ರೈಲು ಮೂಲಸೌಲಭ್ಯಅಭಿವೃದ್ಧಿ ಕಂಪನಿ (ಕರ್ನಾಟಕ) ನಿಯಮಿತ

रेल इन्फ्रास्ट्रक्चर डेवलपमेंटकंपनी (कर्नाटक) लिमिटेड

Rail Infrastructure Development Company (Karnataka) Limited

BID DOCUMENT

For

IMPLEMENTATION OF ERP-SAP/S-4 HANA SOLUTION

Date :20.05.2021

RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED

Samparka Soudha, 1st Floor,

Dr. Rajkumar Road,

Opposite Orion Mall,

Rajajinagar 1st Block, Bengaluru-560010

Tel +91-9535688982,

Email: gmfinace@kride.in

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K RIDE

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B I D D I N G D O C U M E N T S

(through e-Tendering Mode)

For

IMPLEMENTATION OF ERP-SAP/S-4 HANA SOLUTION.

IFB No: K RIDE/BSRP/05/2021 Date 20.05.2021

Employer: K RIDE (Rail Infrastructure Development Company (Karnataka) Limited)

#8, 1st Floor, Samparka Soudha,

Dr. Rajkumar Road, Opposite Orion Mall

Rajajinagar 1st Block,

BENGALURU

Tel – 91-9535688982
E Mail – gmfinance@kride.in

K RIDE

NOTICE

FOR

INVITATION FOR BIDS

(IFB)

KRIDE

Rail Infrastructure Development Company (Karnataka) Limited

INVITATION FOR BIDS

(Through e-tendering mode)

Bid Notice No. ***K RIDE/BSRP/05/2021*** ***Date: 20.05.2021***

(KRIDE) RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED, having its Corporate office, at #8, 1st Floor, Samparka Soudha, Dr. Rajkumar Road, Opposite Orion Mall, Rajajinagar 1st Block, Bengaluru-560010, India which is a Joint Venture of Government of Karnataka and Ministry of Railways, invites bids under single stage single packet system for the following contract package - **Implementation of ERP-SAP/S-4 HANA Solution (HR – Human Resources Management including Payroll, FICO – Financial & Accounting Module, PS - Project Systems & MM - Materials Management).**

CONTRACT PACKAGE IS AS UNDER

Sl. No.	Name of work	Bid Security	Period of Completion
I	Implementation of ERP-SAP/S-4 HANA Solution a) Human Resources Management including Payroll (HR) b) Financial & Accounting Module (FICO) c) Project Systems (PS) d) Materials Management (MM)	**Need not be paid. Bid Security Declaration as per form BDF-1 has to be submitted**	**12 months**

NOTE :

1. Bidders are advised to note the eligibility and minimum qualifying criteria specified in the Instruction to Bidders and Section 3 "Evaluation and Qualification Criteria" of the bid document.

2. Bids must be accompanied by a bid security Declaration form as per Form (BDF/1) in Section 4 in any one of the forms as specified in the bidding documents and shall have to be valid for 42 days beyond the validity of the bid. Any bids received without bid security Declaration from in the stipulated format, shall be summarily rejected.

3. Non-filling of all the entries in requisite Bid forms / incomplete Bid submission will be considered non-responsive and such bids shall not be considered for further evaluation.

4. Bidding Documents can be downloaded free of cost from K RIDE e-tendering portal i.e., https://eproc.karnataka.gov.in from 20*/05/2021* and the bids can be submitted.

   It will be the responsibility of the Bidder who is submitting the bid on downloaded bidding documents to check and see any Addendum/Corrigendum issued in this regard from the website from time to time and ensure submission of bid along with all Addendum/Corrigendum.

   In case of any clarification the tenderer can visit the Rail Infrastructure Development Company (Karnataka) limited Corporate Office Bengaluru at #8, 1st Floor, Samparka Soudha, Dr. Rajkumar Road, Opposite Orion Mall, Rajajinagar 1st Block, Bengaluru-560010.

5. **Special Provisions for Micro and Small Enterprises (MSMEs):** MSMEs registered with District Industries Centers/ Khadi and Village Industries Commission/ Khadi and Village Industries Board/Coir Board/ National Small Industries Corporation/ Directorate of Handicraft and Handloom/ 'Udyog Aadhaar' – The Online Portal of MSME/ Any other body specified by Ministry of MSME are exempted from the payment of Bid document fee and proposal security for this tender.

6. **Purchase Preference to Make in India**: The provisions of revised 'Public Procurement (Preference to Make in India) Order 2017' issued by Department of Industrial Policy and Promotion under Ministry of Commerce and Industry vide letter no. P-45021/2/2017-PP (BE-II) dated 28.05.2018 shall be applicable to the bidding process and award of the contract shall be done accordingly. In this connection, the minimum local content shall be 50% and the margin of purchase preference shall

be 20%. For award of contract, para 3.c. of the revised 'Public Procurement (Preference to Make in India) Order 2017' shall be applicable in addition to the other provisions in the bidding documents in this regard.

7. REGISTRATION -

a. Bidders are required to enroll on the e-tendering Portal (https://eproc.karnataka.gov.in) with clicking on the link "Bidders Registration" on the e-bid Portal by paying Registration fee of Rs. 500/-

b. As part of the enrolment process, the bidders will be required to choose a unique user name and assign a password for their accounts

c. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication with the bidder.

d. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Only Class III Certificates with signing + encryption key usage) issued by any Certifying Authority recognized by CCA India with their profile.

e. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC"s to others which may lead to misuse.

f. Bidders then logs in to the site through the secured log-in by entering their user ID/password and the password of the DSC / e-Token.

g. The scanned copies of all original documents should be uploaded on portal.

h. For any query regarding e-procurement contact helpdesk number

91-8046010000 +91-8068948777, support@eprochelpdesk.com

8. SEARCHING FOR PROPOSAL DOCUMENTS

Once the bidders have selected the proposals they are interested in, the bidders can pay nonrefundable processing fee as per the e-procurement portal

9. PRCAUTIONS FOR SUBMITTING / PREPRATION OF PROPOSALS THROUGH E TENDERING PORTAL

a. Bidder, in advance, should get ready the proposal documents to be submitted as indicated in the proposal document / schedule and generally, they can be in PDF /JPEG formats.

b. Bidder should log into the website well in advance for the submission of the proposal so that it gets uploaded well in time i.e., on or before the proposal submission time. Bidder will be responsible for any delay due to other issues.

c. The bidder has to digitally sign and upload the required proposal documents one by one as indicated in the bidding document.

d. The server time (which is displayed on the consultant's dashboard) will be considered as the standard time for referencing the deadlines for submission of the proposals by the consultants, opening of proposals etc. The consultants should follow this time during proposal submission

10. **Last Date of Receipt and opening of Bids:**

The completed Bids must be submitted through e-Tendering Portal https://eproc.karnataka.gov.in not later than 15.00 hrs on 21/06/2021 and shall be opened on 22/06/2021 at 15.30 hrs. K RIDE will not be responsible for any delays in the receipt of Bid by K-RIDE. Late bids (received after stipulated date and time of submission of bids) shall not be accepted under any circumstances. K-RIDE reserves the right to accept/reject any or all proposals without assigning any reason thereof.

11. Any suit or application, arising out of any dispute or differences on account of this bid shall be filed in a competent court at Bengaluru, Karnataka only and no other court or any other district of the country shall have any jurisdiction in the matter.

12. **Address for Communication:** Interested eligible Bidders may obtain further information from the following address:

General Manager (Finance),
Rail Infrastructure Development Company (Karnataka) Limited,
#8, 1st Floor, Samparka Soudha, Dr. Rajkumar Road, Opposite Orion Mall
Rajajinagar 1st Block, Bengaluru-560010
Tel +9535688982
E-mail: gmfinance@kride.in

K RIDE

Annexure - I

No. P-45021/2/2017-PP (BE-II)
Government of India
Ministry of Commerce and Industry
Department of Industrial Policy and Promotion
(Public Procurement Section)

Dated 28th May, 2018
Udyog Bhawan, New Delhi

To
All Central Ministries/Departments/CPSUs/All concerned

ORDER

Subject: Public Procurement (Preference to Make in India), Order 2017 – Revision; regarding.

Department of Industrial Policy and Promotion, in partial modification of Order No.P-45021/2/2017-B.E.-II dated 15.6.2017, hereby issues the revised 'Public Procurement (Preference to Make in India), Order 2017" with immediate effect:-

Whereas it is the policy of the Government of India to encourage 'Make in India' and promote manufacturing and production of goods and services in India with a view to enhancing income and employment, and

Whereas procurement by the Government is substantial in amount and can contribute towards this policy objective, and

Whereas local content can be increased through partnerships, cooperation with local companies, establishing production units in India or Joint Ventures (JV) with Indian suppliers, increasing the participation of local employees in services and training them,

Now therefore the following Order is issued :

1. This Order is issued pursuant to Rule 153 (iii) of the General Financial Rules 2017.

2. **Definitions**: For the purposes of this Order:

'*Local content*' means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

'*Local supplier*' means a supplier or service provider whose product or service offered for procurement meets the minimum local content as prescribed under this Order or by the competent Ministries / Departments in pursuance of this order.

'*L1*' means the lowest tender or lowest bid or the lowest quotation received in a tender, bidding process or other procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.

'*margin of purchase preference*' means the maximum extent to which the price quoted by a local supplier may be above the L1 for the purpose of purchase preference.

....Contd. p/2

'Nodal Ministry' means the Ministry or Department identified pursuant to this order in respect of a particular item of goods or services or works.

'Procuring entity' means a Ministry or department or attached or subordinate office of, or autonomous body controlled by, the Government of India and includes Government companies as defined in the Companies Act.

'Works' means all works as per Rule 130 of GFR- 2017, and will also include 'turnkey works'.

3. **Requirement of Purchase Preference :** Subject to the provisions of this Order and to any specific instructions issued by the Nodal Ministry or in pursuance of this Order, purchase preference shall be given to local suppliers in all procurements undertaken by procuring entities in the manner specified hereunder"

a. "In procurement of goods, services or works in respect of which the Nodal Ministry has communicated that there is sufficient local capacity and local competition, and where the estimated value of procurement is Rs. 50 lakhs or less, only local suppliers shall be eligible. If the estimated value of procurement of such goods or services or works is more than Rs. 50 lakhs, the provisions of sub-paragraph b or c, as the case may be, shall apply".

b. "In the procurements of goods or works which are not covered by paragraph 3a and which are divisible in nature, the following procedure shall be followed";

   i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract for full quantity will be awarded to L1.

   ii. If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers, will be invited to match the L1 price for the remaining 50% quantity subject to the local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such local supplier subject to matching the L1 price. In case such lowest eligible local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.

c. "In procurements of goods or works not covered by sub-paragraph 3a and which are not divisible, and in procurement of services where the bid is evaluated on price alone, the following procedure shall be followed":-

   i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract will be awarded to L1.

...Contd. p/3

ii. If L1 is not from a local supplier, the lowest bidder among the local suppliers, will be invited to match the L1 price subject to local suppliers quoted price falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L1 price.

iii. In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.

4. **Exemption of small purchases**: Notwithstanding anything contained in paragraph 3, procurements where the estimated value to be procured is less than Rs. 5 lakhs shall be exempt from this Order. However, it shall be ensured by procuring entities that procurement is not split for the purpose of avoiding the provisions of this Order.

5. **Minimum local content**: The minimum local content shall ordinarily be 50%. The Nodal Ministry may prescribe a higher or lower percentage in respect of any particular item and may also prescribe the manner of calculation of local content.

6. **Margin of Purchase Preference**: The margin of purchase preference shall be 20% .

7. **Requirement for specification in advance**: The minimum local content, the margin of purchase preference and the procedure for preference to Make in India shall be specified in the notice inviting tenders or other form of procurement solicitation and shall not be varied during a particular procurement transaction.

8. **Government E-marketplace**: In respect of procurement through the Government E-marketplace (GeM) shall, as far as possible, specifically mark the items which meet the minimum local content while registering the item for display, and shall, wherever feasible, make provision for automated comparison with purchase preference and without purchase preference and for obtaining consent of the local supplier in those cases where purchase preference is to be exercised.

9. **Verification of local content**:

   a. The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.

   b. In cases of procurement for a value in excess of Rs. 10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

   c. Decisions on complaints relating to implementation of this Order shall be taken by the competent authority which is empowered to look into procurement-related complaints relating to the procuring entity.

Contd. p/4

d. Nodal Ministries may constitute committees with internal and external experts for independent verification of self-declarations and auditor's/ accountant's certificates on random basis and in the case of complaints.

e. Nodal Ministries and procuring entities may prescribe fees for such complaints.

f. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

g. A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, in the manner prescribed under paragraph 9h below.

h. The Department of Expenditure shall issue suitable instructions for the effective and smooth operation of this process, so that:

   i. The fact and duration of debarment for violation of this Order by any procuring entity are promptly brought to the notice of the Member-Convenor of the Standing Committee and the Department of Expenditure through the concerned Ministry /Department or in some other manner;

   ii. on a periodical basis such cases are consolidated and a centralized list or decentralized lists of such suppliers with the period of debarment is maintained and displayed on website(s);

   iii. in respect of procuring entities other than the one which has carried out the debarment, the debarment takes effect prospectively from the date of uploading on the website(s) in the such a manner that ongoing procurements are not disrupted.

10. **Specifications in Tenders and other procurement solicitations:**

a. Every procuring entity shall ensure that the eligibility conditions in respect of previous experience fixed in any tender or solicitation do not require proof of supply in other countries or proof of exports.

b. Procuring entities shall endeavour to see that eligibility conditions, including on matters like turnover, production capability and financial strength do not result in unreasonable exclusion of local suppliers who would otherwise be eligible, beyond what is essential for ensuring quality or creditworthiness of the supplier.

c. Procuring entities shall, within 2 months of the issue of this Order review all existing eligibility norms and conditions with reference to sub-paragraphs 'a' and 'b' above.

d. If a Nodal Ministry is satisfied that Indian suppliers of an item are not allowed to participate and/ or compete in procurement by any foreign government, it may, if it deems appropriate, restrict or exclude bidders from that country from eligibility for procurement of that item and/ or other items relating to that Nodal Ministry. A copy of every instruction or decision taken in this regard shall be sent to the Chairman of the Standing Committee.

....Contd. p/5

e. For the purpose of sub-paragraph 10 c above, a supplier or bidder shall be considered to be from a country if (i) the entity is incorporated in that country, or ii) a majority of its shareholding or effective control of the entity is exercised from that country, or (iii) more that 50% of the value of the item being supplied has been added in that country. Indian suppliers shall mean those entities which meet any of these tests with respect to India."

11. **Assessment of supply base by Nodal Ministries:** The Nodal Ministry shall keep in view the domestic manufacturing / supply base and assess the available capacity and the extent of local competition while identifying items and prescribing minimum local content or the manner of its calculation, with a view to avoiding cost increase from the operation of this Order.

12. **Increase in minimum local content:** The Nodal Ministry may annually review the local content requirements with a view to increasing them, subject to availability of sufficient local competition with adequate quality.

13. **Manufacture under license/ technology collaboration agreements with phased indigenization:** While notifying the minimum local content Nodal Ministries may make special provisions for exempting suppliers from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement / transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content.

14. **Powers to grant exemption and to reduce minimum local content:** Ministries /Departments of Government of India and the Boards of Directors of Government companies or autonomous bodies may, by written order,

    a. reduce the minimum local content below the prescribed level;

    b. reduce the margin of purchase preference below 20%;

    c. exempt any particular item or procuring or supplying entities or class or classes of items or procuring or supplying entities from the operation of this Order or any part of the Order.

    A copy of every such order shall be marked to the Member-Convenor of the Standing Committee constituted under this Order.

15. **Directions to Government companies:** In respect of Government companies and other procuring entities not governed by the General Financial Rules, the administrative Ministry or Department shall issue policy directions requiring compliance with this Order.

16. **Standing Committee:** A standing committee is hereby constituted with the following membership

    Secretary, Department of Industrial Policy and Promotion—Chairman
    Secretary, Commerce—Member
    Secretary, Ministry of Electronics and Information Technology—Member
    Joint Secretary (Public Procurement), Department of Expenditure—Member
    Joint Secretary (DIPP)—Member-Convenor

....Contd. p/6

The Secretary of the Department concerned with a particular item shall be a member in respect of issues relating to such item. The Chairman of the Committee may co-opt technical experts as relevant to any issue or class of issues under its consideration.

17. **Functions of the Standing Committee.** The Standing Committee shall meet as often as necessary but not less than once in six months. The Committee

    a. shall oversee the implementation of this order and issues arising therefrom, and make recommendations to Nodal Ministries and procuring entities

    b. shall annually assess and periodically monitor compliance with this Order

    c. shall identify Nodal Ministries and the allocation of items among them for issue of notifications on minimum local content

    d. may require furnishing of details or returns regarding compliance with this Order and related matters

    e. may, during the annual review or otherwise, assess issues, if any, where it is felt that the manner of implementation of the order results in any restrictive practices, cartelization or increase in public expenditure and suggest remedial measures

    f. may examine cases covered by paragraph 13 above relating to manufacture under licensed technology transfer agreements with a view to satisfying itself that adequate mechanisms exist for enforcement of such agreements and for attaining the underlying objective of progressive indigenization

    g. may consider any other issue relating to this Order which may arise.

18. **Removal of difficulties:** Ministries /Departments and the Boards of Directors of Government companies may issue such clarifications and instructions as may be necessary for the removal of any difficulties arising in the implementation of this Order.

19. **Ministries having existing policies:** Where any Ministry or Department has its own policy for preference to local content approved by the Cabinet after 1st January 2015, such policies will prevail over the provisions of this Order. All other existing orders on preference to local content shall be reviewed by the Nodal Ministries and revised as needed to conform to this Order, within two months of the issue of this Order.

20. **Transitional provision:** This Order shall not apply to any tender or procurement for which notice inviting tender or other form of procurement solicitation has been issued before the issue of this Order.

(B. S. Nayak)
Under Secretary to Government of India
Ph. 23061257

PART I	Bidding Procedure

ರೈಲು ಮೂಲಸೌಲಭ್ಯಅಭಿವೃದ್ಧಿ ಕಂಪನಿ (ಕರ್ನಾಟಕ) ನಿಯಮಿತ
रेल इन्फ्रास्ट्रक्चर डेवलपमेंट कंपनी (कर्नाटक) लिमिटेड
Rail Infrastructure Development Company (Karnataka) Limited
(A Joint Venture of Govt. of Karnataka & Ministry of Railways)

#8, 1st Floor, Samparka Soudha, Dr. Rajkumar Road,
Opposite Orion Mall, Rajajinagar 1st Block, Bengaluru-560010
Tele – 9535688982, web : www.kride.in, https://eproc.karnataka.gov.in

Technical Proposal

for

"IMPLEMENTATION OF ERP-SAP/S-4 HANA SOLUTION"

(SINGLE PACKAGE)

Section 1	Instructions to Bidders (ITB)

Section 1 Instructions to Bidders (ITB)

ITB Clause No Section 1	Reason for Summary Rejection
4.4	Non-submission of Affidavit
4.5	Non-submission of immediate information to the Employer in case the Bidder ceases to fulfil eligibility in terms of ITB Clause 4.3 & 4.4
14.9	Non-submission of the Letter of Price Bid (LPB) and/or Summary sheet of BOQ duly seal and signed
16.4	Non-submission of the Letter of Technical Bid (LTB) duly seal and signed
19.1	Bid not accompanied Bid security declaration form (BDF-1) given in Section 4 duly sealed and signed

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Note:

The Bidders are advised to note the above reasons and take care of the same to avoid rejection of their bids.

Important Note:

With regard to the procedure for submission of bids, please refer to ITB Clause 21

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A. GENERAL PROVISIONS

Instructions to Bidders

1. Scope of Bid

1.1 In connection with the Invitation for Bids indicated in the Bid Data Sheet (BDS), Rail Infrastructure Development Company (Karnataka) Limited (K RIDE), a Joint Venture of Govt. of Karnataka & Ministry of Railways, hereinafter referred to as the 'Employer', issues these Bidding Documents for the Procurement of Works as specified in Section 5: Terms of Reference. The name, identification, number of contract(s) are provided in the BDS.

1.2 Throughout these Bidding Documents:

(a) the term "in writing" means communicated in written form and delivered against receipt;

(b) except where the context requires otherwise, words indicating the singular also include the plural and words indicating the plural also include the singular; and

(c) "day" means calendar day.

(d) "Agent" means is a person employed to do any act for another, or to represent another in dealings with third person.

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2. Source of Funds

2.1 The required funds have been sourced by K RIDE, unless otherwise specified in the BDS.

3. Corrupt Practices

3.1 The Employer requires that consultants, suppliers, and contractors observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Employer:

(a) defines, for the purposes of this provision, the terms set forth below as follows:

(i) "corrupt practice" means offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of any party in the procurement process or the execution of a contract;

(ii) "fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;

(iii) "collusive practice" means a scheme or arrangement between two or more bidders, with or without the knowledge of the Employer, designed to influence the action of any party in a procurement process or the execution of a contract;

(iv) "coercive practice" means harming or threatening to harm, directly or indirectly, persons, or their property to influence their participation in a procurement process, or affect the execution of a contract;

(b) will reject a Bid for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract; and

(c) will sanction a party or its successor, including declaring ineligible, either indefinitely or for a stated period of time, to participate in Employer's activities, if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for, or in executing a contract of the employer.

4. Eligible Bidders

4.1 A Bidder means any person or firm or company, including any member of a consortium or joint venture (that is an association of several person, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders started hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process. The bidder must ensure the following:

(a) In case of Single Entity:

(i) Submit Power of Attorney authorizing the signatory of the bid to commit the bidder.

(b) In case of Joint Venture/ Consortium:

(i) The number of partners in the JV/ Consortium shall not be more than that indicated in the Bid Data Sheet (BDS);

(ii) Submit MOU, as per the form given in Section 4.

(iii) The JV/ Consortium shall nominate a Representative (Lead Partner) through Power of Attorney (Form given in Section 4) who shall have the authority to conduct all business for and on behalf of any and all the parties of the JV/ Consortium during the bidding process and, in the event the JV/ Consortium is awarded the Contract, during contract execution.

(iv) Submit Power of Attorney by individual partners to lead partner as per the form given in Section 4.

(v) In case a Joint Venture/ Consortium is the successful bidder, the Joint Venture/ Consortium Agreement should be entered by the Joint Venture/ Consortium partners. The duly signed Joint Venture/ Consortium Agreement should be submitted along with the Performance Security to the employer after notification of the award of contract within 28 days.

(vi) The lead member as aforesaid shall be authorized to incur liabilities and receive instructions for and on behalf of any and all the partners of the Joint venture/Consortium and the entire execution of the contract.

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(vii) All members of the Joint venture/Consortium shall be Jointly and severally responsible for the execution of the Contract.

(viii) Change in constitution or percentage participation of JV/Consortium shall not be permitted at any stage after submission of bids.

(c) Only firms that are registered or incorporated in India are eligible to compete. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority.

(d) "Bidder from a country which share a land border with India" for the purpose of this Order means: -

1. An entity incorporated, established or registered in such a country; or
2. A subsidiary of an entity incorporated, established or registered in such a country; or
3. An entity substantially controlled through entities incorporated, established or registered in such a country; or
4. An entity whose beneficial owner is situated in such a country; or
5. An Indian (or other) agent of such an entity; or
6. A natural person who is a citizen of such a country; or
7. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

(e) The beneficial owner for the purpose of above clause will be as under:

(i) In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

Explanation:-

a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five percent of share or capital or profits of the company;

b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue their shareholding or management rights or shareholders agreements or voting agreements;

(ii) In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;

(iii) In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profit of such association or body of individuals;

(iv) Where no natural person is identified under (i) or (ii) or (iii) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;

(v) In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

The Bidder shall submit a Certificate stating that they have read the above clause using the appropriate Performa given in Section 4.

4.2 Bidders having a conflict of interest shall be disqualified. The conflict of interest is detailed below

4.3 A Bidder or any of its constituents shall not have conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to be in a conflict of interest with one or more parties in this bidding process, if, including but not limited to:

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(a) they have controlling shareholders in common; or

(b) they receive or have received any direct or indirect subsidy from any of them; or

(c) they have the same legal representative for purposes of this bid; or

(d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or

(e) any firm, either individually or in Joint Venture (JV)/ Consortium, submits more than one offer irrespective of whether the firm is quoting against this bid. The bids submitted by two different bidders, having any common participant in JV/ Consortium formation or any common partner in partnership firms, or an individual will be treated as having conflict of interest or

(f) a Bidder participated as a consultant in the preparation of the design or specifications of the contract that is the subject of the Bid; or

(g) a Bidder was affiliated for any period(s) during last two years before the date of issue of Invitation for Bids with a firm or entity that has been hired (or is proposed to be hired) by the Employer as Engineer for the contract.

4.3.1 Conflict of Interest:

K RIDE requires that Consultants provide professional, objective and impartial advice and at all times hold the Client's interests paramount, avoid conflicts with other assignments or their own corporate interests and act without any consideration for future work. Consultants shall not be recruited for any assignment that would be in conflict with their prior or current obligations to other clients, or that may place them in a position of not being able to carry out the assignment in the best interest of the Client. Without limitation on the generality of the foregoing, Consultants, and any of their associates shall be considered to have a conflict of interest and shall not be recruited under any of the circumstances set forth below:

i) If a consultant combines the function of consulting with those of contracting and/or supply of equipment and/or supply of services other than consulting; or

ii) If a consultant is associated with or affiliated to a contractor or manufacturer for this project; or

iii) If a Consultant is owned by a contractor or a manufacturing firm with departments or design offices offering services as Consultants. The Consultant should include relevant information on such relationships along with a statement in the Proposal cover letter to the effect that the Consultant will limit its role to that of a Consultant and disqualify itself and its associates from work, in any other capacity or any future project within the next five years, that may emerge from this assignment (including bidding for any part of the future project). The Consultant selected to undertake this assignment will give an appropriate undertaking to such effect, while signing the agreement; or

iv) If there is a conflict among consulting assignments, the Consultant (including its personnel and sub-consultants) and any subsidiaries or entities controlled by such consultant shall not be recruited for the relevant assignment.

4.3.2 If a Bidder submits or participates in more than one Proposal, such a Bidder shall be disqualified.

4.3.3 Proposal Validity

4.3.3.1 The Data Sheet indicates how long the Consultants' Proposals must remain valid after the submission date.

4..3.3.2 The Employer will make its best effort to finalise the Contract within this period. In exceptional circumstances, the Employer may request Consultants to extend the validity period of their Proposals. The request and the responses shall be made in writing. In case Bidder extends validity of their proposal, the bid security as furnished in accordance with ITB Clause 19, shall also be extended

upto the date mentioned in the letter of request for extension. Consultants have the right to refuse to extend the validity period of their Proposals.

4.3.3.3 **Participation of Government Employees:**

The Government employees are not permitted to undertake any assignment without the approval of the Government as per extant Government rules. In addition to this, no close relatives of K RIDE staff should be proposed for participation in the assignment.

4.4 **The bidder shall be disqualified if**:

(a) The bidder or any of its constituents and/or sub-consultant included in the bid have been blacklisted/ banned business dealings for all Government Departments or by Ministry of Railways or by K RIDE at any time till finalization of bids, except in cases where such blacklisting/ banning has been withdrawn by Competent Authority or has ceased on the deadline for submission of the bids, for which satisfactory evidence is to be produced.

(b) Any previous contract of the bidder or any of its constituents had been terminated for bidder's failure or part terminated for its failure as a JV/ Consortium partner with forfeiture of its full Performance Security, by Rail Infrastructure Development Company (Karnataka) Ltd.(K-RIDE)/ Government of India and its PSUs/ Government of Karnataka and its PSUs at any time starting from 3 years before the deadline for submission of bids and upto one day before the date of opening of price bids;

Provided, however, there is no stay order or declaration by any Court against such termination of the Contract by Rail Infrastructure Development Company (Karnataka) Ltd/)/ Government of India and its PSUs/ Government of Karnataka and its PSUs. or such termination of the Contract has not been revoked by Rail Infrastructure Development Company (Karnataka) Ltd)/ Government of India and its PSUs/ Government of Karnataka and its PSUs or competent authority of K-RIDE)/ Government of India and its PSUs/ Government of Karnataka and its PSUs has not passed an order of non-applicability of disqualification of the bidder or any of its constituents despite such termination.

(c) The bidder or any of its constituents has been imposed delay damages of 5% or more of contract value by K-RIDE due to delay in the implementation of any previous contract within the period of last 2 years before the deadline for submission of bids (Period of 2 years shall be reckoned from the date on which the total accrued amount of Delay Damages has reached 5% or more of the contract price) or such accrued delay damages has not been fully recovered before the deadline for submission of bids on account of contractor's request for deferring recovery to maintain cash flow and K RIDE has acceded to the same in the interest of the project or the work under

the previous contract in question has not been completed before the deadline for submission of bids, unless imposition of such delay damages has been set aside by the Competent Authority.

(d) The bidder or any of its constituents:

(i) has suffered bankruptcy/insolvency or

(ii) is in the process of winding-up or

(iii) has any ongoing case of insolvency before the NCLT/any Court where Interim Resolution Professional (IRP) has been appointed or is at any later stage of the insolvency process

On the deadline of submission of bids or thereafter till finalization of bids.

(e) The bidder is found ineligible by the Employer, in accordance with ITB-3.

(f) The bidder or its constituent(s) has been declared by K-RIDE/ Government of India and its PSUs/ Government of Karnataka and its PSUs to be a poor performer and the period of poor performance is still in force on the deadline for submission of bids.

OR

The bidder or its constituent(s) has been declared by K-RIDE/ Government of India and its PSUs/ Government of Karnataka and its PSUs to be a poor performer at any time after the deadline for submission of bids and upto one day before the date of opening of price bids.

(g) The bidder or any of its constituents has changed its name or created a new business entity as covered by the definition of “Allied Firm” under para 1102 (iii) of Chapter XI of Vigilance Manual of Indian Railways (available on website of Indian Railways), consequent to having been banned business dealings or suspended business dealings or having been declared poor performer.

The Bidder shall submit an affidavit stating that they are not liable to be disqualified as per this sub clause using the appropriate Performa given in Section 4. Non-submission of an affidavit by the bidder shall result in summary rejection of his bid.

4.5 Consultants shall immediately inform the Employer in case they cease to fulfill eligibility in terms of ITB Clause 4.3 & Clause 4.4. In case the bidder fails to inform the Employer or submits a false affidavit, his bid shall be summarily rejected and bid security shall be forfeited. The bidder shall also be liable for Banning of Business dealings for a period up to five years.

5 Eligible Materials, Equipment and Services

5.1 The materials, equipment and services to be supplied under the Contract shall be from the approved sources as specified in Section 5: Terms of Reference.

B. Contents of Bidding Document

6 Sections of Bidding Document:

6.1 The Bidding Document consists of Parts I, II and III, which includes all the Sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITB 8.

PART I: Bidding Procedures

Section 1: Instructions to Bidders (ITB) for submission of bids through e procurement

Section 2: Bid Data Sheet (BDS)

Section 3: Evaluation and Qualification Criteria (EQC)

Section 4: Bidding Forms (BDF)

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PART II: Terms of Reference

Section 5: Terms of Reference (TOR)

PART III: Conditions of Contract and Contract Forms

Section 6: General Conditions of Contract (GCC)

Section 7: Special Conditions of Contract

Part A: Particular Conditions of Contract Data (PCC)

Part B: Specific Conditions of Contract (SCC)

Section 8: Contract Forms (COF) – Annexes to SCC

Section 9: Bill of Quantities (BOQ)

6.2 The Invitation for Bids (IFB) issued by the Employer is not part of the Bidding Document.

6.3 The Employer is not responsible for the completeness of the Bidding Document and their Addenda, if they were not obtained directly from the source stated by the Employer in the Invitation for Bids.

6.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Document. Failure to furnish all information or documentation required by the Bidding Document may result in the rejection of the bid.

7. Clarification of Bidding Document, Site Visit, Pre-Bid Meeting

7.1 A prospective Bidder requiring any clarification of the Bidding Document shall contact the Employer in writing at the Employer's address indicated in the BDS or raise his inquiries during the pre-bid meeting if provided for in accordance with ITB Clause 7.4. The Employer will respond in writing to any request for clarification, provided that such request is received no later than ten (10) days prior to the deadline for submission of bids. The Employer shall forward copies of its response to all Bidders who have acquired the Bidding Document in accordance with ITB Clause 6.3, including a description of the inquiry but without identifying its source. Should the Employer deem it necessary to amend the Bidding Document as a result of a request for clarification, it shall do so following the procedure under ITB Clause 8 and ITB Clause 22.2.

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7.2 The Bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. The costs of visiting the site shall be at the Bidder's own expense.

7.3 The Bidder and any of its personnel or agents will be granted permission by the Employer to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the Bidder, its personnel, and agents will release and indemnify the Employer and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.

7.4 The Bidder's designated representative is invited to attend a pre-bid meeting, if provided for in the BDS, either in person or through video conferencing. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.

7.5 The Bidder is requested, as far as possible, to submit any questions in writing, to reach the Employer not later than one week before the meeting.

7.6 Minutes of the pre-bid meeting, including the text of the questions raised, without identifying the source, and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Bidders who have acquired the Bidding Document in accordance with ITB subclause 6.3. Any modification to the Bidding Document that may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an addendum pursuant to ITB clause 8 and not through the minutes of the pre-bid meeting.

7.7 Non-attendance at the pre-bid meeting will not be a cause for disqualification of a Bidder.

8. Amendment of Bidding Document

8.1 At any time prior to the deadline for submission of bids, the Employer may amend the Bidding Document by issuing addenda.

8.2 Any addendum issued shall be part of the Bidding Document and shall be made available on the website (https://eproc.karnataka.gov.in)

8.3 Provisions in addenda shall take priority over the Bid Documents issued previously. Bidders should acknowledge receipt of such addenda and list them in the bid submittal.

8.4 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer may, at its discretion, extend the deadline for the submission of bids, pursuant to ITB Clause 22.2

C. Preparation of Bids

9. Cost of Bidding

9.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Employer shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

10. Language of Bid

10.1 The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Employer, shall be written in English. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in English in which case, for purposes of interpretation of the Bid, such translation shall govern.

11. Documents Comprising the Bid

11.1 The Bid shall comprise of Bid Security/Bid Security Declaration which ever applicable, Technical Bid and Price Bid. The Bidder shall submit the bid through e procurement portal.

11.2 On the stipulated date of opening of bids, initially, only the Technical Bids are opened through e procurement portal of K RIDE. The Technical Bids shall be evaluated by the Employer in accordance with the stipulated Qualification and Evaluation criteria. No amendments or changes to the Technical Bids would be permitted after the opening of technical bids.. Bids with Technical Bids which do not conform to the specified requirements will be rejected as deficient Bids.

11.3 Price Bids of technically compliant Bids shall be opened through e procurement portal of K RIDE. Bidders who are declared qualified in the technical bid evaluation their price bid shall be opened at a date and time advised by the Employer. The Price Bids are evaluated and the Contract is awarded to the Bidder whose Bid has been determined to be substantially responsive Bid as set out in Section 3

11.4 The Technical Bid shall contain the following :

i. Scanned copy of Letter of Technical Bid in accordance with ITB Clause 16;

ii. Scanned copy of Bid Security/Bid Security Declaration form (Section 4), in accordance with ITB Clause 19;

iii. Scanned copy of alternative Technical Bid, if permissible, in accordance with ITB Clause 13;

iv. Scanned copy of written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB Clause 20.2;

v. Scanned copy of documentary evidence in accordance with ITB Clause 17 establishing the Bidder's qualifications to perform the contract;

vi. Scanned copy of any other document required in the BDS.

11.5 The Price Bid shall contain the following:

(a) Scanned copy of Letter of Price Bid and

(b) Filled/completed schedules as required including Bill of Quantities (list all costs associated with the assignment;

(c) Online alternative Price Bid corresponding to the alternative Technical Bid, if permissible, in accordance with ITB Clause 13; and

(d) any other document required in the BDS.

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12. Bid Letters and Price Schedules

12.1 The Bidder shall submit the Technical Bid and the Price Bid online through e procurement portal using the appropriate formats furnished in Section 4: Bidding Forms. These Forms must be completed without any alterations to their format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.

12.2 The Bidder shall submit, as part of the Price Bid, the Schedules, including the Bill of Quantities through e-procurement portal only.

13. Alternative Bids

13.1 Unless otherwise indicated in the BDS, alternative bids shall not be considered.

13.2 When alternative periods for completion are explicitly invited, a statement to that effect will be included in the BDS, as will the method of evaluating different periods for completion.

14. Bid Prices and Discounts

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14.1 The prices quoted by the Bidder in the Letter of Price Bid (LPB) and in the Bill of Quantities shall conform to the requirements specified below.

14.2 The Bidder shall quote lumpsum rates in figures and words as per format in the Bill of Quantities (BOQ)**.**

14.3 The price to be quoted in the Letter of Price Bid, in accordance with ITB Clause 12.1, shall be the total price of the Bid.

14.4 The Bidder shall quote any unconditional discounts and the methodology for their application (the discounts, and the methodology of their application, should be quoted on prices quoted in the bid) so that the discounts can be evaluated by simple arithmetic calculation during financial evaluation of the bids, to arrive at the net total price of the bid. If the net total price cannot be calculated after application of the methodology of the discount(s) quoted, the bid shall be considered as incomplete and will be rejected) in the Letter of Price Bid, in accordance with ITB 12.1. However, any conditional discount if any offered for award of contract has to be quoted separately.

The Bidder can modify its bid and resubmit it any number of times through e procurement portal before the deadline for submission of bids. Any other correspondence in connection with the bid is not permissible and shall not be considered in bid evaluation.

14.5 Unless otherwise provided in the BDS and the Contract, the rates and prices quoted by the Bidder are subject to adjustment during the performance of the Contract in accordance with the provisions of the Conditions of Contract. In such a case, the indices and weightings for the price adjustment formulae shall be as specified in the Tables of Adjustment Data included in Contract Data.

14.6 If so, indicated in ITB 1.1, bids are being invited. Bidders wishing to offer any price reduction for the award of Contract shall specify in their bid the price reductions. Price reductions or discounts shall be submitted in accordance with ITB 14.4, provided the bid for the contract is submitted and opened at the same time.

14.7 The price shall include cost of all key personnel, remuneration, support staff, office expenses, travel, accommodation, printing and stationery, over heads and any other costs incidental towards the Contract. All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause (including standard specifications), including for the Good and Services Tax applicable on the services provided by the Consultant, as on the date 28 days prior to the deadline for submission of bids, shall be included in the rates and prices and the total Bid Price submitted by the Bidder.

14.8 Bidders should note that during the progress of the works, the foreign currency requirements of the outstanding balance of the Contract Price may be adjusted by agreement between the Employer and the Contractor in order to reflect any changes in foreign currency requirements for the Contract, in accordance with Sub-Clause 14.15 of the General Conditions of Contract. Any such adjustment shall be effected by comparing the percentages quoted in the bid with the amounts already used in the Works and the Contractor's future needs for imported items.

14.9 Bidder should note that non-submission of the Letter of Price Bid (LPB) and BOQ by the Bidder shall result in summary rejection of his bid.

15. Currencies of Bid and Payment

15.1 The bidder shall quote the unit rates and the prices entirely in the Indian Rupees.

16. Documents Comprising the Bid

16.1 The Bidder shall furnish a commitment in Letter of Technical Bid (LTB) for deployment of equipment and personnel as stipulated in Section 3: Evaluation and Qualification Criteria and Section 5: Work’s Requirement.

16.2 Deleted.

16.3 The Bidder shall furnish a commitment in Letter of Technical Bid (LTB) for adhering to mobilization as stipulated in Section 3: Evaluation and Qualification Criteria and Section 5: Terms of Reference.

16.4 Bidder should note that non-submission of the Letter of Technical Bid (LTB) by the bidder shall result in summary rejection of his bid.

17. Documents Establishing the Qualifications of the Bidder

17.1 To establish its qualifications to perform the Contract in accordance with Section 3: Evaluation and Qualification Criteria, the Bidder shall submit as part of its technical Bid the information requested in the corresponding information sheets included in Section 4: Bidding Forms.

17.2 Domestic Bidders, individually or in joint ventures/Consortium, applying for eligibility for domestic preference shall supply all information required to satisfy the criteria for eligibility.

18. Period of Validity of Bids

18.1 Bids shall remain valid for a period of 120 days after the bid submission deadline date prescribed by the employer. A bid valid for a shorter period shall be rejected by the employer as non-responsive.

18.2 In exceptional circumstances, the Employer may request Bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. If a bid security is requested in accordance with ITB 19, it shall also be extended upto the date mentioned in the letter of request for extension. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request shall not be required or permitted to modify its bid.

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19. Bid Security

19.1 Unless otherwise specified in the BDS, the Bidder shall furnish as part of its bid, a bid security in original form and for the said amount of Indian Rupees as specified in the BDS.

19.2 The bid security shall be, at the Bidder's option, in any of the following forms:

(a) A Cashiers or Banker's certified cheque or Bank draft drawn on a Scheduled/Nationalized Bank in India in favour of "Rail Infrastructure Development Company (Karnataka) Ltd" payable at Bangalore;

or

(b) An unconditional bank guarantee using the Form given in Section 4: Bidding Forms. The bank guarantee shall be from a bank having minimum net worth of over INR 500 million from the specified banks as under:

(i) a Scheduled Bank in India, or

(ii) a Foreign Bank having their operations in India, or

(iii) a Foreign Bank which do not have operations in India is required to provide a counter-guarantee by State Bank of India,

The bid security shall be valid upto the date as mentioned in BDS, or upto the date mentioned in the letter of request for extension, if any under ITB 18.2.

19.3 Any bid not accompanied by an enforceable and compliant bid security, as required in accordance with ITB 19.1, shall be summarily rejected by the Employer as non-responsive.

19.4 The bid security of the Bidders who have been determined to be unqualified for opening of their financial bids shall be returned within 3 working days after the opening of financial bids. The Bid Security of unsuccessful bidders shall be returned within 7 working days after issue of LOA to the successful Bidder.

19.5 The bid security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the Contract and furnished the required performance security.

19.6 The bid security may be forfeited:

(a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Letter of Bids, except as provided in ITB Clause 18.2 or

(b) if a Bidder misrepresents or omits the facts in order to influence the procurement process;

(c) if the successful Bidder fails to:

(i) sign the Contract in accordance with ITB Clause 40;

(ii) furnish a performance security in accordance with ITB 41;

(iii) accept the correction of its Bid Price pursuant to ITB 32.2; or

(iv) furnish a domestic preference security if so required.

(d) if the undertaking of the affidavit submitted by the bidder or its constituents in pursuance to ITB clause 4.4 or any of the declarations of Letter of Bid or Letter of Price Bid submitted by the bidder has been found to be false at any stage during the process of bid evaluation.

19.7 The Bid Security of a JV/ Consortium shall be in the name of the JV/ Consortium that submits the bid. If the JV/ Consortium has not been legally constituted at the time of bidding, the Bid Security shall be in the names of all future partners as named in the letter of intent/ of JV/ Consortium mentioned in ITB Clause 4.1.

20. Format and Signing of Bid

20.1 The Bidder shall submit Technical Bid and the Price Bid as described in ITB Clause 11 through e procurement portal of K RIDE

20.1.1 The Bid shall be digitally signed by using class-III digital signature of a person who is dully authorized to sign on behalf of the bidder. This authorization shall consist of a written confirmation as specified in the BDS and shall be attached to the bid. The name and position held by each person signing the authorization must be typed or printed below the signature. If either the Letter of Technical Bid or Letter of Price Bid or Bid-Security Declaration (if applicable) is not signed, the Bid shall be rejected. All pages of the bid, except for un-amended printed literature, shall be signed or initialed by the person signing the bid.

20.1.2 If the Bid is submitted by proprietary firm, it shall be signed by the proprietor above his full name, full name of his firm with his current address.

20.1.3 If the Bid is submitted by a firm in partnership, it shall be signed by a partner holding the power of Attorney for the firm. A certified copy of the Partnership deed and power of attorney shall accompany the bid; Alternatively, it shall be signed by all the partners.

20.1.4 If the Bid is submitted by a limited company or a limited corporation, it shall be signed by a duly authorized person holding the power of attorney for the firm. A certified copy of the power of attorney shall accompany the Bid.

20.1.5 If a Bid is submitted by a Joint venture/Consortium, each firm in the Joint venture/Consortium shall furnish the evidence admissible in law /Power of Attorney to sign the Form of Bid and Lead member as stated in MoU shall sign the bid documents for submission of Bid.

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20.2 Any amendments such as interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the bid.

20.2.1 All witnesses and sureties shall be persons of status and probity and their full names, occupations and addresses shall be written below their signatures.

20.2.2 In case of GPA, it should contain authority given by the Board of Directors that GPA is for the signatory of the bid with full powers. The said GPA should have come into force prior to the date of submission of Bid.

D. Submission and Opening of Bids

21 Submission of Bids

21.1 The Bidder shall submit the Technical bid, Price bid and the Bid Security/Bid Security Declaration through e procurement portal of K-RIDE i.e https://eproc.karnataka.gov.in. The original of the Technical Proposal, which

will contain all Forms of Section 4 except Forms PS-2 and BOQ : Section 9 envisaged in the Bid and all other relevant data specified in the Bid documents.

The Price Bid, to be submitted through e-procurement portal only. This "PRICE BID" will contain only Forms PS-2 of Section 4 & BOQ of Section 9 as envisaged in Bid and all other relevant data specified in this Bid documents. All forms should be typed on Consultants' letter head in the exact format of the Forms**.**

The above forms should be scanned and submitted through e-procurement portal of K-RIDE.

21.2 Deleted

21.3 Deleted

21.4 Deleted.

21.5 Deleted.

21.6 No details about price proposal shall be disclosed directly or indirectly in the technical proposal failing which the bid shall be rejected

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22 Deadline for Submission of Bids

22.1 Bids must be received by the Employer through e-procurement portal i**.e** https://eproc.karnataka.gov.in only, not later than the date and time indicated in the BDS.

22.2 The Employer may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Document in accordance with ITB Clause 8, in which case all rights and obligations of the Employer and Bidders subject to the previous deadline shall thereafter be subject to the deadline as extended.

23 Late Bids

23.1 The e-procurement portal cannot accept any bid once the deadline for the tender submission has lapsed.

24 Withdrawal, Substitution, and Modification of Bids

24.1 A Bidder may withdraw, or modify its bid after it has been submitted through e-procurement portal before the deadline for submission of bid.

24.2 Deleted.

24.3 No bid may be withdrawn, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Letter of Bid or any extension thereof.

25 Bid Opening

25.1 The Employer shall conduct the opening of Technical Bids through' e-procurement portal of K-RIDE i**.e https://eproc.karnataka.gov.in.**

25.2 The Price Bid will remain unopened and will be held in the custody of the employer until the time of opening of the Price Bids. The date and time of the opening of Price Bids will be announced through e-procurement portal

25.3 Deleted

25.4 Deleted

25.5 Deleted

25.6 Deleted

25.7 Deleted

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25.8 At the end of the evaluation of the Technical Bids, the Employer will intimate bidders who have submitted substantially responsive Technical proposals and who have been determined as being qualified for award to attend the opening of the price Proposals. The date and time, of the opening of Price Bids will be advised through email/e-procurement. Bidders shall be given reasonable notice for the opening of Price Bids.

25.9 The Employer will notify Bidders in writing who have been rejected on the grounds of being substantially non-responsive to the requirements of the Bidding Document and who have been determined as being not qualified as a result of evaluation of technical proposal and their Price Bid shall not be opened. The Bid security of the bidders shall be returned as per due process.

25.10 The Employer shall conduct the opening of Price Bids through e-procurement portal of K-RIDE i.e. **https://eproc.karnataka.gov.in** of all Bidders who have submitted substantially responsive Technical Bids and who have been determined qualified as a result of technical evaluation.

The Employer shall conduct the opening of Price Bids through e procurement portal of K-RIDE i.e. **https://eproc.karnataka.gov.in** of all bidders who submitted

substantially responsive Technical Bids and who have been determined qualified as a result of technical evaluation.

E. Evaluation and Comparison of Bids

26 Confidentiality

26.1 Information relating to the examination, evaluation & comparison, pre-qualification of Bids and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process until information on Contract award is communicated to all Bidders.

26.2 Any attempt by a Bidder to influence the Employer in the examination, evaluation & comparison and pre-qualification of the Bids or Contract award decisions may result in the rejection of its Bid.

26.3 Notwithstanding ITB Sub-Clause 26.2, from the time of opening the Bid to the time of Contract award, if any Bidder wishes to contact the Employer on any matter related to the bidding process, it should do so only through e-procurement portal.

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27 Clarification of Bids

27.1 To assist in the examination, evaluation & comparison and pre-qualification of the Bids, the Employer may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder that is not in response to a request by the Employer shall not be considered. The Employer's request for clarification and the response shall be in writing. No change in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of errors discovered by the Employer in the evaluation of the Price Bids, in accordance with ITB Clause 32.

27.2 If a Bidder does not provide clarifications of its bid by the date and time set in the Employer's request for clarification, its bid may be rejected.

28 Deviations, Reservations, and Omissions

28.1 During the evaluation of bids, the following definitions apply:

(a) "Deviation" is a departure from the requirements specified in the Bidding Document;

(b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document; and

(c) "Omission" is the failure to submit part or all of the information or documentation required in the Bidding Document.

29 Determination of Responsiveness

29.1 The Employer's determination of a bid's responsiveness is to be based on the contents of the bid itself, as defined in ITB Clause 11.

29.2 A substantially responsive bid is one that meets the requirements of the Bidding Document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that,

(a) if accepted, would:

(i) affect in any substantial way the scope, quality, or performance of the Works specified in the Contract; or

(ii) limit in any substantial way, inconsistent with the Bidding Document, the Employer's rights or the Bidder's obligations under the proposed Contract; or

(b) if rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive bids.

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29.3 The Employer shall examine the technical aspects of the bid submitted in accordance with ITB 16, Technical Bid, in particular, to confirm that all requirements of Section 3 (Evaluation and Qualification criteria) and Section 5 (Terms of Reference) have been met without any material deviation or reservation.

29.4 The evaluation of the technical bid shall be done in accordance with the Qualification and Evaluation Criteria described in Section -3 –

29.5 If a bid is not substantially responsive to the requirements of the Bidding Document, it shall be rejected by the Employer and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.

30 Nonconformities, Errors, and Omissions

30.1 Provided that a bid is substantially responsive, the Employer may waive any nonconformities in the bid that do not constitute a material deviation, reservation or omission.

30.2 Provided that a bid is substantially responsive, the Employer may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities in the bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the price of the bid. Failure of the Bidder to comply with the request may result in the rejection of its bid.

31 Pre-Qualification of the Bidder

31.1 The Employer shall determine to its satisfaction during the evaluation of Bid whether Bidders are qualified to perform the Contract satisfactorily.

31.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 17, to clarifications in accordance with ITB Clause 27 and the qualification criteria indicated in Section 3: Evaluation and Qualification Criteria. Factors not included in Section 3: Evaluation and Qualification Criteria shall not be used in the evaluation of the Bidder's qualification.

31.3 An affirmative determination of technical bid shall be a prerequisite for the opening and evaluation of a Bidder's Price Bid. A negative determination shall result into the disqualification of the Bid, in which event the Employer shall return the unopened Price Proposal to the Bidder.

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32 Correction of Arithmetical Errors and Omissions in Bid and Evaluation of Bid Price -

32.1 Deleted

32.2 If the Bidder who is being considered for the award of work in accordance with the stipulated evaluation criteria that has submitted the lowest evaluated bid does not accept the correction of errors and omissions, its bid shall be disqualified and its bid security shall be forfeited.

33 Conversion to Single Currency

33.1 For evaluation and comparison purposes the currencies of the bid shall be converted into Indian Rupees as stated in BDS.

34 Purchase Preference

34.1 Unless otherwise specified in the BDS the Purchase Preference shall not apply.

34.2 Unless otherwise specified in the BDS the Domestic Preference shall not apply.

35 **Evaluation of Bids**

35.1 The Employer shall evaluate Price Bids for which the Technical Bids have been determined to be substantially responsive and for the bidder who fufill all the elements of minimum eligibility criteria as stipulated in section 3- Qualification and Evaluation. The Employer shall use the criteria and methodologies listed in Section 3. No other evaluation criteria or methodologies shall be permitted.

35.2 To evaluate the Price Bid, the Employer shall consider the following:

(a) the bid price;

(b) price adjustment for correction of arithmetic errors and omissions in the price bid in accordance with ITB 32.2;

(c) Application of all the evaluation factors indicated in Section 3 (Evaluation and Qualification Criteria).

35.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in bid evaluation.

35.4 The methodology for evaluating the price bids is specified in Section 3 (Evaluation and Qualification Criteria).

35.5 If the bid, which results in the lowest Evaluated Bid Price is substantially on lower side and/or seriously unbalanced in the opinion of the Employer as per criteria defined below, the Employer may require the bidder to submit additional performance security as under:-

a) If overall price quoted by the L1 bidder is below the engineer's estimated price by more than 10% and the difference between overall price quoted by the L1 and L2 is more than 5% of the estimated price, then the bid price of L1 bidder shall be treated as substantially on lower side and such bidder shall be bound to furnish additional performance security equal to the (0.9x engineer's estimated price – L1 price) or (0.95 x L2 price – L1 price) whichever is lower, on this account. Example below demonstrates the method of calculation to arrive at additional performance security:

Suppose overall price quoted by the L1 bidder is 17% below the estimated price and the overall price quoted by L2 bidder is 8% below the estimated price. In this case the overall price quoted by the L1 bidder is lower by more than 10% of the estimated price and also the difference between overall price quoted by the L2 and L1 bidder is more than 5% of the estimated price, hence the L1 bidder shall be required to furnish additional performance security for an amount equal to

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{0.9 x engineer's estimated price – (1-17/100) x engineer's estimated price} = {0.07 x engineer's estimated price} = 7% of engineer's estimated price or {0.95 x (1-8/100) x engineer's estimated price – (1-17/100) x engineer's estimated price} = {0.044 x engineer's estimated price} = 4.4% of engineer's estimated price; whichever is lower.

As per the above L1 bidder shall be required to submit additional performance security of 4.4% of engineer's estimated price.

b) If for any bill/ schedule of quantities % age above or below quoted by the bidder on the estimated price is beyond 15% below the overall % age difference between the quoted contract price and the engineers estimated price, then the price for that particular schedule shall be treated as seriously unbalanced and bidder shall be bound to furnish additional performance security for such unbalanced price. Example below demonstrates the method of calculation to arrive at unbalanced price and additional performance security:

Suppose for the L1 bidder overall % age difference between quoted contract price and the engineers estimated price;

(Overall contract price – Overall estimated price) x 100 ÷ overall estimated price = + 4 %

Maximum % age below permitted over estimated price of any bill / schedule in this case = +4 – 15 = -11%

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Suppose for the L1 bidder has quoted 20% below estimated price of schedule "A" then the pricing of the schedule A shall be treated as unbalanced and the bidder shall be required to furnish additional performance security for an amount equal to (20 – 11) % of the estimated price of schedule A.

36 Comparison of Bids

36.1 The Employer shall compare all substantially responsive bids to determine the highest combined score, in accordance with ITB 35 and Section 3, and shall rank the Bidders based on their Combined Score with highest combined score ranked 1st; 2nd highest ranked 2nd and so on.

37 Employer's Right to Accept Any Bid, and to Reject Any or All Bids

37.1 The Employer reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders. In case of annulment, all bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.

(F) Award of Contract

38 Award Criteria

38.1 The Employer shall award the Contract to the Bidder whose bid is substantially responsive to the Bidding Document, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily and whose offer has been determined to be the highest combined score subject to ITB 38.2 below. In case of more than one bids are evaluated to have equal combined score the one having the highest Technical score will be declared as substantially responsive to the bidding document.

38.2 The Employer has the right to review at any time prior to award of contract that the qualification criteria as specified in Section 3: Evaluation and Qualification Criteria are still being met by the Bidder whose offer has been determined to be the highest combined score. A Bid shall be rejected if the qualification criteria as specified in Section 3: Evaluation and Qualification Criteria are no longer met by the Bidder whose offer has been determined to be the highest combined score. In this event the Employer shall proceed to the next highest combined score to make a similar reassessment of that Bidder's capabilities to perform satisfactorily.

39 Notification of Award

39.1 Prior to the expiration of the period of bid validity, the Employer shall notify the successful Bidder, in writing, that its bid has been accepted by the Competent Authority at K RIDE's Corporate Office at Bangalore. The notification letter (hereinafter and in the Conditions of Contract and Contract Forms called the "Letter of Acceptance") shall specify the sum that the Employer will pay the Contractor in consideration of the execution and completion of the Works (hereinafter and in the Conditions of Contract and Contract Forms called "the Contract Price") and the requirement for the Contractor to remedy any defects there in as prescribed by the Contract.

39.2 Until a formal contract is prepared and executed, the notification of award shall constitute a binding Contract.

40 Signing of Contract

40.1 Promptly after notification, the Employer shall send the successful Bidder the Contract Agreement.

40.2 Within twenty-eight (28) days of receipt of the Contract Agreement, the successful Bidder shall sign, date, and return it to the Employer.

41 Performance Security

41.1 The successful bidders shall have to submit a Performance Guarantee (PG) Within twenty-one (21) days from the date of issue of Letter of Acceptance (LOA). Extension of time for submission of PG beyond 21 days upto 60 days from the date of issue of LOA may be given by the authority who is competent to sign the contract agreement. However a penal interest of 12% of per annum shall be charged for the delay beyond 21 days, i.e. From 22nd day after the date of issue of LOA. Further if the 60th day happens to be declared holiday in the office of K-RIDE, submission of PG can be accepted on the next working day.

In all other cases if the contractor fails to submit the requisite PG even after 60 days from the date of issue of LOA, the contract is liable to be terminate. In case contract is terminated K-RIDE shall be entitled to forfeit the Bis security and other dues payable against to the contract. In case the tenderer has not submitted by security on the strength of their registration as a startup recognized by the Department of Industrial Policy and Promotion (DIPP) under Ministry of Commerce and Industry, DIPP shall be informed to this effect. The failed contractor shall be debarred from participating in re-tender for the work.

41.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or to sign the Contract Agreement shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security.

41.3 The above provision shall not apply to the furnishing of a Domestic Preference Security, if so required.

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42 Jurisdiction of Courts

The bidding process shall be governed by and construed in accordance with the laws of India and the Courts as indicated in Bid Data Sheet shall have exclusive jurisdiction over all the disputes/issues arising under, pursuant to and/ or in connection with the bidding process.

43 **Special Provisions for Micro and Small Enterprises (MSEs):** MSEs registered with District Industries Centers/ Khadi and Village Industries Commission/ Khadi and Village Industries Board/Coir Board/ National Small Industries Corporation/ Directorate of Handicraft and Handloom/ 'Udyog Aadhaar' – The Online Portal of MSME/ Any other body specified by Ministry of MSME are exempted from the payment of Bid security/Bid security Declaration for this tender.

44 The provisions of revised 'Public Procurement (Preference to Make in India) Order 2017' issued by Department of Industrial Policy and Promotion under Ministry of Commerce and Industry vide letter no. P-45021/2/2017-PP (BE-II) dated 28.05.2018 shall be applicable to the bidding process and award of the contract shall be done accordingly. In this connection, the minimum local content shall be 50% and the

margin of purchase preference shall be 20%. For award of contract, para 3.c. of the revised 'Public Procurement (Preference to Make in India) Order 2017' shall be applicable in addition to the other provisions in the bidding documents in this regard.(Refer Annexure-I of IFB)

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Section 2	Bid Data Sheet (BDS)

Section 2 | Bid Data Sheet (BDS)

This section consists of provisions that are specific to each procurement and supplement the information or requirements included in Section I – Instructions to Bidders.

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A. Introduction

ITB 1.1	The number of the Invitation for Bids is*:* ***K RIDE/BSRP/05/2021*** ***Date: 20/05/2021***
ITB 1.1	The Employer is: K RIDE (**Rail Infrastructure Development Company (Karnataka) Limited), Bangalore**
ITB 1.1	The name of the work is Implementation of ERP-SAP/S-4 HANA Solution (HR – Human Resources Management including Payroll, FICO – Financial & Accounting Module, PS - Project Systems & MM - Materials Management).
ITB 4.1(b)(i)	No of partners: Not Applicable
ITB 5.1	Clause 5 not applicable

B. Bidding Documents

ITB 7.1	For clarification purposes only, the Employer's address is General Manager (Finance), K-RIDE (Rail Infrastructure Development Company (Karnataka) Limited) #8, 1st Floor, Samparka Soudha, Dr. Rajkumar Road, opposite Orion Mall, Rajajinagar 1st Block, Bengaluru– 560010 Mobile No : +91-9535688982 E – Mail: gmfinance@kride.in The clarifications/replies shall be made available on the website https://eproc.karnataka.gov.in only**.**
ITB 7.4	**A Pre-Bid meeting is schedule on the following date, time and venue:** **Date: 04/06/*2021*** ***Time: 11.30 hrs*** **Venue:** #8, 1st Floor, Samparka Soudha, Dr. Rajkumar Road, Opposite Orion Mall, Rajajinagar 1st Block, Bengaluru-560010 Tel +9535688982 The pre-bid meeting may also be attended through video conferencing (VC). Those bidders who wish to join the Video Conferencing shall send a request email on the email id (i.e. **gmfinance@kride.in)** by 02.06.2021 up to 15:00 hours IST, so that a link for Video Conferencing can be sent by KRIDE.

	Please note that the request received from the bidders (With details of the Company, its address, and the name and designation of the person attending the VC) will only be entertained. They should also mention the email id through which VC is desired to be joined. KRIDE may allow maximum of two email Ids for one company to participate in the VC. Any request for VC received after the given date and time for sending the link for VC will not be entertained. Prospective bidders will be able to join the VC through the link provided to them on Email ID. During this pre- Proposal meeting, prospective bidders may request for clarifications.
ITB 8.2	The addendum / corrigendum to the bid documents, if any, shall be made available on the website https://eproc.karnataka.gov.in and K-RIDE website only.

C. Preparation of Bids

ITB 10.1	The language of the bid is: **English**
ITB 11.2	Alternative technical solutions **are not** permitted.
ITB 11.4 (vi)	Checklist as per Form No. 2 given in Section 4: Bidding Forms
ITB 11.4	The following documents shall also be submitted with the Technical bid: The Technical Proposal shall comprise, in addition to the Standard Forms provided in Section 4 of the RFP, the following documents: a. Power of Attorney to sign the proposal b. Summary of Information of Proposed Key Experts including their CV Submission of the Technical Proposal in a wrong format may lead to the Proposal being deemed non-responsive to the RFP requirements
ITB 13.1	Alternative bids **are not** permitted.
ITB 13.2	Alternative times for completion **are not** permitted.
ITB 14.4, 14.5, 14.6 & 14.8	**Not Applicable**
ITB 15.1 & ITB 33.1	The unit rates and the prices shall be quoted by the bidder entirely in **Indian Rupees (INR).**

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ITB 4.3.3 & 18.1	The bid validity period shall be 90 **(Ninety)** days from the Bid Submission dead line Date.
ITB 19.1, 19.3, 19.6, 19.7	Bid security to be read as Bid security declaration The Bidder should submit along with the bid, a Bid Security Declaration form (BDF-1) as mentioned in the notice for invitation of Bid. Bid security need not be paid
ITB 19.2, 19.4, 19.5	Not Applicable
ITB 20.1.1 to 20.1.4	Add the following to this clause: The written confirmation of authorization to sign on behalf of the Bidder shall consist of: (a) In case of Private/Public Companies, a POA from the Director of the Company who has been authorized by the Board of Directors through resolution to sign on behalf of the Company. Copy of Board Resolution shall also be submitted. (b) In case of proprietorship bidders, Power of Attorney by the Proprietors. (c) In case of partnership bidders, Power of Attorney duly signed by all the partners. (d) In case of Limited Liability Partnership (LLP), a POA from the Director of the Company who has been authorized by the Board of Directors through resolution to sign on behalf of the Company. Copy of Board Resolution shall also be submitted.
ITB 20.1.5	Not Applicable

D. Submission and Opening of Bids

ITB 22.1	For bid submission purposes only, the Employer's address is: The Bidder shall submit their Bid only through e-procurement portal of K-RIDE i.e., https://eproc.karnataka.gov.in The link for e-procurement is available in the following website. www.kride.in Tel : 9535688982 E – Mail: gmfinance@kride.in **The deadline for bid submission is:** **Date: 21.06.2021 *Time: 15:00 hrs.***

ITB 22.2	Only Electronic bid submission permitted**.**
ITB 25.1	The technical bid opening shall take place at - only **e- procurement portal of K-RIDE** i.e. https://eproc.karnataka.gov.in **Bid Opening**: Date: 22.06.2021. *Time: 15:30 hrs.*
ITB 25.2	Only Electronic bid opening permitted**.**

E. Evaluation and Comparison of Bids

ITB 35.5 and 35.6	Not Applicable (as per Ministry of Finance Office Memorandum dated 12th November 2020)
ITB 39.2	In case, the successful Bidder considers that they will not be able to sign, and return the contract agreement to the employer, the successful Bidder shall inform possible date of return to the Employer not later than 7 (seven) days prior to the time limit. The modified time limit shall be subject to agreement by both the parties.
ITB 42	Bengaluru

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Section 3	Evaluation & Qualification Criteria (EQC)

Section 3	Evaluation & Qualification Criteria (EQC)

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1 Evaluation

In addition to the criteria listed in ITB 35.2 (a)-(d), the following criteria shall apply:

1.1. Adequacy of Bid

Evaluation of the Bidder's commitment to mobilize key equipment and personnel for the contract consistent with the requirements stipulated in Section 5: Works Requirements and Bill of Quantities (BOQ) Section 9 regarding work methods, scheduling, and material sourcing.

1.2. Evaluation of proposal

Pursuant to Sub-Clause 35.4 of Instructions to Bidders, evaluation shall be done as under:

In first stage the qualification of the bidder shall be checked for which the bidder has submitted the substantially responsive proposal.

In the second stage, the bidder whose proposal has been determined substantially responsive and meeting the qualification requirements, the technical evaluation of such bidder will again be done for the requirements as stipulated in this section of document.

After the evaluation of technical proposals as above, the financial offers shall be opened of specific bidders who have submitted substantially responsive proposal and who have been determined to meet the qualification requirements.

The offers of bidders which have been rejected on the grounds of being substantially nonresponsive to the requirements of the bidding document and which have been determined as being not qualified as a result of evaluation of technical proposal, the price proposal of such bidders shall not be opened and returned unopened.

After the bidder is determined to meet qualification requirements, the employer will evaluate and compare Price bid. The Bidder will be selected under QCBS (Quality cum Cost Based System) with 80:20 weightage for technical score and financial score respectively.

1.3. Completion Time

Alternative Completion Time is not permitted.

1.4. Technical Alternatives

Technical alternatives are not permitted

1.5. Margin of Preference

1.5.1. Purchase Preference to Central Public Sector Enterprises (CPSEs)

Purchase Perference to CPSEs shall not apply.

1.5.2. Domestic Preference

Domestic Preference is not applicable.

2. Eligibility Criteria:

2.1Technical Eligibility Criteria:

Bidder Should:

1. Be an Indian Company registered under the Companies Act 1956 for the last 5 years, the copy of the Certificate of incorporation/Registration required

2. Be SAP Gold partner - copy of the Certificate issued by SAP to be provided.

3. Have CMMI Level 3 certification – should be supported by Certificate issued by competent authority

4. Have at least 50 Full Time SAP domain experts on its payroll (FICO, MM, HRM, and PS). Out of which 5 should be SAP Certified consultants. The details of employees should be signed by Authorized representative of bidder's organization.

5. Have experience of having executed SAP implementation and support in at least 3 companies/ 3 separate assignments as on 31st Mar 2021 (project should have been gone live), out of which, at least one company should be Govt. /PSU with minimum value of Rs. 1 Crores – should be supported by Customers Testimonials/Work order etc

6. Have Out of above SAP Experience all the project should be full cycle implementation with support inclusive of Modules HR, FICO, PS & MM in Indian companies having a minimum turnover of Rs. 500 Crore OR with minimum 50 user base – should be supported by Customers Testimonials/work orders etc.

7. Have Out of above SAP experience at least one company should be of similar industries like Metro Rail Sector/ Railway Sector - should be supported by Customers Testimonials/work orders etc

8. Have under taken three assignments in SAP implementation of value of Rs.1 Crore each or above in the past five years till 31st March 2021 - should be supported by Customers Testimonials/work orders etc.

a) The Bidder must have successfully completed the following:

- Three similar assignments in SAP implementation of value of Rs.2 Crore each or above in the past five years till 31st March 2021 - should be supported by Customers Testimonials/work orders etc

or

- Two similar assignments in SAP implementation of value of Rs. 3 crores or above in past 5 years till 31.03.2021 - should be supported by Customers Testimonials/work orders etc

or

- One similar assignment in SAP implementation of value of Rs. 5 Crore or above in past 5 years till 31.03.2021- should be supported by Customers Testimonials/work orders etc

- Similar work is defined as below:
  Experience in SAP Implementation

(b) To evaluate the technical eligibility of tenderer, only components of work as stipulated in tender documents for evaluation of technical eligibility, shall be considered. The scope of work covered in other remaining components shall be either executed by tenderer himself if he has work experience as mentioned or through sub-contractor approved by K RIDE or jointly i.e., partly himself and remaining through subcontractor, with prior approval of K RIDE in writing.

However, if required in tender documents by way of Special Conditions, a formal agreement duly notarised, legally enforceable in the court of law, shall be executed by the main contractor with the subcontractor for the component(s) of work proposed to be executed by the subcontractor(s), and shall be submitted along with the offer for considering subletting of that scope of work towards fulfilment of technical eligibility.

In case after award of contract or during execution of work it becomes necessary for contractor to change subcontractor, the same shall be done with prior approval of KRIDE.

Note for Item 2.1:

Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organisation, work experience certificate issued by Public listed company having average annual turnover of Rs 500 crore

and above in last 3 financial years excluding the current financial year, listed in stock exchange in India or Abroad or subsidiaries of such companies incorporated/registered at least 5 years prior to the date of opening of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates.

In case tenderer submits work experience certificate issued by public listed company, the tenderer shall also submit along with work experience certificate, the relevant copy of work order and bill wise details of payment received duly certified by Chartered Accountant, in support of above work experience certificate.

2.2. Financial Eligibility Criteria:

The bidder should have average annual turnover of at least Rupees 10 Crore (Rupees ten Crore only) from SAP implementation/ Support projects for last three years ending 31st March 2021. The bidders shall submit Certificates to this effect which may be an attested Certificate from the concerned department /client or Audited Balance Sheet duly certified by the Chartered Accountant / Certificate from Chartered Accountant duly supported by Audited Balance Sheet.

Note for 2.2: Client certificate from other than Govt Organization should be duly supported by Form 16 A / 26 AS generated through TRACES of Income Tax Department of India.

The bidder should have registration under GST and should have valid GSTIN number. The bidder must submit as compliances of GST Act, the invoices in GST compliant format, failing which the GST amount shall be recovered/ adjusted by K-RIDE without any prior notice from the next invoices or available dues with K-RIDE. The bidder is requested to update/ upload the GST/ Taxes data periodically so as to avail Input Tax Credit (ITC) by K-RIDE, failing which it shall be recovered/ adjusted by K-RIDE without any prior notice from the next invoices or available dues with K-RIDE. Also, bidder need to consider all ITC received/receivable by it so as to ensure that as per GOI orders quoted prices are after due passing or the ITC benefit to the consumer.

Only proposals of those Consultants who meet the 'Eligibility Criteria' specified under Para 2 shall be eligible for further evaluation

2.3. Bid Capacity: The tender/technical bid will be evaluated based on bid capacity formula detailed as below: -

For tenders costing more than Rs 20 crore wherein eligibility criteria includes bid capacity also, the tenderer will be qualified only if its available bid capacity is equal to or more than the total bid value of the present tender. The available bid capacity shall be calculated as under:

Available Bid Capacity = [A x N x 2] – B

Where,

A = Maximum value of construction works executed and payment received in any one of the previous three financial years or the current financial year (up to date of inviting tender), taking into account the completed as well as works in progress.

N= Number of years prescribed for completion of work for which bids has been invited.

B = Value of existing commitments and balance amount of ongoing works with the tenderer to be completed in next 'N' years.

Note:

(a) The Tenderer(s) shall furnish the details of existing commitments and balance amount of ongoing works with tenderer as per the prescribed proforma of K-RIDE for statement of all works in progress and also the works which are awarded to tenderer but yet not started upto the date of inviting of tender. In case of no works in hand, a 'NIL' statement should be furnished. This statement should be submitted duly verified by Chartered Accountant.

(b) In case of JV/Consortium, the tenderer(s) must furnish the details of existing commitments and balance amount of ongoing works with each member of JV/ Consortium as per the prescribed proforma of K-RIDE for statement of all works in progress and also the works which are awarded to tenderer but yet not started up to the date of inviting of tender. In case of no works in hand, a 'NIL' statement should be furnished. This statement should be submitted duly verified by Chartered Accountant.

(c) Value of a completed work/work in progress/work awarded but yet not started for a Member in an earlier JV/Consortium shall be reckoned only to the extent of the concerned member's share in that JV/Consortium for the purpose of satisfying his/her compliance to the above-mentioned bid capacity in the tender under consideration.

(d) The arithmetic sum of individual "bid capacity" of all the members shall be taken as JV's/ Consortium's "bid capacity".

(e) In case, the tenderer/s failed to submit the above statement along with offer, their/his offer shall be considered as incomplete and will be rejected **summarily**.

(f) The available bid capacity of tenderer shall be assessed based on the details submitted by the tenderer. In case, the available bid capacity is lesser than estimated cost of work-put to tender, his offer shall not be considered even if he has been found eligible in other eligibility criteria/tender requirement.

(g) Special Provision ***for*** ***Micro, Small & Medium Enterprises (MSMEs):***

i) Applicants registered with the agencies (as mentioned in para iii) below) as Micro, Small & Medium Enterprises (MSMEs) are exempted from the payment of BID/bidding document fee.

ii) Applicants registered with the agencies (as mentioned in para iii) below) as Micro, Small & Medium Enterprises (MSMEs) will be exempted from deposit of Proposal/Bid Security.

iii) Applicants who are interested in availing themselves of above benefits will enclose with their proposal;

a) The proof of their being micro or small or medium enterprise (MSME) registered with any of the following agencies;

1. District Industries Centers
2. Khadi and Village Industries Commission
3. Khadi and Village Industries Board
4. Coir Board
5. National Small Industries Corporation
6. Directorate of Handicraft and Handloom
7. 'Udyog Aadhaar' – The Online Portal of MSMEs
8. Any other body specified by Ministry of MSMEs.

b) Supporting document(s) indicating the terminal validity date of registration which should be a date after the deadline for submission of proposals, failing which, their proposals shall not be liable for consideration of benefits detailed in para (i) & (ii) above.

c) In case of Joint Venture/Consortium, the aforesaid MSME benefits will not be applicable

(h) ***Preference to Make in India:***

The provisions of revised 'Public Procurement (Preference to Make in India) Order 2017' issued by Department of Industrial Policy and Promotion under Ministry of Commerce and Industry vide letter no. P-45021/2/2017-PP (BE-II) dated 28.05.2018 shall be applicable to the bidding process and award of the contract shall be done accordingly. In this connection, the minimum local content shall be 50 and the margin of purchase preference shall be 20%. For award of contract, para 3.c. of the revised 'Public Procurement (Preference to Make in India) Order 2017' shall be applicable in addition to the other provisions in the bidding documents in this regard.

2.4 Deleted.

2.5 Credentials if submitted in foreign currency shall be converted into Indian currency i.e., Indian Rupee as under:

Bids will be compared in Indian Rupees only. This will be achieved by conversion of the Foreign Currency portion of the Bid into Indian Rupees by using the Exchange Rates published by Financial Benchmarks India Pvt. Ltd (www.fbil.org.in) 28 (twenty-eight) days before the latest date of Bid submittal, and then adding the same to the Indian Rupee portion of the Bid. In case this particular day happens to be a holiday, the exchange rate published by Financial Benchmarks India Pvt. Ltd (www.fbil.org.in) on the next working day will be considered.

[Explanation for clause 2 including clause 2.1 to 2.5 - Eligibility Criteria:

1. In case a work is started prior to 07 (seven) years, ending last day of month previous to the one in which tender is invited, but completed in last 07 (seven) years, ending last day of month previous to the one in which tender is invited, the completed work shall be considered for fulfilment of credentials.

2. If a work is physically completed and completion certificate to this extent is issued by the concerned organization but final bill is pending, such work shall be considered for fulfilment of credentials.

3. If a part or a component of work is completed but the overall scope of contract is not completed, this work shall not be considered for fulfilment of technical credentials even if the cost of part completed work/component is more than required for fulfilment of credentials.

4. **In case a work is considered similar in nature for fulfilment of technical credentials, the overall cost of that work including PVC amount if any shall be considered and no separate evaluation for each component of that work shall be made to decide eligibility.**

5. The value of final bill including PVC amount-if paid, or otherwise in case final bill is pending the contract cost in last approved variation statement plus PVC amount paid or cumulative amount paid up to last on-account bill including PVC amount and statutory deductions whichever is less, shall be considered as the completion cost of work.

6. In case of newly formed partnership firm, the credentials of individual partners from previous propriety firm(s) or dissolved previous partnership firm(s) or split previous partnership firm(s), shall be considered only to the extent of their share in previous entity on the date of dissolution / split and their share in newly formed partnership firm. For example, a partner A had 30% share in previous entity and his share in present partnership firm is 20%. In the present tender under consideration, the credentials of partner A will be considered to the extent of 0.3*0.2*value of the work done in the previous entity. For this purpose, the tenderer shall submit along with his bid all the relevant documents which include copy of previous partnership deed(s), dissolution deed(s) and proof of surrender of PAN No.(s) in case of dissolution of partnership firm(s) etc.

7. In case of existing partnership firm, if any one or more partners quit the partnership firm,

the credentials of remaining partnership firm shall be re-worked out i.e., the quitting partner(s) shall take away his credentials to the extent of his share on the date of quitting the partnership firm (e.g. in a partnership firm of partners A, B & C having share 30%,30% & 40% respectively and credentials of Rs 10 crore; in case partner C quits the firm, the credentials of this partnership firm shall remain as Rs 6 crore). For this purpose, the tenderer shall submit along with his bid all the relevant documents which include copy of previous partnership deed(s), dissolution deed(s) and proof of surrender of PAN No.(s) in case of dissolution of partnership firm(s) etc.

8. In case of existing partnership firm if any other partner(s) joins the firm, the credentials of partnership firm shall get enhanced to the extent of credentials of newly added partner(s)on the same principles as mentioned in item 6 above. For this purpose, the tenderer shall submit along with his bid all the relevant documents which include copy of previous partnership deeds, dissolution/splitting deeds and proof of surrender of PAN No.(s) in case of dissolution of partnership firm etc.

9. Any partner in a partnership firm cannot use or claim his credentials in any other firm without leaving the partnership firm i.e., In a partnership firm of A&B partners, A or B partner cannot use credentials of partnership firm of A&B partners in any other partnership firm or propriety firm without leaving partnership firm of A&B partners.

10. In case a partner in a partnership firm is replaced due to succession as per succession law, the proportion of credentials of the previous partner will be passed on to the successor.

11. If the percentage share among partners of a partnership firm is changed, but the partners remain the same, the credentials of the firm before such modification in the share will continue to be considered for the firm as it is without any change in their value. Further, in case a partner of partnership firm retires without taking away any credentials from the firm, the credentials of partnership firm shall remain the same as it is without any change in their value.

12. In a partnership firm “AB” of A&B partners, in case A also works as propriety firm “P” or partner in some other partnership firm “AX”, credentials of A in propriety firm “P” or in other partnership firm “AX” earned after the date of becoming a partner of the firm AB shall not be added in partnership firm AB.

13. In case a tenderer is LLP, the credentials of tenderer shall be worked out on above lines similar to a partnership firm.

14. In case company A is merged with company B, then company B would get the credentials of company A also.]

3. Technical Evaluation

Bids that qualify the criteria set for Technical Capacity shall be evaluated for technical marks as per the following criteria:

A	Firm Experience			70
Sr. No	**Technical Evaluation criteria**	**Description**	**Documentary Proof**	**Marks**
A.1	**Turnover**	If the Bidders average annual Turnover is i) 10 Cr. - 30 Cr. - 2 marks OR ii) >30 Cr. - 50 Cr. - 3 Marks OR iii) > 50 Cr. - **5 Marks**	Extracts from the Balance sheet and Profit & Loss and Certificate from the statutory auditor /Chartered Accountant.	**5**
A.2	**Bidder experience in proposed ERP Implementation and Support**	Wide Experience of having executed Proposed ERP implementation and support in at least 3 companies/ 3 separate assignments with a value of Rs.1 Crs each as on 31st Mar 2021. A. if any of the above claimed project is in the range of i. Rs.1 -< Rs.3 cr - **2 mark** **OR** ii. Rs.3 - Rs.5 Cr - **3 marks** **OR** iii. above Rs.5 Cr. - **5 marks** B. If any of the two claimed project is in Metro/Rail sector- additional **10 marks**	Work Order issued by the client/ Completion Certificate / go-live certificate from the organization.	**15**

A	Firm Experience			70
Sr. No	**Technical Evaluation criteria**	**Description**	**Documentary Proof**	**Marks**
A.3	Quality Certification	CMMI Level 3 = 5 marks OR CMMI Level 3 + ISO 9001 = 10 marks OR CMMI Level 5 + ISO 9001+ ISO 27001 = 15 marks	Copy of the valid certificate from an Authorized agency.	**30**
A.4	The bidder should have at least 50 Full Time SAP Domain Experts/ Consultants on its payroll (FICO, HRM, MM and PS) out of which 5 should be SAP Certified consultants	50 – 100 consultants = 5 mark OR >100 Consultants = 10 marks If, out of the above, SAP Certified consultants 6 – 20 = additional 2 mark OR Above 20 = additional 3 marks		20
B	Presentation & Demonstration			15

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The minimum experience and the scoring criteria for the Key Experts are tabulated below

C	**Team Composition**			**15**
S. No.	**Key Personnel**	**Minimum Qualification**	**Experience & Eligible Assignments**	**Max. Marks**
C.1	Project Manager	Engineering Graduate / MCA / MBA	Minimum Professional experience = 10 years Should have executed at least Two Similar ERP projects as Project manager. Should have experience of handling IT infrastructure / application related complex project of worth more than INR 10 Crore. – 2 Marks Need to have experience of handling the Rail/Metro Project - 3 Marks	**5**
C.2	Functional Consultant (FICO, MM, PS,HR, ABAP)	Engineering Graduate	Minimum Professional experience = 5 years Should have implemented at least one ERP project. – 1 Mark Should have experience ERP implementation or AMC for the Metro/Rail Client - 1 marks Each CV will carry 2 marks, total of 5 CVs = 10 Marks	**10**
			Total :- marks	**100**

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The Total marks shall be awarded after evaluation of the Technical Proposal which form the Technical Score, (TS) of the Bidder.

4. Price Bid Evaluation

Price Bids of only the Bidders who score a minimum TS of 70 (the “Qualified Bidder”) shall be opened.

The Employer will notify all those Bidders whose technical proposals did not meet the minimum qualifying score or were considered non-responsive indicating that their Price Bids remain unopened.

The Employer shall simultaneously notify the Bidders that have scored a TS equal to or more than the minimum stipulate score indicating the date and time set for opening the Price Bids by registered letter or electronic mail, with a request to witness the same.

After correcting any arithmetical errors, the evaluation of the price quotations will be made. **The Price Bid will be treated as invalid and the overall bid shall be rejected, if it is not signed and sealed.**

For financial evaluation, total cost of bid price quoted shall be considered. The Tender Evaluation Committee will determine whether the financial proposals are complete (i.e. whether they have included cost of all items of the corresponding proposals; if not, then their cost will be considered as NIL but the Bidder shall however be required to carry out such obligations without any compensation. In case, if Authority feels that the work cannot be carried out within overall cost of financial proposal, the proposal can be rejected. The Authority shall correct any computational errors and correct prices in various currencies to the single currency of INR.

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The lowest financial proposal (FM) will be given a financial score (FS) of 100 points. The financial scores of other proposals will be computed as follows:

FS = 100xFM/F

(FS = Financial Score, FM= Amount of lowest bid, F= Amount of financial proposal converted in the common currency)

The highest technical points (TM) will be given a technical score (TS) of 100 points. The Technical scores of other proposals will be computed as follows:

TS = 100xT/TM

(TS = Technical Score, TM= Points of highest bid, T= Points of technical proposal)

Combined evaluation of Technical and Financial Proposals –

Proposals will finally be ranked according to their combined technical (TS) and Financial (FS) scores using the weightages mentioned above.

S= TS x 0.8 + FS x 0.2

Where,

S= Combined Score of Bidders

TS=Technical Score out of 100

FS= Financial Score out of 100

The Combined Score of the Bidders would be calculated and the Bidder with the highest Score will be declared as successful Bidder subject to approval by competent authority.

Technical Score (TS), Financial Score (FS) and Combined Score (S) shall be rounded off up to two decimal places. In case more than one bidder has equal Score, the one having the higher/highest TS will be declared successful.

5. Negotiations:

Normally negotiations are not allowed. However, if required, negotiations will be held at the address indicated in the Bid Data Sheet. Representatives conducting negotiations on behalf of the Consultant must have written authority to negotiate technical, financial and other terms and conclude a legally binding agreement.

The Technical and Price Bid of the successful Bidder will become part of the Contract to be signed.

6. The Consultant shall be disqualified if:

(a) The consultant has been blacklisted/ banned for business dealings for Government Departments, or by Ministry of Railways or by KRIDE at any time till finalization of proposals, except in cases where such blacklisting/banning has been withdrawn by Competent Authority or has ceased on the deadline for submission of the proposals, for which satisfactory evidence is to be produced.

(b) Any previous contract of the consultant had been terminated for Consultant's failure by Rail infrastructure Development company (Karnataka) Limited (KRIDE) at any time starting from 3 years before the deadline for submission of proposals and upto one day before the date of opening of financial proposals;

i. Provided, however, there is no stay order or declaration by any Court against such termination of the Contract by the Rail Infrastructure Development Company (Karnataka) Ltd. or such termination of the Contract has not been revoked by Rail Infrastructure Development Company (Karnataka) Ltd.

(c) The consultant or any of its constituents:

(i) has suffered bankruptcy/insolvency or

(ii) has any ongoing case of insolvency before the NCLT/any Court where Interim Resolution Professional (IRP) has been appointed or is at any later stage of the insolvency process On the deadline of submission of bids or thereafter till finalization of bids.

(d) The consultant is found ineligible by the Employer, in accordance with ITB-3.

(e) The consultant has been declared by KRIDE to be a poor performer and the period of poor performance is still in force on the deadline for submission of proposals.

Or

The consultant has been declared by KRIDE to be a poor performer at any time after the deadline for submission of proposals and upto one day before the date of opening of financial proposals.

(f) The consultant has changed their name or created a new business entity as covered by the definition of "Allied Firm" under para 1102 (iii) of Chapter XI of Vigilance Manual of Indian Railways (available on website of Indian Railways), consequent to having been banned business dealings or suspended business dealings or having been declared a poor performer.

The Consultant shall submit an affidavit stating that they are not liable to be disqualified as per this sub clause using the appropriate Performa given in Section 4. Non-submission of an affidavit by the consultant shall result in summary rejection of his proposal.

7. Consultant shall immediately inform the Employer in case they cease to fulfill eligibility in terms of ITB 4.4. In case the consultant fails to inform the Employer or submits a false affidavit his proposal shall be summarily rejected and proposal security shall be forfeited. The consultant shall also be liable for Banning of Business dealings for a period up to five years.

8. **Examination of BID Documents**: In preparing their Proposals, Consultants are expected to examine in detail the documents comprising the BID. Material deficiencies in providing the information requested in the BID documents may result in rejection of Proposal.

Note:

1) Technical Eligibility Criteria: (Clause 2.1 of section 3)

The tenderer must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited:

SW1 : Three similar works as defined in clause 2,

or

SW2 : Two similar works as defined in clause 2,

or

SW3 : One similar work each as defined in clause 2.

2) Similar work is defined as below:

Experience in SAP Implementation.

3) F.E : Financial Eligibility Criteria as defined in Clause 2.2 of section 3

4) I. **Staffing Schedule:** The firm will be required to submit an undertaking that contractor shall deploy the personnel as per KRIDE.'s advice from the Staffing schedule which will be decided by KRIDE.

II. Approach and Methodology: The firm will be required to submit an undertaking that the Approach and Methodology for the project will be decided by the consultant in consultation with Employer as per stipulations in the construction contract agreement(s) for which the contractor's services are contemplated. It will be ensured that the approach and methodology prepared is in compliance to requirements in section 5 of the Bid document.

III. **Responsiveness:** Deleted

IV. **Examination of BID Documents**: In preparing their Proposals, Contractor are expected to examine in detail the documents comprising the BID. Material deficiencies in providing the information requested in the BID documents may result in rejection of Proposal.

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Section 4 Bidding Forms

Section 4 Bidding Forms

This Section contains the forms which are to be completed by the Bidder and submitted as part of his Bid. The forms, which are relevant to the subject, shall only be applicable

S.No	Title	Form Number	Page No
1	Letter of Technical Bid	PS 1	66-67
2	Letter of Price Bid	PS 2	68
3	Format for Affidavit (along with Bid)	PS 3	69-71
4	Bid Security Declaration Form	BDF -1	72

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S No	Title	Form Number	Page No
5	Bidder Qualification		73
6	Bidder's Information Sheet	ELI - 1	74
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8	Average Annual Turnover	FIN – 2	77
9	EQC	Form 1	78
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11	Assignments of Similar nature of work successfully completed		80
12	Details of Project Experience	Form 3	81
13	Summary of Information of proposed Personnel	Form 4	82-83
14	CV format to be submitted with proposal	Form 5	84-86
15	Approach and methodology proposed for performing the assignment	Form 6	87
16	Format for certificate to be submitted by bidder along with the bid	Form 7 C1	88
17	Format for certificate to be submitted by Bidder along with the bid for subcontracting	Form 7 C2	89

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Note:

NA – Not Applicable

Form: PS 1

Letter of Technical Bid

Date:

Invitation for Bid No.: .....

To: .....

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB);

(b) We offer to execute the Works in conformity with the Bidding Documents ;

(c) Our bid shall be valid for a period of 120 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(d) If our bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents;

(e) If our bid is accepted, we commit to deploy key equipment and key personnel consistent with the requirements stipulated in Section 3 : Evaluation and Qualification Criteria Section 5: Works Requirements;

(f) If our bid is accepted, we commit to submit work method statements for all major activities and get these approved from the Client/Employer prior to commencing work on such activities. We also understand that the work shall be executed as per the approved method statements without any deviations;

(g) We, including any subcontractors or suppliers for any part of the contract, do not have any conflict of interest in accordance with ITB 4.3;

(h) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process in accordance with ITB 4.3, other than alternative offers submitted in accordance with ITB 13;

(i) We declare that we are not liable to be disqualified in Accordance with ITB 4.4, and we are enclosing the affidavit for the same as per the Performa given in the bid document.

(j) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and

(k) We have not made any deviations from the requirement of the bidding document and we have also not made any tampering or changes in the bidding documents on which the bid is being submitted and if any tampering or changes are detected at any stage, we understand the bid will invite summary rejection and forfeiture of bid security/the contract will be liable to be terminated along with forfeiture of performance security, even if LOA has been issued.

(l) We understand that we will be considered to be participating for which we have submitted the Bid security Declaration form and we will be considered for award, subject to fulfilling the eligibility criteria as given in bidding document;

(m) If our bid is accepted, we opt to take payment into the bank account, nominated by us.

(n) We declare that the submission of this bid confirms that no agent, middleman or any intermediary has been, or will be engaged to provide any services or any other item of work related to the award and performance of this contract. We further confirm and declare that no agency commission or any payment which may be construed as an agency commission has been, or will be, paid and that the bid price does not include any such amount. We acknowledge the right of the Employer, if he finds to the contrary, to declare our bid to be noncompliant and if the contract has been awarded to declare the contract null and void

(o) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Name .....

In the capacity of .....

Signed .....

Duly authorized to sign the Bid for and on behalf of .....

Date .....

(SEAL AND SIGNATURE OF THE BIDDER)

Form: PS 2

Letter of Price Bid

Date: .....

Invitation for Bid No.: .....

To: .....

We, the undersigned, declare that:

I. We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB);

II. We offer to execute the Work in conformity with the Bidding Documents;

III. The total price of our Bid, is Rs …… (Words) …… ……

IV. We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and

V. We have not made any deviations from the requirement of the bidding document and we have also not made any tampering or changes in the bidding documents on which the bid is being submitted and if any tampering or changes are detected at any stage, we understand the bid will invite summary rejection and forfeiture of bid security/the contract will be liable to be terminated along with forfeiture of performance security, even if LOA has been issued.

VI. We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Name .....

In the capacity of .....

Signed .....

.....

Duly authorized to sign the Bid for and on behalf of .....

Date .....

Seal ……..

K RIDE

Form: PS 3

FORMAT FOR AFFIDAVIT TO BE SUBMITTED BY BIDDER ALONGWITH THE BID

*(To be executed in presence of Public Notary on non-judicial stamp paper of the appropriate value in accordance with relevant stamp Act. The stamp paper has to be in the name of the bidder)***

I **…….** ***(Name and designation)*******…….** appointed as the attorney/authorized signatory of the bidder (including its constituents), M/s. _____ (hereinafter called the bidder) for the purpose of the Bid for the work of _____ as per the bid No._____ of K RIDE, do hereby solemnly affirm and state on behalf of the bidder including its constituents as under:

*1. That the bidder or any of its constituents has not been Blacklisted/ banned for business dealings for all Government Departments or by Ministry of Railways or by K RIDE at any time and/or no such blacklisting is in force as on the deadline for submission of bids.

*2. That none of the previous contracts of the bidder or any of its constituents had been terminated/rescinded for Contractor's failure or part terminated for its failure as a JV/ Consortium partner with forfeiture of its full Performance Security, by Rail Infrastructure Development Company (Karnataka) Ltd. during the period of last 3 years before the deadline for submission of bids.

(Add Proviso of Clause 4.4(b) (ITB) suitably, if any Contract was so terminated).

*3. The bidder or any of its constituents has not been imposed liquidated damages of 5% or more of contract value by any Government Department or by Ministry of Railways or by K RIDE due to delay in the implementation of any previous contract (either in the capacity of a single entity or as constituent of any other JV/ Consortium) within the period of last 2 years before the deadline for submission of bid [*2 years shall be reckoned from the date on which imposed L.D. has exceeded 5% of the contract price]* and there are no such accrued delay damages which has not been fully recovered before the deadline for submission of bids on account of contractor's request for deferring recovery to maintain cash flow and K RIDE has acceded to the same in the interest of the project and the work under the previous contract in question has been completed before the deadline for submission of bid, unless imposition of such delay damages has been set aside by the Competent Authority.

4. That the Bidder or any of its constituents is neither Bankrupt/Insolvent nor is in the process of winding-up nor such a case is pending before any Court on the deadline of submission of the bid.

*5. That the name of the Bidder or any of its constituents is not on the list of "Poor Performer" of any Government Department or by Ministry of Railways or by K RIDE as on the deadline for submission of bid.

6. We declare that the bidder or any of its constituents have not either changed their name or created a new business entity as covered by the definition of "Allied Firm" under para 1102 (iii) of chapter XI of Vigilance manual of Indian Railways with latest amendments and corrections (available on website of Indian Railways), consequent to having been banned business dealings for specified period which is not over or suspended business dealings or having been declared as poor performer.

7.# We declare and certify that balance sheets for last three financial years including that for the latest concluded financial year are being submitted.

OR

We declare and certify that balance sheet for the latest concluded financial year has not been finalized till date and that is why we are furnishing financial data for last three financial years ignoring the latest concluded financial year.

*(# - Delete whichever is not applicable)***.

8. We declare and certify that we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.

9. We declare that the information and documents submitted along with the tender by us are correct and we are fully responsible for the correctness of the information and documents, submitted by us.

10. We understand that in case we cease to fulfill the requirements of qualifying and eligibility criteria at any time after opening of bids and till finalization of bids, it will be our bounden duty to inform the Employer of our changed status immediately and in case of our failure to do so, our bid shall be rejected and bid security declaration form shall be invoked. In case such failure comes to the notice of Employer at any time after award of the contract, it will lead to termination of the contract and forfeiture of Bid or Performance Security. We shall also be liable for Banning of Business dealings upto a period of five years.

11. We understand that if the contents of the affidavit are found to be false at any stage during bid evaluation, it will lead to rejection of our bid and invocation of the bid security declaration. Further, we ***[insert name of the bidder]**** _____ and all our constituents understand that we shall be liable for banning of business dealings upto a period of five years.

12. We also understand that if the contents of the affidavit are found to be false at any time after the award of the contract it will lead to termination of the contract, forfeiture of Bid or Performance Security and Banning of Business dealings of the Bidder and all its constituents for a period of upto five years.

(SEAL AND SIGNATURE OF THE BIDDER)

Verification:

Verified on _____ day of _____ at _____ that the contents of the above mentioned affidavit are true and correct and nothing material has been concealed there from.

(SEAL AND SIGNATURE OF THE BIDDER)

**Modify the contents wherever necessary, in terms of sub-clause 4.4 ITB.*

*** The contents in Italics are only for guidance purpose and details as appropriate, are to be filled in suitably by Bidder.*

Attestation before Magistrate/Public Notary

K RIDE

BDF - 1

Bid Security Declaration Form

Tender No. _____ Date:_____

To,
The General Manager, Finance,
Rail Infrastructure Development Company (Karnataka) Limited,
#8, 1st Floor, Samparka Soudha, Dr.Rajkumar Road,
Opposite Orion Mall Rajajinagar 1st Block, Bengaluru-560010

I/We, (Name of bidder) am/are aware that I/We have been exempted from submission of Bid Security/Earnest Money Deposit in lieu of this Bid Security Declaration. According to your conditions, bid must be supported by a Bid Security Declaration.

I/We accept that I/We may be disqualified from bidding for any contract of works/service with K RIDE/Government of India and its PSUs/ Government of Karnataka and its PSUs for a **period of two years** from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

a) have withdrawn/modified/amended, impaired or derogated from the tender, Bid during the period of bid validity specified in the form of Bid; or

b) if awarded the tender and on being called upon to submit the Performance Guarantee/Performance Security fail to submit the same within the stipulated time period mentioned in tender documents or on being called upon to sign the contract agreement fail to sign the same within stipulated period mentioned in tender documents, in accordance with the Instructions to Bidders.

I/We understand this Bid Security Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

(Signature)

(Name of Signatory)…….

(Capacity of Signatory)……

Seal

Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder)

Dated on _____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)

Bidders Qualification

To establish its qualifications to perform the contract in accordance with Section 3 (Evaluation and Qualification Criteria) the Bidder shall provide the information requested in the corresponding Information Sheets included hereunder.

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Form ELI - 1: Bidder's Information Sheet

Bidder's legal name	
Bidder's country of constitution	
Bidder's year of constitution	
Bidder's legal address in country of constitution	
Bidder's authorized representative (name, address, telephone numbers, fax numbers, e-mail address)	

K RIDE

The bidder shall attach copies of the following original documents with the form:

1. In case of single entity, articles of incorporation or constitution of the legal entity named above, in accordance with ITB 4.1 and 4.2.
2. Authorization to represent the firm named in above, in accordance with ITB 20.2.

_____

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Form FIN-1: Financial Situation

(Each Bidder must fill in this form)

NAME OF BIDDER:

	Year 1:	Year 2:	Year 3:	Year 4:	Year 5:
1. Total Assets					
2. Current Assets					
3. Total Liabilities					
4. Current Liabilities					
5. Net Worth [= 1 – 3]					
6. Working Capital [= 2 - 4]					
7. Profit Before Tax (PBT)					

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_____

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Certified that all figures and facts submitted in this form have been furnished after full consideration of all observations/notes in Auditor's reports.

_____

(Signature of CA/Auditor)

Name of CA/Auditor:_____

Registration No: _____

_____

(Seal)

1. The bidder shall attach copies of the following documents with the form:

Copies of the audited balance sheets, including all related notes, and income statements for the last five years, as indicated above, complying with the following conditions.

- All such documents reflect the financial situation of the Bidder or partner to a JV/ Consortium, and not sister or parent companies.
- Historic financial statements must be audited by a certified accountant.
- Historic financial statements must be complete, including all notes to the financial statements.
- Historic financial statements must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).

2. Contents of this form should be certified by a Chartered Accountant/Auditor.

3. In the event that the audited accounts for the latest concluded Financial Year are not available, the Bidder shall furnish information pertaining to the last five financial years after ignoring the latest concluded financial year. In case, the bidder submits audited financial information for the last six or more years, only the figures for the latest five years shall be considered for evaluation.

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Form FIN-2: Annual Turnover for the last preceding 3 years

Each Bidder must fill in this form separately:

NAME OF BIDDER:

Year	Amount Currency	Exchange Rate	Indian National Rupees Equivalent
2020-21			
2019-20			
2018-19			
Average Annual Turnover for the last preceding 3 years			

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1. The information supplied shall be substantiated by data in the audited balance sheets and profit and loss accounts for the relevant years and submitted as attachments to form Fin-1 in respect of the bidder or all partners constituting the bidder.

2. Contents of this form should be certified by a Chartered Accountant/Auditor.

3. In the event that the audited accounts for the latest Financial Year are not available, the Bidder shall furnish information pertaining to last three financial years after ignoring the latest financial year. In case the bidder submits audited financial information for the last four or more years, only the figures for the latest three years shall be considered for evaluation.

_____

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EQC FORM NO.1

Clause No & Clause heading of Section 3	Details of value of work/quantity of activity and References (Folio No) of Documents through which criteria against each item is being met
2 Qualification	
2.1.1 Conflict of Interest mentioned in ITB 4.3	
2.1.2 Share of partners	
2.1.3 Disqualification of Bidder	
2.2 Financial Status	
2.2.1 Historical Financial Performance	
2.2.2 **Average** Annual Turnover	
2.2.3 Net Worth	
2.2.4 Bid Security Declaration	
2.3 Experience	
2.3.1 Specific Project Experience	
2.4 Personnel Undertaking submitted	
2.5 Equipment Undertaking submitted	**Not Applicable**
2.6 Specialist sub-contractor undertaking submitted	**Not Applicable**

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FORM NO. 2

CHECKLIST FOR CLAUSES PERTAINING TO SUMMARY REJECTION OF BID

We, the undersigned, declare that we have read and understood the content of ITB clauses mentioned below. We also understand that our bid shall be summarily rejected in case we fail to comply the requirements of undermentioned clauses:

ITB Clause No Section 1	Reason for Summary Rejection
4.4	Non-submission of Affidavit
4.5	Non-submission of immediate information to the Employer in case the Bidder ceases to fulfill eligibility in terms of ITB Clause 4.3 & 4.4
14.9	Non-submission of the Letter of Price Bid (LPB) and/or BOQ duly seal and signed
16.4	Non-submission of the Letter of Technical Bid (LTB) duly seal and signed
19.2	Bid not accompanied Bid security declaration form duly sealed and signed

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SEAL AND SIGNATURE OF THE BIDDER

ASSIGNMENTS OF SIMILAR NATURE SUCCESSFULLY COMPLETD DURING LAST THREE YEARS

1. **Brief Description of the Firm/Organization**

2. **Outline of the Recent Experience on Assignments of Similar Nature**

Sl.	Name of the Assignment	Location / City	Name of the Client	Type of Client (Govt.I PSU/ Pvt.)	experience in proposed ERP Implementation and Support /		Amount of Fee earned (Rs.)	Date of Completion	Was Successfully Completed (Yes/No)
	FY 2018-19								
1.									
2.									
3.									
4.									
	FY 2019-20								
I.									
2.									
3.									
4.									
	FY 2020-21								
I.									
2.									
3.									
4.									

[Note: Please attach Letter of Engagement / Contracts with Client and/or Certificates of Completion from the Client]

SEAL AND SIGNATURE OF THE BIDDER

Form 3

Details of Project Experience

Contract Name :			
Award Date		Actual Completion Date	
Total Contract Value of Consultancy			
Total Consultancy Contract Amount received in INR (for services rendered in India) and in US$ (for services rendered outside India)			
% age of Consultancy Contract Amount received with respect to total contract value			
If partner in a JV/ Consortium specify participation in total Consultancy contract amount in INR (for services rendered in India) and in US$ (for services rendered outside India)	Percent share of Total:	Share Amount:	
Employer's Name, Current Address and Current Telephone/Fax Number, E-mail			
Detailed Narrative Description of services rendered. (Give Details of Work that defines the scope relevant to the requirement)			

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SEAL AND SIGNATURE OF THE BIDDER

FORM 4

COMPOSITION OF THE TEAM PERSONNEL AND THEIR QUALIFICATION

Composition of the team personnel and their qualification and experience to be given as per the table below. Personnel should not be changed during consultancy period and in rare cases Client's prior permission is required to do so.

Technical/Managerial Staff

Sl.	Name	Position/ Designation in	Qualification	Professional Experience
1.		Project Manager		
2.		Functional Consultant (FICO, MM, PS,HR, ABAP)		

Detailed Curriculum Vitae of the proposed Technical/ Managerial Staff to be submitted as per Form 5

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FORM 4A

Name of Project:**.....**

SUMMARY OF INFORMATION OF PROPOSED PERSONNEL :

S. N	Name of the key person	Proposed position for the project	Nationality	Name of the Firm	Length of service with the Firm	Education/ Degree (Year/ Institution)	No. of years of relevant project experience	Total Experience since Completion of Education in no. of years	CV Signature (by Personnel and by authorised Signatory of consultant)

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FORM 5 (1/3)

Name of Project: "**.....**

CURRICULUM VITAE (CV) FORMAT TO BE SUBMITTED WITH PROPOSAL OF PROPOSED TECHNICAL /MANAGERIAL STAFF

.

1.	PROPOSED POSITION	:
2.	NAME	:
3.	DATE OF BIRTH	:
4.	NATIONALITY	:
5.	PERSONAL ADDRESS	:
	TELEPHONE NO.	:
	MOBILE NO.	:
	FAX NO.	
	E-MAIL ADDRESS	:
6.	EDUCATION *(The years in which various Qualifications were obtained must be stated)*	:
7.	OTHER TRAINING	:
8.	LANGUAGE & DEGREE OF PROFICIENCY	:
9.	MEMBERSHIP IN PROFESSIONAL SOCIETIES	:
10.	COUNTRIES OF WORK EXPERIENCE	:
11.	EMPLOYMENT RECORD	: Starting with present position, list in reverse order every employment held and state the start and end dates of each employment)

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FORM 5 (Contd……2/3)

From	To	Name of Employer	Name of the Project	Position Held	Description of Duties discharged including Works Undertaken	Any other relevant facts

[Describe only relevant projects in the above mentioned table.]

Notes:

1. Under column 'Position held', mention the designation held i.e. Team Leader, Project Manager, etc. and clearly state if you were an employee of any Firm along with your designation.

12. CERTIFICATION (Please follow exactly the following format. Omission will be seen as noncompliance)

(i) I, the undersigned Certify that, to the best of my knowledge and belief, this bio-data correctly describes my qualifications, my experience and myself. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.In case K RIDE at any stage detects that misstatement have been made by me, it would be at liberty to take any appropriate action against me including debarment for up to Three Years.

(ii) I have not been removed by Competent Authority of K RIDE from any of the K RIDE works without completing my assignment and shall be available to work with the consultants. In case I leave the assignment without approval of K RIDE or I am removed by K RIDE on account of some default, K RIDE would be at liberty to take any appropriate action against me including debarment for up to Three Years.

(iii) I hereby undertake that I will not leave K RIDE assignment without giving a minimum notice of 30 days and handing over of all records. I understand that in case I do so then K RIDE would be at liberty to take any appropriate action against me including debarment for up to Three Years.

(iv) I am willing to undertake the assignment and ensure my availability for the duration of the assignment.

(a) I have no history of involvement in Vigilance/CBI/Police Case, resulting in major penalty punishment of removal/dismissal/compulsory retirement or conviction.

FORM 5 (Contd……3/3)

(b) I have never been debarred from Consultancy Services by K RIDE.

Or

(c) I was debarred from Consultancy Services by K RIDE for .... years from ../../.. to ../../.. and period of debarment is now over.

Note: Score out Item which is not applicable to you in (b) or (c) above. Fill up blanks with requisite details in case (c) is applicable.

SIGNATURE OF PROPOSED PERSONNEL

……..

DATE OF SIGNING:……..Day……Month ……Year……..

Certified that information stated above has been verified by me."

Signature of Consultant (Authorized signatory)

Seal

Full Name……

Title……

Address ……...

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SEAL AND SIGNATURE OF THE BIDDER

FORM 6

APPROACH & METHODOLOGY PROPOSED FOR PERFORMING THE ASSIGNMENT

Name of Project: "**.....**

The approach and methodology will be detailed precisely under the following topics:

1. Understanding of the assignment
2. Work Breakdown structure.
3. Composition of the Team
4. Designated Experts and responsibilities- Link item 3
5. Duties and responsibilities of Project Manager and other key personnel.
6. Organizational set up and methodology for execution of the work as outline in Section 5
7. Documentation and procedures to be prepared, adopted and furnished to K RIDE (Rail Infrastructure Company (Karnataka) Limited.
8. Reporting Procedure

K RIDE

Notes:

(i) The approach and methodology should be precise and relevant to the assignment. Include Bar charts if any.

(ii) The presentation shall be made by the Qualified Bidders, meeting the eligibility criteria as per bid evaluation procedure

Form: C 1

FORMAT FOR CERTIFICATE TO BE SUBMITTED BY BIDDER ALONGWITH THE BID

(On the letter head of the Firm)

We/I,_____, having registered office at _____ do hereby certify that "I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. (Where applicable, evidence of valid registration by the competent Authority shall be attached.)"

Dated this _____ day of _____, 2021

For- _____
Authorized Signatory Signature _____
Full Name: _____
Place: _____

K RIDE

(SEAL AND SIGNATURE OF THE BIDDER)

Form: C 2

FORMAT FOR CERTIFICATE TO BE SUBMITTED BY BIDDER ALONGWITH THE BID FOR SUB CONTRACTING

(On the letter head of the Firm)

We/I,_____, having registered office at _____ do hereby certify that ""I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that this bidder is not from such a country or, if from such a country, has been registered with the competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the competent Authority. I hereby certify that his bidder fulfils all requirements in this regard and is eligible to be considered. (Where applicable, evidence of valid registration the Competent Authority shall be attached.)"

Dated this _____ day of _____, 2021

For- _____
Authorized Signatory Signature _____
Full Name: _____
Place: _____

K RIDE

(SEAL AND SIGNATURE OF THE BIDDER)

--00--00--00--

Section 5	Works/Employer's Requirements

Section 5	**Works/Employer's Requirements**

This Section contains the specifications, the safety precautions and supplementary information that describe the Work to be executed.

I N D E X

	Description	Pages
	Project Background	**91**
1	**Tender Objective**	**91-92**
1.1	Site Offices	
1.2	Functional Department/Divisions	
1.3	Site Functional Departments/Divisions	
2	**Implementation**	**92**
3	**Functionalities**	**92-104**
3.1	The Application Requirements	
3.2	Project Management	
3.3	Project Team	
3.4	Implementation Milestones	
3.5	Scope of Work	
3.6	Deliverables	
3.7	Scope of Maintenance and Support	
3.8	Scope of Training	
3.9	Review Mechanism	
4	**Duration of Consultancy**	**104-105**
4.1	Acceptance Criteria	
4.2	Service Level Agreement (SLA)	
5	**Annexure – 1**	**106-171**

Project Background:

RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED (KRIDE) having its Corporate office at #8, 1st Floor, Samparka Soudha, Dr. Rajkumar Road, Opposite Orion Mall, Rajajinagar 1st Block, Bengaluru-560010, India, was incorporated as a joint venture between Government of Karnataka and Ministry of Railways. It has been created to boost "Rail Infrastructure Projects" in the state of Karnataka on the principle of cooperative federalism. Currently, the joint venture has been mandated with the critical responsibility of executing the flagship Bengaluru Suburban Rail Project (BSRP) and two large doubling projects. K-RIDE aims to become a benchmark in executing Rail based infrastructure projects in an agile, innovative and qualitative manner

1.0 TENDER OBJECTIVE:

- To integrate different departments and effective sharing of the information.
- To make the real time information clearly available to all the employees, clients and other stakeholders.
- To minimize redundancies by creating integrated databanks in a centralized data centre.
- To improve efficiency and effectiveness.
- To constantly improve organizational image.
- To achieve resource optimization.
- To exercise better management control.
- To get project wise details of different KPIs such as Profitability, Labor Cost, Material Cost, Timeline etc.

1.1 Site Offices

K-RIDE's project execution works are taken care of by its Corporate Office (CO) at Bangalore and has various Site Offices in and around Bangalore.

1.2 Functional Departments/Divisions

- Business Development (BDD)
- Planning & Monitoring (P&M)
- Consultancy and Engineering Division (C&E)
- Contracts
- Finance
- Information Technology

- Company Secretary (CS)
- Human Resources (HR)
- Legal
- Vigilance

1.3 Site Functional Departments/Divisions:

- Planning & Monitoring (P&M)
- Material Management (MMD)
- Information Technology
- Project Management (PMD)
- Quality Assurance (QAD)

2. IMPLEMENTATION

KRIDE will procure the ERP solution which would best meet its requirements and implement **the following functions**

a. Finance and accounts (FICO Module)
b. Project management (PS Module)
c. Human Resources, Payroll management and administration (HR Module)
d. Materials management (MM Module)

3. Functionalities

The broad and overall features and functionalities of various applications, ERP modules are indicated in Annexure – 1. These are only indicative. The Implementation Partner (IP) will be required to prepare SRS (System Requirement Specification) and understand the requirements through detailed discussions with the functionaries of various departments before undertaking the development / customization as the case may be.

The ERP -SAP application has to be implemented as per following standard implementation procedure viz:

i. AS-IS process study
ii. TO-BE design process
iii. Gap Analysis
iv. Functional Design Document – Identifying Customization Requirements
v. Development
vi. Individual module testing

vii. Integration Testing
viii. User Acceptance Testing
ix. Final Data Migration
x. Go-Live
xi. Stabilization

3.1 The Application Requirements

The system should be integrated with entire business processes of K-RIDE including E-Procurement solution for enterprise management. The implemented solution should have the required depth, breadth and flexibility to provide on-line information access to all the designated users who will operate the respective business processes and it must be accessible through Internet as per required restriction.

The solution will be, essentially characterized by the following features:

1. The solution should be user friendly and easy to use across various sites of K-RIDE.

2. The solution must be designed based on the various levels of access in line with the hierarchy of K-RIDE business processes.

3. System Should be able to support & Integrate with day to day Office Tools including Worksheets, Word Processing, Presentation etc.

4. Solution should have in-built report writing tools & does not require any third party tools for creating such reports.

5. Solution should provide users with the functionality of screen customization according to their personal preferences at User Interface level without any programming effort.

6. Solution should allow customizing fields properties. It should be possible to use these fields when we upgrade to future releases without any additional effort.

7. System should allow to add additional customized fields without affecting the application core for upgrade version.

8. Solution should support n^{th} level drill-down for a transaction and roll-up capabilities at all transaction levels. The drill down should work across all modules.

9. Solution should be able to interface with 3rd party application to or from each module.

10. Solution should support standard bar coding interfaces.

11. Solution should allow to edit the on line help and save the same so that organization specific policy details related to transaction are available to users online.

12. The functionality can be extended over web based on roles. The roles and functionality is configurable and customizable.

13. System Security
    a. Authentication and Secure Access to solution
    b. Configurable Function Access Control
    c. Configurable Data Access Control

14. Reporting Services
    a. Provide seamless integration of all the modules/ components
    b. Provide a system that delivers reports in the prescribed formats
    c. Provide the system that gives a hierarchical view of all type of information so that each officer can have its own view of data at each level of hierarchy. The level is defined as any of operational unit, namely subdivision, division, circle, zone or head office.

15. Support Workflow for various requests, review and approval required within various business processes.

16. Support ability to attach documents, spreadsheets, drawings, etc. at specific places on needs basis.

17. Alerts and Business Event Notifications that can be configured by system administrator and subscribed by end user.

18. Audit Trails & Archival should be an integral part of the system.

19. Provide the system that gives complete “drill down” of information required up to subdivision level for concerned business processes.

20. Solution should support multi-location offices.

21. Solution should provide authorization control at location / department / position level.

22. Designed SODs should have controls to manage authorization as per compliance norms of the organization.

23. Integration with other third-party software like E-Procurement, Ms-Project, Primavera, GIS etc Any SAP –tools /licenses required for integration should be mentioned by the bidder which will be procured from SAP directly by K-RIDE.

24. The solution must also provide for Reporting on analytical, strategic and operational aspects.

25. Solution should also have Implementation/Support tool, which is integrated seamlessly and will be used during the implementation life cycle to carry on the critical activities of the project.

3.2 Project Management

The Implementation Partner will be required to engage concurrent teams for timely completion of activities of different phases. The staffing and reporting hierarchy within the team should be clearly defined and communicated to K-RIDE. The activities to be performed are indicated below :-

1) The bidder shall designate a single point of contact for the project, for K-RIDE to interface with, on all project issues.

2) The bidder shall intimate the contact details including mobile numbers and e-mail address etc. to K-RIDE within two weeks of the letter of Award/ Intent.

3) The project team has to be available onsite and all the delivery will be done from onsite location (K-RIDE – Bangalore).

4) K-RIDE will provide the following infrastructure at its premises for the bidder's personnel:
    a. Seating space with furniture
    b. Computer with LAN connection facilitating access

5) Any additional equipment and/or product and/or accessories required by the bidder, will be the bidder's responsibility. All risks and costs related to such equipment(s) will be borne by the bidder.

6) The bidder shall provide K-RIDE with a work breakdown and project schedule for all activities specified in Scope of supply/work/maintenance/training of this Tender and any subsequent amendments and/or clarifications, within a week of the Letter of Award/ Intent.

7) IEEE standards should be followed wherever applicable during the implementation of the project. If there is no such standard or any other standard is to be followed, then the bidder should get his/ her template formally approved by K-RIDE before proceeding. Please attach a copy of any other standards which you intend to use with the technical response, if any.

8) The bidder shall ensure weekly project status reporting which will specify the following:
    a) Planned start date and end date for each activity
    b) Actual start date and end date for each activity
    c) Activities carried out in the previous week
    d) Activities planned for next week
    e) Activities which were planned for the previous week but could not be carried out.
    f) Any schedule slippages that have occurred, and corrective measures to bring the project back on schedule.
    g) Any information/ review pending from K-RIDE as on date, and date from which pending.
    h) Likely reviews by K-RIDE in the next fortnight
    i) Time required from K-RIDE in the next fortnight including details of person to be met, duration and agenda of meeting.
    j) Outstanding bug/ error count
    k) Follow up on pending issues/ action items of previous reviews
    l) Summary directing the highlights, lowlights and/or any important issues/points that should be brought out/ highlighted

9) The weekly status report will not be limited to software development only, but shall include and cover all activities which are to be carried out by the bidder for successful completion of the ERP -SAP software.

10) The weekly status report of the previous week should be handed over by the bidder's site official in hard copy to K-RIDE designated official by 1700 hours on the first working day of the week. The same should also be sent by e-mail to K-RIDE designated official every week.

11) The bidder's Project Manager shall have onsite fortnightly reviews in person with the K-RIDE nominated team every Tuesday morning (or the next working day, in the event of Tuesday being a holiday) from 10 AM to 11 AM or at the date, time and venue notified by K-RIDE. All action points will be recorded and followed up in the successive review meeting.

12) All working days will be with reference to the K-RIDE calendar.

13) The Implementation Partner shall provide comprehensive warranty of all the modules delivered during the project. It shall be 3 months for every such deliverable from the date of its successful acceptance.

3.3 Project team

1) Detailed Resumes of all team members with experience relevant to the project shall be submitted within a week of the Letter of award/ intent as per table given below.

2) The team and/or each team member shall commence the work only after prior formal approval by K-RIDE and the team once identified shall be dedicated to the project and will not be changed unless requested by K-RIDE and/or with K-RIDE's written consent.

3) People for the following roles with minimum 3 years' experience in EPC/PMC/Infrastructure /Real estate should be available on site.
   1. Project Management
   2. Functional consultant like as HR/FICO/PS/MM/.

3.4 Implementation Milestones

The implementation schedule should not exceed the period of 12 months within which all the four modules indicated herein must be completed. The Implementation Partner will be required to deploy concurrent teams to work on different activities to ensure timely completion of the project. The activities wise suggested schedule is given below. Bidders however are free to suggest delivery and phased completion schedules based on their understanding of the project activities. It would, however, be ensured that the schedules so arrived at must adhere to the desired overall timeframe of 12 months.

The Implementation Partner will submit to K-RIDE the Project Plan in a fortnight from the date of LOI/work order and in consultation with K-RIDE finalize it and mobilize resources for starting the project within 21 working days of issue of LoA.

Event	Time line
Submission of the Security Deposit/PBG and Signing of the contract	Within Twenty Eight days of issue of LoA (Letter of Award) to the successful bidder
Starting of the project by deploying the key profile like project manager and functional consultants at onsite (K-RIDE Bangalore) location	Within twenty-one days of signing the contract
Go live	Within twelve months of signing the contract
Hypercare Support (With all onsite team)	For a period of three months after the go-live date
Application Management Contract (AMC)	For a period of one year after completion of Hypercare Support

3.5 Scope of work

i. Installation & implementation of necessary applications for SAP HR – Human Resources Management including Payroll, FICO – Financial & Accounting Module, PS - Project Systems & MM - Materials Management.

ii. Design and deploy the required solution in line with K-RIDE business process and provide end-user training for all the site locations.

iii. Implement necessary changes in the existing implemented modules as per the need of business and gaps identified.

iv. Provide detailed documentation for system design & configuration, user manuals, technical specification, functional specification and test scripts.

v. Identification of the customization needs to match with K-RIDE's requirements including addition of new reports, change management and provide necessary documentation including effort required for the same.

vi. The Implementation Partner shall implement all required upgrades, patches, bug fixes and notes etc. until the end of support period.

vii. The Implementation Partner will give adequate training at all locations to different personnel at various levels of the organization.

viii. Hardware and Networking are not included in the scope of work; however the

bidder should do sizing of Hardware and necessary networking equipment to support different project locations of K-RIDE.

ix. Data migration will take place from the current system to proposed ERP-SAP.

x. K-RIDE shall use the existing standard functionality of the ERP –SAP solution as far as possible, and shall make all efforts to avoid making any modifications to the software as they affect support of the product and also hinder the future upgrade paths.

xi. The support for implemented solution has to be provided in 2 stages as mentioned below:

Type of Support	Duration	Engagement
Hypercare Support	3 Months after the Go-Live period	Onsite Only
Application Management Contract	1 Year after the Hypercare Support	Onsite-Offshore

xii. For Hypercare Support at least 1 consultant of each functional module has to be available onsite.

xiii. For Application Management Contract, 1 senior consultant with PS experience has to be available.

xiv. K-RIDE may also ask for onsite deputation of any specific resource for certain period during the support and the vendor has to provide the same within 21 working days on the agreed man-day rate in the contract.

xv. K-RIDE normally executes the following types of projects:

1. Item rate Contract
2. Percentage Rate Contract
3. Lump Sum Contract
4. Turnkey Contract
5. Deposit Works
6. Project Management Consultancy (PMC)

Bidder need to configure all the types of projects in system and integrate them with all the other functions like Financial Accounting, Materials Management etc. System will be declared live once at least 1 project from each of the above project types configured and migrated in SAP. Bidder is also required to develop a data migration plan along with K-RIDE to finalize the data elements to be migrated which should contain items

like project BOQ, progress till date, Balance work quantities, contractor wise work orders etc. Relevant data to be migrated will be provided by K-RIDE users.

xvi. All legacy data of K-RIDE needs to be migrated by the successful bidder within one month after system go live as defined above

xvii. K-RIDE will require 30 end user licenses during the implementation period. Bidders needs to procure and supply the 30 user licenses

3.6 The project will have the following deliverables:

1. The bidder should provide System Administration manual(s), User / operational manual(s) and all related manual(s), service guides and handbooks, which shall be used by K-RIDE to run the ideal production environment. This should include how the various parameters should be monitored and tuned in the live system.

2. All installation and configuration reports, documents, diagrams etc are to be supplied before commissioning.

3. Two sets of above specified manuals should be provided in printed duly hard bounded form and 2 sets in soft copy on CD should be provided.

4. System manual (High Level Design Document (HLDD), Detailed Design Document (DDD))

5. System Requirement Specification (SRS), AS-IS Study, Mapping TO-BE Study, Functional Design Document (FDD), Gap Analysis Document.

6. Project Management Plan.

7. High Level Design Document/ System Design Document

8. Detailed Design along with Database Design Document

9. User Manual(s), Technical Manual(s), Troubleshooting Guide, Helpdesk Manual etc.

10. Test Cases, Test Data, Test Scripts, Test Plans and Results (Unit Testing, Integration Testing, System Testing, performance testing, load testing, stress testing, penetration testing etc)

3.7 Scope of Maintenance and Support

Performance standard and Service Level parameters

i) The bidder will provide on-site comprehensive warranty maintenance for both baseline products and application software supplied by them during the maintenance period.

ii) The on-site comprehensive warranty maintenance would include:
   a) Adaptive Maintenance
   b) Perfective Maintenance
   c) Corrective Maintenance
   d) Emergency Maintenance
   e) Preventive Maintenance

iii) A schedule will be drawn up for preventive, adaptive and perfective maintenance during the fortnightly project status review between K-RIDE and the bidder.

iv) All the supplied products shall be maintained by the Implementation Partner and not by the OEMs during the warranty and maintenance period.

v) The scope of maintenance includes acquisition and installation of upgrades/ patches/revisions on the supplied products. It includes porting the application, renewal of licenses and data migration to accommodate upgrades/ patches/ revisions etc. of the supplied products.

vi) K-RIDE will permit the Implementation Partner to implement software updates and new version releases during the currency of the contract provided, that the new release does not adversely affect systems operation or performance, or require extensive reworking of the systems. In case where the new version release adversely affects the systems performance, the period for implementation of the new version shall be suitably extended and the Implementation Partner shall continue to support and maintain the version currently in production for as long as necessary to properly implement the new version.

vii) The scope also includes making necessary changes and enhancement required by K-RIDE.

viii) Notification of all bugs or enhancement requests will be logged onto the bidder's bug reporting site and sent by e-mail, or delivered by hard copy (Fax etc) to the bidder's Project Manager by K-RIDE (the format for details of bugs can be decided by bidder after discussion and approval of K-RIDE).

ix) All maintenance will be carried out at K-RIDE premises or as decided mutually between K-RIDE and the bidder on a case to case basis. The bidder may have to keep provision for a scaled down version of the system to facilitate debugging at K-RIDE premises. No debugging shall be carried out on the live production system.

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The bugs will be categorized as follows:

i. 1-Critical: The defect results in the failure of the complete or major software system, and/or of a subsystem, and/or of a software unit (program or module) within the system and the system is not available at present.

ii. 2-Major: The defect results in the failure of the complete software system, and/or of a subsystem, and/or of a software unit (program or module) within the system. There is no way to make the failed component(s) work completely; however, there are acceptable processing alternatives which will yield the desired result

iii. 3-Average: The defect does not result in a failure, but causes the system to produce incorrect, incomplete, or inconsistent results, or the defect impairs the system usability.

iv. 4-Minor: The defect does not cause a failure, does not impair usability, and the desired processing results are easily obtained by working around defect.

v. 5-Execption: The defect is the result of non-conformance to a standard, is related to aesthetics of the system, or is a request for an enhancement. Defects at this level may be deferred or ignored.

vi. All on-site comprehensive warranty maintenance work, where the severity of the bug is 1 or 2 (as per categorization in acceptance criteria above), is to be carried out within 24 hours of reporting the problem, for 95% of the bugs reported.

vii. All on-site comprehensive warranty maintenance work, where the severity of the bug is 3 or 4 (as per categorization in acceptance criteria above) is to be carried out within 48 hours of reporting the problem, for 95% of the bugs reported.

viii. In case delay of resolution beyond the time limit mentioned above, Liquidated Damages (LD) clause shall be applicable as mentioned in section 7B of Special terms & conditions.

3.8 Scope of Training

i. Imparting different levels training which includes training for Functional Core Users, Technical Core Users, End-Users. Top Management, Train the trainer, Change Management etc at Corporate office including site offices in Bangalore. The training will be as per the convenience and discretion of K-RIDE.

ii. The Implementation Partner shall provide the training at K-RIDE on working days between 10.00 AM to 05.00 PM only. Training should include End-user training for all modules implemented.

iii. All training shall be conducted as instructor-led training and should have at least 50% time as hands-on training.

iv. 1 Week of training for each module is necessary to be provided by the bidder.

v. User level trainings might have to be conducted at all site offices with no extra cost.

vi. The bidder will provide soft copies (three sets) of all training material and course material to enable K-RIDE to conduct further training to its staff/ users, if required at a later point.

vii. The bidder will provide each participant with a copy of the training material. This material should be approved by K-RIDE at least 2 days prior to start to the course/ training.

viii. Training should include functional training, training on the base product and system / database administration activities.

ix. The bidder shall provide a detailed training plan to K-RIDE, before the commencement of the training :-

   a. Infrastructure required for each training
   b. Course material being provided for each training
   c. Feedback mechanism for trainer.
   d. Evaluation mechanism for trainee

x. K-RIDE will provide necessary infrastructure to conduct the training.

xi. Bidder to provide certificate level training to the core team users.

xii. Bidder needs to provide user training

3.9 Review Mechanism

The review mechanism for all documents and training material will be as follows:

a) The document will be provided to the K-RIDE Project Manager (PM) before the review at least 7 days in advance.

b) K-RIDE stakeholders committee will review the document and the committee may ask for additional information or changes.

c) K-RIDE will issue a formal acceptance of the document subject to above reviews.

4.0 Audit of implemented solution

K-RIDE reserves the right to carry out audit of the implemented solution through any other certified agency designated by K-RIDE during support period. Based on its recommendation, Implementation Partner shall take necessary corrective measures to comply the performance parameters stipulated in the Tender document. Any deficiencies pointed out after technical audit and agreed by K-RIDE, shall be rectified by the Contractor without additional cost within 45 days of the agreed audit report.

4.1 Acceptance Criteria

1. The acceptance plan will be drawn up by K-RIDE and Implementation Partner within 3 weeks of signing of the contract.

2. All acceptances by K-RIDE will be given in writing.

3. The acceptance criteria for various deliverables is as follow:

    a) Document Delivery: Review Comments incorporated and sign off by K-RIDE.

    b) Code delivery: No errors of type 1,2,3 and sign off by K-RIDE after code review and testing.

    c) Data: Accuracy and completeness as specified by K-RIDE.

    d) Full Features and Integration testing as per scope of Work.

e) Training: Review comments on training material incorporated and satisfactory course feedback.

4. Acceptance criteria for any other activity not covered by this document, will be decided between K-RIDE and Implementation Partner in their fortnightly status review meetings and then will be signed off by K-RIDE.

4.2 Service Level Agreement (SLA)

The bidder should submit the Service Level Agreement (SLA) in line with the TENDER terms and conditions including but not limited to the following contents within 3 weeks of Letter of Award/ Intent

i. Service availability with defined application availability
ii. Data Load and Contingency Plan
iii. Data Back-up
iv. Problem Management and Problem Reporting
v. Problem Escalation
vi. Work Requests Life Cycle
vii. Reporting Metrics
viii. Measurement & Reporting Tools
ix. Review of Performance
x. Maximum time to repair

Annexure -1 : Functional Requirement Specifications

1. Finance & Accounts

Sr. No.	FRS - Finance & Accounts
1	The access shall only be provided to authenticated and authorised users.
2	Flexibility to define fiscal year including start month and end month
3	Ability to define 12 periods / month within fiscal year
4	Provision for separate logical periods for the purpose of annual closing activities
5	Multiple sets of same books of accounts are permitted.
6	Allows closing of fiscal periods to restrict transaction posting.
7	Allows to keep multiple periods open across financial years or within financial year
8	Ability to reopen closed period, subject to valid authorization.
9	Ability to define exchange rates within multiple currencies vis-à-vis base currency.
10	Flexibility options for posting of these differences meet criteria defined by the Indian Accounting Standards
11	Ability to draw complete set of books of accounts such as profit and loss account, balance sheet for the legal entity, each Authority, zone etc.
12	Availability of various document types for different financial transaction
13	Availability of system generated numbering for the documents
14	Availability of option of manual numbering for certain documents
15	Numbering sequence for all documents is reset per fiscal year.
16	Flexibility to control posting to specific ledger accounts with specific documents
17	Flexibility to date formats, number formats per user.
18	Record and tracking of audit objections and corrective actions taken
19	Reconciliation of all units in the field and head office
20	Support definition of Organization structure as legal entity, its divisional offices, Regional, circles etc.
21	Support definition of country, regions, sub-regions to meet legal requirements such as GST, state taxes and local corporation taxes & duties

Sr. No.	FRS - Finance & Accounts
22	The system shall provide security mechanisms to ensure confidentiality of documents in electronic format.
23	The scanned copies of submitted bills and other documents shall be kept with high standards of security for record-keeping and audit.
24	Receipt of electronic submissions, including the date and time of submission, shall be acknowledged immediately, and shall also be sent electronically
25	The system shall enable creation of detailed reports based on the various parameters as per the requirement. These reports shall be available at the click of a button.
26	The system shall enable exporting these reports in different formats like Doc, .xls, .pdf etc. or as desired by the user
27	The system shall have provision for alerts to be automatically raised, as defined by the process requirement and sent to the concerned recipients by email/SMS. These alerts can be of confirmation, status update or escalation.
28	The system shall enable definition of workflow for the process and easy configuration of user interface by the administrator
29	The system shall allow raising of invoice and options to upload scanned documents.
30	The system will provide templates for raising the invoice to the for different types of work:
31	i. Mobilization advance
32	ii. Provisional Payment
33	iii. Payment against Measurement Book
34	iv. Final payment
35	v. Payment against Price variation etc
36	All the invoices will be raised by the Contractor. All the invoices will be raised through the system.
37	The system shall aid in generating the invoices by fetching the rates from the contract and the quantity from the measurement book.
38	The system shall confirm whether the bill is approved by the competent authority.
39	System shall allow authorised users to access invoices, approved rates, quantities, required certificates, RFI etc. to check/validate invoice manually.

Sr. No.	FRS - Finance & Accounts
40	System shall have option for mobilization advance payments, recovery, with holding of payment etc.
41	Project Manager shall be provided option to issue certificates related to work completion etc.
42	System should have provision to manage Bills/ vouchers, available with Finance Department for record keeping. All these documents should be available in form of invoices in system.
43	Once approved by the competent authority, the system shall make necessary entries in the books of accounts
44	Once accounting entries are made, the system shall allow the payment process. System should provide provision to Banking Official of Finance for selecting mode of payment with suggestion for selection of these modes based on account details available in Invoice. Following modes should be available for payment.
45	i. Payment Advice
46	ii. NEFT
47	iii. RTGS
48	iv. Cheque
49	System should be able to auto generate the payment instruction file; Competent Authority should be able to review the auto generated file and should be able to edit the file if required.
50	System should provide provision to make payments through cheques also.
51	Cheques should be printed through System and System should provide provision for digital signature by the Competent Authority. There should also be a provision to assign a system generated number on the cheque.
52	System should generate a list of payment based on Printed cheques, which should be reviewed and reconciled with the bank statement received online/ in soft copy.
53	System should provide provision to make payments to all government organizations, statutory authorities for, GST, labour cess etc.
54	After payments, mode of payment/reference numbers are captured along with the paid bills/vouchers for record keeping and system also gets updated with these details/reference numbers.
55	System shall provide overriding authority to select authorized official to overrule FIFO method, but mandatorily ask for the reason for the same

Sr. No.	FRS - Finance & Accounts
56	System shall also support exception scenario such as cheque revalidation, cancellation, duplicate cheque printing, etc.
57	System shall send reconciliation statements to concerned officials as defined by rules.
58	System shall facilitate the user in matching of the cheque issued/ ECS or NEFT Transaction Id against the cheque realized/ ECS or NEFT executed based on the information received from the bank. Provision shall be made to receive statement from the bank in the soft format through the portal and do auto reconciliation.
59	The system should be able to categorise project based on the funding agency and should provide the statements needed by these agencies to support the demand of funds.
60	System should be able to generate project wise Report for
	i. Expenditure during the year till date of demand including management fees and common expenses (pro rata booking of common expenditure)
	ii. Revised/ Latest estimated cost of project (including expected Price variation)
	iii. Status of physical progress of the project
	iv. Revised completion target
	v. Management fees as per agreement
61	System should be able to calculate balance funds available for project expenditure.
62	Contractor should be able to furnish Details of Insurance and Bank Guarantee (BG) in a pre- defined format through the System and original documents should be submitted to finance department of boards.
63	System should be able to check whether Insurance and BG are as per contract terms and conditions e.g. amount, date of validity, Project name, number & location, date of submission of documents etc. The system shall auto assign the Bank Guarantee to respective project.
64	System should provide provision to Project Manager/Project director for verification and approval of details of Bank Guarantee (BG) and Insurance documents.
65	System should provide the checklist for verification for the same.
66	System should provide provision to the Contractor to make covering letter for BG with the help of templates available in the System.

Sr. No.	FRS - Finance & Accounts
67	After pre-screening, in case of BG, System should be able to record the confirmation about genuineness of BG with relevant details. System should provide provision to finance official for file confirmation letter received from bank in case of BG and upload scanned copy of letter on system.
68	System should provide intimation (email) to Finance Official and concerned project manager before 2 months of expiration of BG or Insurance. Also, in case of BG intimation goes to Bank as well.
69	System should provide provision for approval of extension Request of BG.
70	The System should provide for the following Global settings to be defined for Finance and Accounts
71	Accounting Structure:
	The system should be able to capture common expenditure pertaining to projects like:
	i. Distribution of common expenses between/among projects and then sub-heads.
	ii. Distribution of management fee being changes on the projects as per the specified percentages on those specific projects.
	iii. Calculation of depreciation on assets on any specific date may be provided by the system.
	iv. The assets should be linked with the user
	v. All dues/outstanding of any customer/contractor/Bidder and employee should be available on a single window as status at any point of time.
72	Ability to define Legal entity, HQ, Regional boards, other units etc. with automatic General Ledger level consolidation
73	Ability to support flexible Chart of Accounts design for capturing information to meet various reporting and analysis requirements of KRIDE without duplication of data.
74	Ability to view & maintain the chart of accounts online with the provision to prevent deletion of any data.
75	Ability to define rules that ensures validity of various combinations of chart of accounts.
76	Set up security by various user groups to restrict access for those account ranges that belong to a different departments/groups

Sr. No.	FRS - Finance & Accounts
77	Account level security by user should be available. e.g.: The system should restrict user entering or reviewing balances for certain account or range of account
78	Ability to restrict an account posting to a specific cost center or project etc.
79	Ability to create account only for budgeting purposes and for limited periods.
80	Centralized account maintenance capability. This will ensure that any addition or change in the account code in the master chart of account will be available automatically in all the ledgers/books.
81	Ability to group the accounts by different types (user defined) e.g. assets, liabilities, etc.
82	Ability to define more than one Chart of Accounts, if required by KRIDE
83	Ability to support multiple GAAP representations to meet statutory and regulatory requirements.
84	Ability to assign an activity status to accounts (e.g. active, inactive)
85	Ability to retrieve an account master record via account alias
86	The System should be able to handle creation, edit and deletion of Voucher entries for Ledger Accounting. The following Accounting Vouchers would get automatically maintained:
87	i. Journal Voucher (requires Plan head, Source of fund, Name of project, Head of expenditure, Ledger heads) (Plan Head, source of fund, Name of Project combined makes a cost centre)
88	ii. Payment Voucher
89	iii. Receipt Voucher
90	The System should be able to generate Expenditure statements of regional boards along with the comparison with budget.
91	The System should be able to convert Bank Statement extracts to relevant Ledger entries within its database
92	The System should be able to handle reconciliation of Debit & Credit entries
93	The System should be able to generate the Bank Reconciliation Report
94	System should be able to provide approved invoice/bills with uploaded supported documents by different departments of KRIDE.
95	System should be able to capture expenditure details of boards with supported documents/vouchers on weekly basis.

Sr. No.	FRS - Finance & Accounts
96	Based on expenditure details received from boards and approved invoice/bills, System should be able to maintain following Accounting Vouchers (voucher entries performed) for Accounting:
97	i. Journal Voucher (requires Plan head, Source of fund, Name of project, Head of expenditure, Ledger heads) (Plan Head, source of fund, Name of Project combined makes a cost centre)
98	ii. Payment Voucher
99	iii. Receipt Voucher
100	System should be able to take care for following validations while making Voucher entries:
101	System should be able to calculate correct deduction of statutory dues.
102	System should be able to take care of proper head of allocation according to chart of accounts is written on it.
103	System should be able to provide voucher details with supported bills/challan/office order for payment.
104	System should provide Vouchers related to payment in following voucher types:
105	i. Cheque Pay Voucher (For electronic cheque printing)
106	ii. Payment – Head Office (HO) (For manual cheques)
107	iii. Payment RTGS (For funds transfer, where account of beneficiary is in any bank other than transferor bank)
108	iv. Payment Advice (Funds transfer to accounts of beneficiary, where account is maintained in same bank)
109	The system shall allow execution of the payment process for online transfer of money (RTGS, NEFT). An electronic payment advice would be generated by the System which will be sent to the Bank
110	System should be able to check that every entry should pass in such a way that every credit and debit to a party/employee can be traced with the entry.
111	The system should provide the facility prints would be taken from the System of the electronic vouchers along with their supporting vouchers and would be kept in the space provided by KRIDE
112	In System, The Chart of Accounts should also accompany by a scheme of cost centres that helps to identify expenses on a project and branch.
113	After making posting entries on respective Ledger heads, System should send vouchers online to concerned official for payment. System should be able to

Sr. No.	FRS - Finance & Accounts
	make payments related to PIUs/branches directly, after payments entries are passed in System.
114	The System should be able to extract Ledger Account entries for Trial Balance
115	The system shall alert the concern F & A official on predefined time to perform trial balance.
116	The system shall send alert to all concern approval authorities for finalization of accounts
117	The system shall prepare financial statement of 3, 6 and 9 months.
118	The System should be able to initiate Audit of Accounts and capture results of the Audit
119	The System should allow revision of Ledger Accounts data for Financial Statements preparation
120	The System should be able to trigger approval workflows for Finalization of Accounts
121	The system will generate summarized Financial statements
122	System should be able to maintain an Accounts Receivable master record with the following details:
	i. Customer Code
	ii. Customer Name
	iii. Customer Address
	iv. Customer phone no.
	v. Customer e-mail id
	vi. Customer Credit
	vii. Customer payment terms
	viii. Customer Bank Account details
	ix. Prior Payment History
	x. Description
	xi. Invoice Number and Date
123	Should be able to generate Invoices for a customer/service based on automatic capture of data
124	Should generate receipt for cash / check payments

Sr. No.	FRS - Finance & Accounts
125	Should generate reports on Ageing analysis for payments due
126	Should be able to separate the creation and approval of customer invoices and modifications
127	Should be able to account for cash receipts
128	Should display the account balances for customer
129	Should be able to reverse Invoices
130	Should be able to generate a list of inactive customers and then delete it after necessary approval
131	Should be able to reprint invoices
132	Should be able to do accounting of Invoice & realizations in foreign currency
133	Should be able to calculate interest on overdue balances as it may be specified by the user
134	Should have the provision of trail balance, aging reports and accounts receivables action reports
135	Should be able to allocate cash receipts to invoices including the ability to hold unallocated reports
136	Should be able to analyse customer payment performance
137	Should maintain a Payables register with the following entirely:
	i. Invoice Number ii. Date of receipt iii. Amount
	iv. Date sent for approval
	v. Person sent for approval
	vi. Approval receipt date (later)
	vii. Transmittal number (later)
138	Should be able to perform centralized receipt and payment of invoices
139	Should provide:
	i. invoice register facilities
	ii. certification of invoice values
140	Should update General Ledger: - i. at the time of bill passing
	ii. at the time of approval of GRN
	iii. Service receipts in case of service type payment

Sr. No.	FRS - Finance & Accounts
141	Should enforce additional check for verification for period specified invoices
142	Should alert at the time of invoice receipt and entry as to whether the invoice is duplicate
143	Should be able to reference GRN under which the items were received
144	In case of a service contract, should be able to provide a unique reference
145	Should check for duplicate Bidder invoice numbers
146	Should be able to copy details automatically from the purchase order to the invoice
147	Should be able to edit copied details from the purchase order
148	Should be able to customize cheque printing format
149	Should be able to process credit notes
150	Should be able to process invoices with both debit and credit lines
151	Should be able to process more than one accounting period typically previous and future periods
152	Should be able to handle accruals with automatic reversal in the next period
153	Should be able to match invoices to goods and services received which have generated, on receipt, an accrued liability
154	Should be able to search by:
	i. supplier name
	ii. supplier short name iii. post code
	iv. invoice number
	v. invoice reference
	vi. purchase order number vii. cheque number
	viii. transaction date
	ix. transaction value
	x. other please specify
155	Should be able to process unmatched GRN at the end of any date/month
156	Should be able to check with payment-terms of PO to get schedule of payment on respective date.

Sr. No.	FRS - Finance & Accounts
157	Should be able to provide screen vision of receipts of imported materials/Equipment/ Eng.-spares before passing bills of clearing-agents.
158	Should generate liability statement for transporters invoices as against materials already received by KRIDE
159	Should be able to maintain open items in both local and foreign currency
160	Should be able to maintain standard currency exchange rates for each foreign currency
161	Should be able to handle multiple standard exchange rates for a given currency based upon effective dates
162	All postings and account balances should be maintained in both local currency and user- defined foreign currencies
163	Should be able to calculate foreign exchange gains/losses
164	Should generate numbers to Vouchers automatically
165	Should be able to process manual cheques
166	Should be able to display manual cheques appear on the cheque register
167	Should be able to do automatic processing of recurring payment transactions
168	Should maintain project codes, contract codes, and job codes or assigned cost centres.
169	Should be able to maintain task codes or activity codes assigned within projects.
170	System shall allow user to define various budget heads and allow grouping of budget heads. Capital Budget and Revenue budget heads should be provided.
171	Should be able to create and maintain accounts and account information on-line
172	Should be able to delete inactive accounts in-line if date of last activity is in the prior year and the account balance is zero
173	Should be able to create memo accounts for collecting non-financial statistical information
174	Should be able to make multiple accounting periods to be open at one time
175	Should be able to post pre-payments like depreciation, internal charges for manpower, fixed assets depreciation, etc.
176	Should be able to post adjustments to prior year

Sr. No.	FRS - Finance & Accounts
177	Should be able to segregate expense accounts by Cost/Profit center, department, Corridor and Contract & contractor
178	Should be able to set starting and ending period/year for recurring entries
179	Should be able to close a batch of journal entry transactions that is not balanced
180	Should be able to create automatic recurring journal entries
181	Should be able to carry out reversal of journal entries
182	Should be able to post journal entries in batch
183	Should be able to sort information from a header record in each transaction
184	Should be able to repeat details from the previous journal (e.g. date, description)
	while at the same time preventing duplication of journal entry
185	Should be able to debit or credit a control account by the same journal Voucher
186	Should be able to enter description for each detail line of a journal
187	Should not be able to post balances without an associated transaction
188	Should be able to create multiple batches of journal entry at one time
189	Should be able to automatically accept and post journal entries from Account
	Payable, Accounts Receivable, etc.
190	Should have unique number for each journal entry
191	Should prevent duplicate posting to the same account
192	Should be able to check before a period close that all the vouchers have been authorized and posted and Should give a warning if some unauthorized /un-posted voucher remains in the system
193	Should ensure at year-end close that all entries are in balance and that all periods have been closed
194	Should be able to automatically post accrual/reversal entries after closing Should automatically roll-up detail accounts to summary accounts
195	Should be able to calculate and maintain current, prior, and previous year comparative information
196	Should be able to generate Bank Payment vouchers based on these settlement expenses

Sr. No.	FRS - Finance & Accounts
197	Should be able to generate Cash Payment vouchers based on these settlement expenses
198	Should be able to maintain Bank required formats for Employee payment advice
199	Should be able to generate unlimited number of financial reports for balance sheet, income statement, supporting schedule, cash flow and other specific account analysis
200	Should be able to perform statistical calculations such as percent to total, or other statistical analysis of accounts
201	Should be able to specify the contents of each column with no restriction i.e. current month, current budget, year to date, budget to date, last year to date
202	Should be able to capture petty cash transactions in different locations on areal time basis
203	Should be able to add and maintain the cheque book No. issued by the bank
204	Should have provision for classification of expenses, grouping at various levels, grouping at various criteria
205	Should provide for capturing expenses based on activities
206	Should provide comparisons across periods and automatically analyse variances
207	Should take depreciation entries from the fixed assets module and allocate depreciation to multiple levels up to the cost center/unit defined
208	Should allow for multiple cycles of allocating overheads, iterative allocation and multiple basis for allocation
209	Should be possible to generate reports which segregate between direct and allocated expenses
210	The system should provide for budgeting at a level which may be the profit-center (at the lowest level) or any consolidation level of profit centres
211	In addition to the profit-center budgets, the system should provide for the overhead expense, Capital expense, Depreciation budgets and grants and finance charges
212	The system should provide budgeting based on previous period budgets/ actuals and historic trends
213	The system should maintain the following asset information
	Asset number and extension number

Sr. No.	FRS - Finance & Accounts
	Asset Description
	Financial Information viz. Original Cost, YTD Depreciation, Cumulative Depreciation
	service date
	Asset location
	Asset category
	Asset classifications (user defined)
	Flag assets as depreciable and non-depreciable
	Procurement (Bidder, PO, invoice, project) information
	Depreciation method
	Insurance Warranty details
	Asset disposition date and value
	Tax basis by disposal value
214	The system should provide projects current year's depreciation by cost center as well as adding a future year's capital budget; then projects the future year's depreciation by cost center
215	Captures asset data such as A/P reference, date of purchase, and cost
216	Records the tax cost at the time of the acquisition by using a percentage of the asset cost
217	Expense account for G/L depreciation
218	Tracks asset transfers between different locations
219	Tracks both the book and tax depreciation balance at the date of its transfer
220	Provides depreciation calculation results for current and future year /period
221	Assets may be tracked by parent/child relationships
222	Assets can be tracked by asset number, description, type, tag number, CITY, SPECIFIC location IN THE OFFICE, PO, invoice number, or lease. Also, tracking of some assets by employee.
223	Creates unique asset tag numbers by using tag controls
224	Automatic update of the G/L accounts at end of period (on monthly basis)
225	Supports project WIP (work in Progress) (Capitalization) transactions

Sr. No.	FRS - Finance & Accounts
226	Ability to process physical count transaction
227	Workflow capabilities exist for approval routing
228	Ability to renumber a fixed asset, without losing its historical transactions and information
229	Depreciation based on different depreciation methods (Straight Line Method is a requirement)
230	Automatic update of the G/L accounts
231	Review depreciation expenses
232	Ability to calculate depreciation with retroactive beginning date and for future periods
233	Ability to restart depreciation of a retired fixed asset after extending its life due to additions or maintenance
234	Designates adjustments as amortizations or expenses to cost, depreciation method, production capacity, or salvage value
235	Maintains up-to-date data on depreciation for a group of assets
236	Multiple asset retirement options based on period, cost, with trade-ins, etc.
237	Allow Retirement functionality such as
	Fully retired
	Partially retired
	Retire by cost
	suspend depreciation for period or multiple periods
238	Allow Flexible asset depreciation calendars
239	Depreciation may be calculated year-to-date or period-by-period
240	User defined depreciation rates OR can be rules-based.
241	User-defined prorate conventions and retirement conventions
242	Standard and user-defined depreciation calculations
243	Straight-line, declining balance, sum of year's digits, units of production, and flat rate depreciation methods etc.
244	Allow to conduct asset transactions and reconciliations among multiple companies and/or divisions
245	Flexible parameters for depreciation books

Sr. No.	FRS - Finance & Accounts
246	Any number of assets can be listed in depreciation books
247	Any number of fiscal periods or calendars can be listed in depreciation books
248	Reports transfers between company and divisions in individual reports and consolidated reports
249	Enters and tracks expensed items for property control
250	Automatic end-of-period updates to G/L
251	Year wise receipt & utilization of funds (Consolidated)
252	Estimates for funds & expenditures as on date / year
253	Summary of expenditure on Projects
254	Head wise breakup of actual expenditure incurred on projects during the year
255	Month wise / Year wise expenditure status with percentage
256	Project Expenditure summary
257	Statement of year wise approved outlay
258	Statement of bonus paid for yearly completion of projects
259	Break up of Project Expenditure
260	Ability to produce the following financial reports in multiple level and for a user-defined period (for the month, year to date), but should not be limited to:
	• schedules or more as per annexure to balance sheet
	• Profit and loss account
	• Analysis of Profit and Loss account
	• Analysis of operating expenses
	• Balance sheet
	• Analysis of Balance Sheet
	• Trial Balance
	• Cash flow statement
	• Notes to the financial accounts (account breakdowns)
	• Composite ledger
	• Activity ledger
	• Maintenance ledger

Sr. No.	FRS - Finance & Accounts
	• Expenditure type ledger
	• Nature of expenditure
	• Subsidiary ledgers such as contracts, employees, parties, fixed deposit
261	Should be able to generate exceptional report (e.g) Debits having credit balance, negative ledgers, negative stock, overdue receivables, overdue payables)

2. Project Management

S.No	RFP Particulars Project Management
1	Can project initiation approval process be created,
	planned, managed and tracked in the system?
2	Can different types of project lifecycle be defined and
	managed in the system with specific project plans including detailed processes, timelines etc.?
3	Can information regarding the constitution of project
	management organization (PMO) for the project be made available in the system to all concerned departments/functions?
4	Can individuals/team(s) be formed and allocated to the project activities in the system by various departments?
5	Can a high level project charter be defined, managed
	and made available in the system which broadly covers information such as, project background and introduction, scope of work, major activities/components and their description, timelines
6	Can different project templates be stored in the system
7	Can various project activities be grouped at multiple
	levels in the system?
8	Can activity dependencies and critical path be identified
	and managed in the system?
9	Can the system use the skill set and other HR related
	details to facilitate allocation of manpower to project team?

S.No	RFP Particulars Project Management
10	Can project team prepare cost estimate
11	Can project related and reference data be made available to the project team and the other stake
	holders across locations
12	Can project related details consisting resource
	utilization, expenses, progress, deviation, incidents etc. be made by project team
13	Based on the above information, can the project
	activities, resources, cost and progress be monitored and controlled centrally
	Equipment Planning:
	Can standardized equipment list such as, Capital construction equipment, Light construction equipment, Transport vehicles etc. be made available in the system?
	Measurement & Payment:
14	Can measurement book be created and maintained in
	the system in a user defined manner for capturing
	execution details of the project?
15	* Can measurements entered in the system be validated
	by authorized K-RIDE personnel as per Delegation of power (DOP) and accepted by authorized contractors‟ personnel?
16	Can payment invoice be created as per approved DOP
	in the system with reference to measurement books?
17	Can all material requisitions by contractor be entered
	and tracked in the system and contractual terms and conditions compared with norms available in the system and alerts generated in case of deviations?
18	Can the recoveries be estimated based on materials
	issued and linked to payment invoice?
19	Can claims made by contractors be managed and
	tracked in the system?
20	Can payments made to the contractor during the

S.No	RFP Particulars Project Management
	specified period be compared across various periods and linked to progress of work?
21	Can deviations alerts be generated from the system?
22	Can the schedule and customer deviations be updated
	and approved as per DOP?
23	Can penalties be imposed on contractors due to delays or slippages in the contractual milestone as per the contract agreement?
24	Can alerts be generated on delay in payment of invoice
25	Can change orders be created and tracked in the
	system in case there is change in the scope of work/
	design?
26	Can insurance and bank guarantees be tracked in the
	system against a contract?
27	Can amendments in quantity to be executed be made in
	the contract?
	Progress Monitoring & Reporting:
28	Can data regarding package-wise daily progress report
	be entered and made available in the system?
29	Can weekly, monthly, quarterly, year to date expenses incurred be entered and compared with the planned costs?
30	Can a management dash board highlighting the critical
	activities and issues of the project be created, maintained and accessed in the system and alerts be generated in case of delays/devations?
31	Can variations from schedules/ networks be identified at
	activity level and alerts at defined terms are generated?
32	Can time, material, resource utilization and cost
	Information be made available in order to check the possibility of overrun, if any and special report generated in such cases?
33	Can information pertaining to periodic progress, material and resources usage, planned and actual expenses as entered by Project be made available for

S.No	RFP Particulars Project Management
	generation of exception/standard reports
	***Managing Customer Contracts**
	The functionalities of the ERP system will provide the users at K-RIDE the various tools to quote and Win Successful Projects. The system should assist projects in this stage by providing:
34	*Record the scope of work, as released in the Tender by
	the client.
35	*The ability to perform Estimation against various Cost
	Elements.
36	Ability to perform Cost Estimation, against each activity
	of the Project Work Breakdown Structure
37	*Ability to retrieve the Estimated costs on to the Sales
	Contract
38	*Ability to submit quotation to the client.
39	*Ability to repeatedly revise the scope of work, based on
	every round of Techno-commercial negotiation
40	*Ability to Submit revised quotations
41	*Ability to set Contract Baselines
42	*Ability to Award and Activate the Contract
43	Ability to record Interim Retention amount in percentage
	on the Sales Contract
44	Ability to record Final Retention amount in percentage
	on the Sales Contract
45	Ability to record various dates such as Planned Start
	Date, Planned Finish Date, Award Date, Actual Start
	Date etc
46	Ability to record the various Taxes, Duties, Freight
	charges, as applicable

S.No	RFP Particulars Project Management
47	Ability to Start the actual work on the contract
48	Ability to have various Calculation methods such as
	Fixed, Per Unit, Rate Only
49	Ability to perform Valuations on the basis of Fixed Cost
	Value/ Fixed Sales Value/ Progress/ Quantity.
50	Ability to perform Calculations on the basis of Cost
	Value or on the basis of Sales Value
51	*Ability to register the date when an Enquiry was
	received from the customer.
52	*Ability to create various Applications for Payment from the same Sales Contract.
53	*Ability to record the amount of work performed, in terms
	of quantity and raise the invoice for the corresponding amounts.
54	*Ability to Submit the Application for Payment to the
	client
55	Ability to record the work values, as certified by the
	client.
56	Ability to raise Invoice for the Certified amounts,
	considering the retentions.
57	Ability to raise Invoice for Final Retentions
58	Ability to tightly integrate Sales Contract Management, Project and Sub contract Management
59	Ability to Complete the Sales Contract, once the complete scope defined in it has been completed.
60	Ability to Close the Sales Contract, once all the
	payments have been received.
	Project Planning
	At the planning stage the system would assist the K-RIDE Project team in the following manner:
61	*Quickly initiate and generate a project plan from the

S.No	RFP Particulars Project Management
	projects performed earlier. Material, manpower and other costs requirements would be automatically connected to the activities.
62	Identification and availability of Manpower requirement
	both internal and external
63	Allow for Project Structure (WBS) with Multiple levels of
	Sub Projects
64	Allow for Project Structure with Multiple Activities
	underneath each subproject.
65	Ability to define Predecessor and Successor activities.
66	*Ability to connect requirement activities to the project
	structure such that it helps to:
	Identify project-specific items and
	Define demand planning for project-specific items separately by project
67	System would track Estimated, Planned, Committed
	and Actual costs.
68	Committed values would be captured directly from the
	business objects (like purchase orders).
	Project Procurement
	The system would permit Project specific procurements such that it captures:
69	Purchase requisitions connected to Activity and progress available on the Activity
70	May buy both articles on stock or not on stock
71	System should be able to take advantage of the
	complete material and capacity planning
72	Material Procurement List from Project itself
73	Actual values should be created automatically from the
	project specific accounting entries generated.
	Risk Handling Capability

S.No	RFP Particulars Project Management
	Integration with 3rd Party Tools
74	*The project module will interface seamlessly two ways
	with Microsoft Project and/or Primavera. This would help to:
	Take advantage of the project planning tool"s scheduling functionality to do a critical-path analysis.
	Information that will be shared includes:
	o WBS with activity dates
	o Dependencies between activities
	and constraints information.
	o Resources and resource allocations.
	o Progress information.
	Exporting and importing can be repeated as needed, making it easier to re-plan and
	handle changes while the project is under execution.
75	Project Execution:
	At the execution stage, ERP will provide with extremely simple and user friendly ways to report time, cost, material and task progress. The various benefits which are likely to be provided by ERP at this stage would be:
	Control All Projects Related Activities from a
	Single Functional Area
	Detailed Task Performance Controls
	Personalized Web Portal Reporting and Activity
	Assignments
	On-line Collaboration with Suppliers and subcontractors
	Proactive Project Management
	The various functionalities that the ERP system should have are listed below:
76	It should be possible to have both Project and Non
	Project specific material planning and issue.
77	Cost and Progress of activity, sub project and project

S.No	RFP Particulars Project Management
	will be automatically updated.
78	Perform project performance analysis like Earned
	Value, CPI (Cost Performance Index), which are automatically evaluated while the project is being executed enabling rapid corrective actions.
79	Analysing project performance by comparing performance indicators with planned/revised values and committed or actual values.
80	Staff and Management will receive role-based values of
	performance indicators. Operational staff receives operational values and management receive values at higher summarized level.
81	*The ERP should work with concept of exception based
	project monitoring. The system should be able to identify the delays and exceptions such as activity delay, procurement delay, budget exceeded etc. and push to the user in the form of email, SMS message etc. using event driven technology.
	Project Reporting
	The various options available for project reporting will be
82	Extremely simplified time and cost reporting, which
	directly updates the progress and costs of the activity.
83	Support for various methods of time reporting to cater
	also for the field staff at the sites. through client
84	*Support for various methods of time reporting to cater
	also for the field staff at the sites. through Web
85	Support for various methods of time reporting to cater also for the field staff at the sites by uploading from a pre defined format in software like excel etc.
	Project Analysis
86	Users at all levels can utilize ERP Tools to analyse
	Project Cost and Performance broadly classified as:
	Transaction Flows from Procurement into
	Project
	Cost Analysis and Performance Tools

S.No	RFP Particulars Project Management
	Revenue Analysis and Metrics
87	Project Activity Costs (committed and actual) and
	Progress should get updated automatically from
	Purchase Orders
88	Project Activity Costs (committed and actual) and
	Progress should get updated automatically from Time
	Reporting
89	Project Activity Costs (committed and actual) and Progress should get updated automatically from AP Invoices
90	Project Activity Costs (committed and actual) and
	Progress should get updated automatically from
	Engineering activity and document development.
91	The users would be able to perform Project Progress
	Performance. The various options available should
	include “History”
92	The users would be able to perform Project Progress
	Performance. The various options available should
	include “Project Cost Performance”
93	The users would be able to perform Project Progress
	Performance. The various options available should
	include “Resource Utilization”
94	The users would be able to perform Project Progress
	Performance. The various options available should
	include “Project Exceptions”
95	The users would be able to perform Project Progress
	Performance. The various options available should include Personalized Projects Portal for
	o Key Project Metrics
	o Project Status

S.No	RFP Particulars Project Management
	Project History Logging
96	Ability to log relevant project data
97	Ability to schedule History Logging (weekly, daily etc)
98	Ability to manually log History
99	Availability of Graphical displays for easy follow up
100	Drilldown from graph to history details
	Integration to Finance
	The financial system and the project module should be tightly integrated to allow:
101	Automatic synchronization of Project ID and basic data in finance
102	General Ledger information should be available in
	project forms
103	Financial transactions should be marked with activity id
104	Actual figures should always be fetched from GL
105	Drilldown from activities to financial transactions
106	Zoom from financial transactions to activities
	Exception Based Project Management
	The system should have the capability to perform “Exception Based Project Management”. In this regard it should be possible to:
108	Ability to create „Project portals‟ where one can set up a
	link to „Project exceptions„ that summarizes all
	deviations from the project plan.
109	The portal should give all information and provide a
	'one-click away' interface to delayed purchase order, activities and exceeded budgets.
110	The system should provide Performance Portals to
	monitor the project based on Cost and Schedule
	Performance Indicators.
	Project invoicing

S.No	RFP Particulars Project Management
	The system should be capable of creating project invoices with complete link to the financial system. The functionalities expected in this category are as follows:
111	The system should have the flexibility for both fixed and
	time and material based invoicing plan
112	It should be possible to define invoiceable and non
	invoiceable cost heads so that the transactions under the invoiceable head can be directly passed on to the customers
113	The project invoices created should end up in the
	accounts receivable module of the application for close follow up
114	Flexible pricing structure
115	The system should have close follow up on the project cost and revenue.
	Sub contract Management
	The system should have the ability to outsource works and capture the progress on them:
116	The ability to capture the scope of various Sub
	contracts given to various sub contractors.
117	Ability to record the costs of Subcontracting on the
	Project
118	Ability to capture the various dates, such as Planned
	Start Date, Planned Finish Date, Awarded Date, Actual
	Start Date etc.
119	Ability to release the Subcontract on to various
	prospective Bidders/ Suppliers
120	Ability to record the Submitted Quotations from various
	Vendors and compare the same.
121	Ability to record the dates when various bidders /
	suppliers have submitted their quotations.
122	Ability to record the reason of Awarding the Subcontract
	to a particular Vendor

S.No	RFP Particulars Project Management
123	Ability to Call Off works, progressively, as per the need.
124	Ability to hit Committed Costs as soon as the Called Off work is released
125	Ability to capture the Subcontractors" claim for the work
	done.
126	Ability to record, the actual work which has been done
	on site. This shall be captured on the basis of a report which shall be sent by the Site Supervisor.
127	Ability to retain certain amount of the total Sub-
	contracted value as an Interim Retention
128	Ability to retain certain amount of the total Sub-
	contracted value as the Final Retention
129	Ability to certify the claims which have been made by
	the vendor for the work performed.
130	Ability to raise invoices only for the Certified work values, retaining the Initial/Final Retention amounts
131	Ability to make payments against the Invoices.
132	Ability to record various Taxes, such as Service tax etc,
	as applicable.
	Budgeting & Forecasting
134	Ability to control all material costs, which exceed the
	budget.
135	Ability to compare Budgeted costs w.r.t Labour with the
	Actual costs incurred, at the end of the project.
136	Ability to repeatedly revise the Budgeted costs, if need be.
137	Ability to draw S-Curves and Straight Line based on the
	forecasted costs.
138	Ability to define Budgeted costs on the basis of
	Estimated costs.

3. Material Management

Procurement/Material Management	
1	Ability to capture vendor name, address, contact, banks, payment term, business, place of origin and statutory details (Tax and Legal Entities details)
2	Ability to add new vendor to the vendor master based on approval
3	Ability to identify vendors by a unique coding system
4	Ability to filter all vendors based on multiple parameters such as product code / Region, etc.
5	Ability to view vendor comparison reports (rates within peer groups, vendor history, past performance)
6	Ability to allow authorized users to create, modify, block/un-block transactions on vendor records.
7	Ability to create standardized formats/form for
	a. vendor selection
	b. evaluation of existing vendors
	c. contract renewal
8	Provision of system to request for new supplier creation with following information:
	a. Supplier Name
	b. Supplier Address
	c. Supplier Type
	d. Requestor Name
	e. Reason for Request
9	System should require approvals for creation of vendor code and ensure completion of mandatory fields when creating vendor code in system (such as TAN etc)
10	Ability to have both manual numbering / automatically generated numbering for vendor codes with provision for maintaining different numbering sequences and formats for different vendor categories
11	Ability to not allow Purchase orders/Payments to un-registered vendors (not listed in Vendor Master or without vendor code).

Procurement/Material Management	
12	Ability to restrict user adding vendor whose details are already available in the vendor master (Automatic Duplication Check)
13	Ability to send confirmation emails/notification/alerts to the designated users once the vendor record is created
14	Ability to Allow blocking/unblocking of Vendor based on approval for a period
15	Ability to Approve any modifications of record of a blocked vendor by a separate designated authority
16	Ability to Provide view access of blocked vendors to all designated users
17	Ability to prevent new enquiries being sent to blocked vendors during the blocked period
18	Ability to automatically reactivate the blocked vendors after blocking period with an intimation/Notification to all concerned
19	Ability to capture supplier feedbacks pertaining to any earlier orders. For Example: Reason for delay deliveries,
20	Ability to Send a confirmation email to the designated users after blocking/unblocking the vendor record
21	Facility to classify vendor on criteria like indigenous/foreign, PSU/Non PSU, Defence PSU, Pvt. Sector, Small Scale Industry etc
22	Facility to store multiple Addresses per Vendor
23	Facility to store Bill-to-Entity Information for each Vendor (including currency, bank, account number and mode of payment)
24	Facility to define Payment Profile for each Vendor (including currency, bank, account number, Taxes as applicable and mode of payment)
25	Facility to store variety of information in Vendor Profile (including items /services supplied , Order Histories incl. order value, annual turnover, solvency and key terms)
26	Facility to store Telephone number, E-Mail Addresses, Web Sites and Fax Numbers in Vendor Profiles
27	Facility to configure Vendor Lead Times (external and transportation)
28	Facility to define Payment Profile for each Vendor (including currency, bank, account number, Taxes as applicable and mode of payment)
29	Facility to configure Main / Default Vendor for an Item or service

Procurement/Material Management	
30	Capability to carry-out Vendor Performance Analysis (on the basis of quality of item / services offered, quantities supplied, delivery / timely completion performance and cost /price)
31	Facility to generate Vendor Performance Reports (on the basis of quality of item / services offered, quantities supplied, delivery / timely completion performance and cost /price)
32	Ability to de-activate / activate / blacklist vendors with effective dates and assigning status to individual vendors
33	Ability to check whether a vendor is also a customer and if so ability to set-off transactions from AP and AR as per requirements
34	Ability to configure and allow one-time vendor
35	Ability to restrict access to vendor master to specific users and enable filtered views of the vendor list for various processes as per business rules
36	Ability to conduct vendor registration process and vendor deregistration process as per predefined business rule
	Indents/Requisitions
37	Ability of the indents to follow a configurable workflow so that they can be sent to the purchase organization online
38	Ability to raise service indents which includes service items
39	Ability to categorize Indent documents as Revenue Purchase Indent, Capital Purchase indent and Proprietary Indent
40	For the Capital Purchase Indent, ability to capture against the indent, the reference to budget approval document, justification for purchase, environmental clearance (wherever applicable)
41	For Proprietary Indents, ability to capture details of Proprietary certificates
42	Ability to direct the indent to the relevant approving / concurring authority as per the indent type (Capital / Revenue) and Delegation of Power
43	Ability for senior officers/approvers to evaluate the indent online and reject / suggest modification / approve indent with detailed comments / notes

Procurement/Material Management	
44	Ability to rework and resubmit the indent for approval after necessary modifications
45	Ability for the concerned purchaser to scrutinize the indent online and enter remarks if required
46	Ability of the purchaser to reject a Indent if required with appropriate comments
48	Ability to generate a unique indent number.
49	Ability to access information on past purchase details, current inventory status, pending orders, etc against a particular item
50	Ability to attach docs (approved note sheets / drawings / special requests etc).
52	Ability to track indent status at every approval stage
53	Ability for online budget monitoring and display of budget status during indent stage and accordingly display alerts / messages on exceeding the budget
54	Ability to merge/demerge indents
55	Ability for the indent to be routed via various levels of approvals before it can be converted into an requisition or tender
56	Ability for the indent to be converted into a purchase order if there exists an contract or purchase schedule
57	Option to include Delivery Schedules and Quality Specs with support for manual entry and special text within the Requisitions
58	Ability for the indent to be blocked if there is no sufficient budget against the cost center
59	The indenter only be warned if there is no sufficient budget against the cost center
60	Indents should follow a pre-configured work flows, specific to the type of materials,for approvals
61	Facility to retain indent History
62	Ability to generate requisitions for items replenished frequently like Consumables, based on re-order level
63	Facility to check the availability of free or reserved stock available at different storage locations while creating requisitions

Procurement/Material Management	
64	Ability to generate requisitions based on specific consumption and bill of materials
65	Ability to generate indents based on the project requirements, when the project is being planned
66	Facility to link indents to projects, departments, functions
	Purchase Orders
67	Facility for conversion of indents into purchase orders
68	Facility for automatically directing planned Purchase Orders to Vendors as per user- defined criteria (Single Source Supplier)
69	Support for manual entry of Purchase Order
70	Automatic sequential Purchase Order numbering scheme
71	Ability to create various types of Purchase Orders including Standard PO, Contract, Sub- Contract Order, Purchase Request, Sub-orders as sub-set of Original order, Stock Transfer Order etc.
72	Ability to create Purchase Orders for Miscellaneous (Non-Inventoried) items / job work
73	Facility to provide an option to create a purchase order without item code (for miscellaneous purchases)
74	The system should support All Indian Statutory taxes and duties in the purchase process
75	Ability to support the taxes and duties be picked up automatically based on item master details
76	Payment terms be defined on the purchase order
77	Ability to enter / remove Tax details required for ensuring compliance with Indian Tax laws considering both direct & Indirect taxes.
78	Ability to setup default currency for invoice/payment
79	Ability to configure various kinds of payment terms and indicate default payment term (e.g. Immediate, 30 days etc.)
80	Facility to include Quality Specifications on Purchase Orders (to be picked from item master)
81	Support for multiple types of Orders (including single, blanket, maintenance, return and subcontract) (Reference Order)

Procurement/Material Management	
82	Facility to configure default Order Type by Project / Work Center / Item / Service / Production Order
83	Option to cover multiple Requisitions by single PO and vice-versa
84	Ability to manage multiple Lead Time Components (including preparation lead time and order-to-stock lead time)
85	Option to mandate multiple deliveries per item in a PO
86	Facility for Purchasing Unit of Measurement with conversion factors
87	Option to create Blanket Orders with cost and quantity limits
88	Options to control the release of Blanket Orders
89	PO / Blanket Orders can contain one or more items
90	Facility to trace shipments by Order Number
91	Facility to specify special Purchasing Conditions for an item / job work
92	Option to add 'Inspection Required' flag on selected items / jobs
93	Online Access to Part-Purchase History
94	Facility to track used / unused material by job work vendor
95	Purchase Order should follow pre-configured Work Flow for various approvals
96	Work Flow configuration to be based on various like PO value
97	Support for online review of PO prior to the release
98	Ability to maintain PO Status (plan, firm planned, firm requisitioned, released and closed)
99	Ability to automatically generate a PO Number and assign to each PO Sequence
100	Option to define separate PO Sequence for each business unit / work center/item
101	Ability to create PO for each division and cost to be allocated accordingly
102	Ability to define various types of taxes on purchase order
103	Ability to define 'other charges' like Freight, Insurance, Handling Charges on PO
104	Purchase order line should show both item price and landed cost

Procurement/Material Management	
105	The changes to the purchase orders after release follow an approval process
106	Ability for tracking changes to the purchase orders
107	PO should be allowed to be closed short (e.g., after receiving less than the total of the original order quantity)
108	Facility to suspend a PO for a defined time period without short closing it
109	Facility to calculate landed cost taking in to account freight, insurance, customs, clearing cost, even though the actual invoice is not yet received for each component
110	Ability to provide provision for supplier part number
111	Ability to create a purchase commitment in finance as soon as purchase order is approved
112	Facility to enter Purchase Quotations (with discount prices, percentages, and effective dates)
113	Facility to include Quote Number on a Purchase Order
114	Facility to include Quality Specifications on Purchase Orders (to be picked from item master or indent)
115	Facility to trace shipments by Order Number
116	Ship-Complete or Partial-Ship Option
117	Option to define separate Due Date per item or job in a single Order
118	Facility to configure follow-up triggers on released PO
119	Automatic reminders for Due Deliveries / completion dates of jobs
120	Provision to track Non-Recurring Charges associated with a line item in a PO, such as tooling or setup charges
121	Remote PO access and printing of associated documentation
122	Option to automatically create and maintain Sub-Contracted PO upon creation of sub- contracted work orders
123	Ability to send automatic reminder to service user for renewal of rate contract, service contracts
124	Ability to modify order quantity in ongoing parallel Purchase Orders for service jobs.
125	Facility for opening of LC/advance for import/local purchases

Procurement/Material Management	
126	Facility to link LC with landed cost
127	Facility for recording and accounting of Import levies (duties, clearance etc.)
128	Facility for projection of payment commitments based on credit days and date of consignment receipt
129	Facility for postponing, canceling and advancing P.O.s in line with requirement changes
130	Facility to prompt of an similar open order existing for an item so as to issue the vendor one more order on similar terms
	Purchase Order Management
131	Option for Centralized or Distributed Purchase Monitoring
132	Ability to configure PO Milestones (Internal Lead Time) by Product / jobs / activity / Work Center
133	Ability to retain PO Data for audit purposes
134	Facility to maintain detailed Purchase Statistics (by country, Project, division, order type, supplier group, supplier, item, item group, Jobs, job groups)
135	Facility to have a purchase budget department wise / project wise
136	Ability to track PO Maintenance History Online
137	Facility to report Shortages and Schedule Information to Vendors in real time
138	Facility to have a purchase budget department wise / project wise and linking Procurement to purchase budget
	Procurement analysis and Reporting
139	Ability to run multi-attribute Reports and Queries on Requisitions
140	Ability to run multi-attribute Reports and Queries on Purchase Orders (planned and released)
141	Facility to maintain and run multi-attribute Queries & Reports on Item Purchase History
142	Ability to run multi-attribute Reports and Queries on Quotations as received from Vendors

Procurement/Material Management	
143	Facility to configure Automatic Reminders for various Events (not delivered orders, corrective actions to be taken on Contract, etc.)
144	Facility to recover chargeable cost towards mat./consumables / services provided by MECL against each PO
145	Facility to allocate cost of procurement like mat./consumables / services against a PO, item or cost center
146	Ability to generate report on pending purchase orders for vendor/s
147	Ability to evaluate vendor performance based on price, quality, delivery schedule etc
148	Provision to generate report on purchase order based on criteria like item, vendor, dates etc
	Procurement Receipts and records
149	Ability to manage Receipt by Project / Location / Lot Number / Site
150	Facility to report Goods Arrival and Receipt
151	Ability to manage Receipt of consolidated POs on a single shipment
152	Ability to include Vendor Number, Quality Test Results and other user-defined details with Goods Receipt Note
153	Facility to inform a notification to users / indenter upon registering the receipt of goods
154	Facility to block the usage of goods till certified by user/indenter/inspector
155	Facility to generate reports on Rejected Items
156	Ability to handle Return-to-Vendor Detail and Request for Replacement Shipments
157	Ability to generate Claims for non-conformance receipt and for return of goods
158	Ability to generate Goods Received Note
159	Facility to book Invoice upon receipt
160	Ability to input and compare Supplier Invoice / Challan to Purchase Order
161	Ability to update PO and Purchase Cost as per Invoice / Certified amount

Procurement/Material Management	
162	Ability to update Purchase Statistics, Financial Accounting and Project Accounting as per Invoice / Packing Lists
163	Facility for Part-Rejection of received Goods
164	Ability to generate debit notes on rejected items
165	Ability to capture excise details based on purchase order and claim input credit upon receipt of goods
166	System should support service acceptance
167	Facility to keep Receipt Transaction Records
168	Cumulative tracking of Receipts / job completion certificates
169	Ability to generate work completion certificate
	Cash Purchasing Management
170	Facility to purchase Material/services directly by cash/cheque/draft and account for the same for a project / job / Production Order
171	Facility for settlement of cash, job satisfaction report, deposit back additional cash
172	Facility to purchase Material directly for a project / job / Production Order
173	Facility to trace Purchased Items back to the project / job / production order
174	Facility for grouping of purchases by project / job / production order
175	Generation of Receipt Documents
176	
	Vendor contracts and agreements
177	Facility to create Contracts (general, service, by product-class and by product) utilizing pre-defined Templates
178	Facility to configure and monitor User-defined Contract Milestone Dates
179	Maintenance of commercial documents such as General Conditions of Contract (GCC), Special Condition of Contract (SCC)
180	Option to specify Delivery Date and Quantity along with Contracts (linked to Inventory)
181	Option to create Price and Discount Agreements

Procurement/Material Management	
182	Option to define Shipping and Handling Costs alongside a Contract
183	Option to associate and monitor Delivery Schedule with a Contract
184	Option to receive Online Acknowledgement from Vendor upon acceptance of Contract
185	Contract Documentation and Reporting
186	Facility for amending the Contract with hierarchy of approvals
187	Facility to track and maintain the amendments to the Contract
188	Facility to report performance/completion of work, milestones against the contracts, especially the services contracts
189	Facility to report deployment of skills, expertise against the contracts
190	Facility for Finalization of Billing Breakup
191	Release of initial and interim advance, retention charges if any
192	Post award execution & monitoring
193	Closing of Contract
	General Requirements of procurement
194	Ability to create a new indents similar to an existing indent
195	Ability to create a Purchase Order from an existing Requisition
196	Ability to search the Vendor Record via any of the existing attributes
197	Ability to generate Reports by Vendor, Item or Service in due date sequence
198	Ability to electronically transmit a Purchase Order to the Vendor (on mail ID extracted from predefined Vendor Profile)/auto generate letter and address label
199	Interface with General Ledger to increase the Materials Account and Credit Accounts Payable upon receipt
200	Ability to mark characteristic of Item like Domestic, Imported, Excisable etc
201	Facility to search for existence of an Item based on multiple search options
202	Ability to extract and transmit PDF, Drawing Files and other Files to Vendors

Procurement/Material Management	
203	Facility to send automatic Reminder for Overdue Shipments to Vendors via Fax or e- Mail
204	Ability to electronically transmit a Purchase Order to the Vendor (on mail ID extracted from predefined Vendor Profile)
205	Interface with General Ledger to increase the Materials Account and Credit Accounts Payable upon receipt
206	Ability to create Item code if certain with a code generator (wizard)
207	Ability to capture price for each material / Service supplied by a vendor and its corresponding quality, delivery schedule etc
208	Provision to activate multi-level "Release" strategy for purchase requisitions based on certain criteria for e.g. value of purchase requisition
209	Ability to automatically identify potential sources of supply for a material / Service requirement based on past orders or existing long-term purchase agreements
210	Ability to automatically check the purchase requisitions for budget availability
211	Provision to create different kinds of purchasing documents like purchase order, contract or scheduling agreement
212	Ability to define various types of purchase orders like PO for local purchase, PO for imported items, PO for services etc
213	Ability to define and procure services, including long term purchase order for services
214	Provision to activate multi-level "Release" strategy for purchase orders based on certain criteria for e.g. value of purchase order
215	Ability to restrict access of purchasing documents to specified users for creation/changing
216	Ability to record and track changes done in a purchase order including information about the date, time, user and old and new value
217	Allotment of new codes for material / Service, services and vendors

Stores and inventory Management	
	Item Master
1	Ability to group all items based on parameters like Spares, consumables, tools etc
2	Assign unique category code to each category
3	Assign Unique Item code for items
4	Ability to regroup the items and retrieve the data as per user requirements
5	Assign item name in each category
6	Ability to assign model, make, characteristics etc to each item
7	Ability to configure items - requiring quality check / quality check not required
8	Ability to Map item code with vendor master
9	Ability to identify duplicate items and send alerts
10	Provision for traceability of materials at individual piece , especially the tools like drill bits
11	Provision for scaling of coding structure
12	Ability to update the Bill of Materials for all the assets
13	Provision to attach Technical Write up, end user certificate for import / Indigenous items
14	Ability to identify place of inspection – Receipt / In-process / Pre-dispatch
15	Ability to link each item of an indent to equipment / project, department wise
16	Provision for differentiating items based on criteria such as capital or revenue
17	Provisions for maintaining critical characteristics like shelf life (for chemicals) etc. for system alerts and decision regarding material movements
18	Ability to configure an expiry alert date for chemicals. The system shall generate an expiry alert 'XX' number of days before expiry as configured
19	Ability to configure safety stock / economic order quantity based on enterprise stock management policies

Stores and inventory Management	
20	Provision to define various relevant information for each material like purchasing related information, inventory related information, sales related information, quality related information, accounting related information etc
21	Ability to define different stock keeping units for a material (for e.g. one unit for purchasing and other for issuing)
22	Ability to define authorizations for users for creating and changing material records
23	Ability to identify material requirements from user department or material planning & control (which may include Demand-based approach to inventory planning)
24	Ability to generate consumption pattern for a material
25	Ability to generate ABC analyses, fast / slow moving item reports
26	Provision to define storage locations, bins, go downs etc
27	Ability to carry out re-order/norms based stock replenishment
	Indent Master
28	Ability to initiate indent to items whose stock levels are at or below ROL level or in safety stock levels
29	Ability to raise Indent and restrict access for certain materials to authorized personnel (AR items by Stores only)
30	Ability to put following details in an indent: past purchase PO, last 3/5 years consumption, estimated value of purchase, estimated delivery date, type of purchase, nature of item (consumption, capital), where used details, total budget allocated to the dept
31	Ability to raise alerts when items reach the re-order level and generate indents automatically.
32	Ability to suggest vendors with justifications while raising the draft indent for limited tenders or proprietary items
33	Ability to forward the indent to the respective approving authority through a defined workflow for clearance.
34	Ability to evaluate the indent online and reject / suggest modification / approve indent with detailed comments / notes.

Stores and inventory Management	
35	Ability to access information on past purchase details, current inventory status, pending orders, etc required to evaluate an indent and sorting of approved approval hierarchy.
36	Ability to attach scanned docs [approved note sheets / drawings / special requests etc] if required
37	Link to database for price history
38	Ability to create internal indent by a unit / dept / etc. on another unit / dept.
39	Ability to raise indent for missing item / reject item with appropriate auto generated reason code affixed with indent.
40	Ability to classify indents such as revenue / capital indents/ Emergence / normal, import , trial, etc.
41	Ability to rework and resubmit the indent for approval after necessary modifications (edit after submission).
42	Ability to allocate funds against an indent online from department procurement budget.
43	Ability to direct the indent to the relevant approving / concurring authority as per the indent type (Capital / Revenue) and Delegation of Power
44	Ability to differentiate between approved, pending for approval and rejected indents
45	Ability to link the Purchase indent with the respective Cost centre
46	Ability to trace the indent to the indenter, department, shop floor etc. with the audit trail with regard to date
47	Ability to track on indents raised per user dept / cost centre , buyer group/person
48	Ability to convert indent to a final stage by indenter, after this further modifications by indenter is restricted.
49	Ability to specify whether items in the indent are proprietary or not and accordingly link proprietary certificate for proprietary items (same is true for Quality inspection specific items and relevant quality certificate)
50	Ability to track the status of an indent from indent raising to approval, receipt of offers, placement of order, LC status, material in transit, receipt at stores, inspection, stock charging and payment

Stores and inventory Management	
51	Ability for online budget monitoring and display of budget status during indent stage and accordingly display alerts / messages on exceeding the budget.
52	Provision to use multi-budget codes for certain group of items
53	Without sufficient budget indents cannot be raised.
54	Ability to track items critical to Operation, critical to quality, insurance spares, having shelf life, etc for stock level and raise alarm for indenting.
55	Ability to provide a facility to the indenter for adding any remarks/description, Special instruction on Packing req, inspection req, sample submission (free/chargeable), legal transit needs, delivery scheduling, test certificate req, Pre-dispatch inspect
56	Ability to specify whether 'Sample' is to be submitted with offer or after placement of order and attach 'sample approval criteria' to the indent.
57	Ability to prepare an estimate based on standard cost data, past purchase and latest applicable taxes and duties (ED, Cess, entry Tax, etc), transport cost, etc giving landed cost.
60	Ability to identify existence of rate contracts at the indenting stage and link it accordingly with the indent.
61	Ability to indent and track a free trial / paid trial item and record the performance.
62	Ability to create a purchase requisition / Indent from an existing requisition
63	Visibility of inventory of the items during indenting and approval cycle
64	Ability to track Purchase requisitions at various stages of approval hierarchy and consolidate the requirements based on material groups or other relevant criteria.
65	Ability to automatically book the department budget with actual value, upon placement of Approved Tender / Finalized contract
67	Ability to configure a committee for a specific department unit to generate local purchase Indent

Stores and inventory Management	
	Inventory Management - General
68	System should facilitate planning for different materials based on the expected demand – the projects, drilling to be undertaken, samples to be tested, type of soil to be drilled, the drilling machines to be deployed, machines to be maintained/serviced
69	It should be possible to generate unique code, based on codification principles for materials, vendors and contract categories etc.
70	The coding scheme for the material master should enable the categorization of the materials in a user defined way including categorization into main groups, sub groups, sub-sub-groups etc
71	Support receipt inspection activities (including rejections) be recorded and used to generate inspection reminders
72	Supports creation of a stores receipt voucher be generated to record physical custody
73	Ability to allow the store's inventory be reserved against specific indents and their utilization monitored
74	System should allow the stores item issue be linked to reserved inventory, cost centers and exit gate pass
75	Facility to have various item accounting like moving average, FIFO etc
76	Ability to review order details on-line at the time of receiving of goods
77	Allows generation of receiving documents (e.g. GRN, and inspection record) against purchase order line item, with provision for partial receipts
78	Ability to generate bin instructions/labels for the storing of items in the store / storage areas
79	Ability to record stock condition during all stock movements (such as issue, receipt, transfer and stock counts)
80	Ability to manage accounting for the return of stock to suppliers
81	Support for multiple Facilities, Stores and Other Inventory Locations
82	Ability to adjust or update for differences or conversions in Unit of Measurement
83	Capability to maintain Audit Trail of all transactions
84	Facility to manage Inventories of Internally-produced Items

Stores and inventory Management	
85	Online Display of Resources and Inventory availability by Location
86	Support for Reallocation of Reserved material across Projects
87	Facility to classify items as new, refurbished, scrap, serviceable, etc.
88	The system should facilitate tracking the refurbished materials with the original one till the final piece is discarded as scrap – the multiple versions of the material as it is serviced or refurbished
89	The system should facilitate constitution of a committee to assess the returned materials for scrapping
90	The system should recording of findings of the committee and approval process
91	The system should facilitate categorization of scraps
92	The system should facilitate issue of scrap to successful bidders against proof of payments
	Material Receipts
93	Provision to carry out value and quantity adjustments
94	Ability to restrict adjustment transactions for authorized users only
95	Ability to reserve material against a job/department and further provision to block issue of such material for a stipulated period
96	The lifecycle of the procured item or system should be managed from despatch, receipt, inspection and storage
97	The system should allow to track the Materials Receipt Certificate through the stages of ‘Receipt’, ‘Inspected’ and ‘Taken into Stock’
98	Ability to crosscheck delivery challan against the corresponding purchase order
99	Ability to register/record inward - material details unloaded
100	Ability to retrieve the details of Materials ordered and received with the Purchase order number
101	Ability to capture such particulars as - item name, Quantity/packing, date of receipt, inward register number, purchase order number and name of the supplier
102	Ability to alert the Concerned user department on receipts

Stores and inventory Management	
103	Ability to notify Purchase / Accounts departments about the rejected materials.
104	Ability to receive notifications from Purchase department on approvals for returning rejected material
105	Ability to notify Purchase department of excess / shortfall in material received
106	Ability to define different types of material that the company procures, stores and sells
107	Ability to record goods against a purchase order and highlight if there is variation between quantity ordered and received
108	Seamless real time integration between inventory and accounting applications for automatic update of inventory value in pre-designated accounts for each relevant inventory transaction
109	Ability to report inventory level based on pending purchase requisitions, pending purchase orders and goods-in-transit
110	Ability to provide real-time inventory status at stores
111	Ability to categorize different kinds of inventories. For e.g. unrestricted, blocked for inspection, blocked for project etc
112	Ability to store item with material and serial number combination in inventory
113	Ability of record receipt of item/services identified for consumption. For e.g. directly for cost center
114	Ability to record the receipt of materials from project sites
115	Ability to record the materials received from project sites as for inspection and further action (not for immediate reissue)
116	Ability to categorize the materials received from field as serviceable, new, non serviceable etc on inspection by a committee
117	Ability to link the receiving materials to originally issued
	Material Issues
118	The system should support different types of movement and issue of materials – with multiple locations of stores, project sites, and to workshop

Stores and inventory Management	
119	The system should support automatic allocation of raw material against production order
120	The system should support issue of raw material against production order
121	System should allow the material issued be tracked i.e. specific consumption vs. actual usage
122	The system should help in monitoring and displaying the stock
123	The system should facilitate issue of materials like tubes, rods and drill bits on a returnable basis to project sites
124	The system should facilitate track the materials issued to project sites, when the materials are received at the project office and then at the central store
125	The system should help in monitoring and displaying the stock
126	The system should facilitate Issue of materials to maintenance based on the schedule of maintenance or work order for maintenance
127	The system should facilitate Issue of materials to manufacturing based on the schedule of maintenance or work order for manufacturing
128	The system should facilitate Issue of serviceable materials to manufacturing based on the categorization
129	The system should facilitate consolidating different requests for issues into single or multiple shipments
130	Ability to identify mechanisms for shipment or transportation
131	Ability to request the in house vehicles for shipment
132	Ability to identify the transporter for shipment based on contracts
134	Ability to use the transporter services
135	System should facilitate transporter payments based on the receipt of goods at the destination.
136	System should allow the issue of stores items to employees be integrated automatically to the payroll system for effecting recovery for items like laptops
	Physical stock taking Inventory Adjustments
137	Ability to support physical inventory check process

Stores and inventory Management	
138	Ability to record difference and reconcile system stock and physical stock
139	The Ability to allow physical and book stock be compared and discrepancies managed in terms of stock adjustments, write-offs, etc
140	Facility to assign Adjustment Reason Codes
141	Audit Trail of Inventory Adjustments
142	Reporting of Overstock and Under stock Exceptions

4. Human Resource

Sr. No.	Functional Requirement Specifications
1	Enable definition of multiple departments at each location
2	Enable definition of multiple categories of employees to take care of accounts, HR, technical, and the management levels.
3	Enable definition of multiple grades to set as many pay scales as necessary
4	Enable definition of multiple designations
5	Enable definition of job clusters with descriptions
6	Enable compilation of employee numbers by grade / function / role band at any given time
7	Capability to define multiple organizational structures (positions) and multiple reporting relationships and integrate with the respective employee data
8	Capability to create a position in any organization
9	Capability to define a post or position as permanent post, ad-hoc post, temporary post, up to certain time post
10	Capability to seek confirmation after every change made in the structure, changes to be made permanent only on authentication by the competent authority.
11	Capability to change/restore/rollback changes to a previous(given) date and report inconsistencies.
12	Capability to generate tree structure giving details of all role holders and reporting employees (defining reporting and reviewing relationship) i.e. organogram.

Sr. No.	Functional Requirement Specifications
13	Capability to define administrative powers for organizational units' position-wise/person-wise pertaining to HRMS modules
14	Capability to tightly integrate administrative power definitions to workflows and approvals
15	Capability to automate manpower requirement/planning based on competencies, skills, experience, qualification and other criteria, Budget
16	A recruitment module which would enable populating an employee record when he joins any office.
17	Capability to project cadre wise/grade-wise manpower requirements for a specified period based on data relating to resignations/ dismissals/future retirement etc.
18	Facility to define cadre, post, hierarchy, pay scale, cadre schedule, ratio of direct vs. promotions, no. of posts, roaster etc.
19	Facility to draw recruitment schedule in accordance with the requirement plan
20	Facility to segregate recruitment data from live data. Applicant data to form part of live data only on final selection and reporting.
21	Support vacancy and / or post based roster system for recruitment and promotion and facility for such configuration
22	Facility for managing recruitment for special categories requiring relaxation in norms e.g. SC/ST/OBC/Physically challenged /Ex-service men /Sports persons etc.
23	Facility to maintain check list for verification and acknowledgement of various aspects related to joining viz., medical reports, testimonials, caste certificates, other relevant certificates, etc.
24	Generation of system driven regret letters and/or offer / appointment letters through both manual as well as electronic modes – facility for providing standard templates and for uploading new templates
25	Facility to define the specifications of the vacancy in terms of qualifications, work experience, location considerations, skills/competencies required, additional certifications / professional qualifications, etc.
26	Ability to obtain workflow-based clearance on vigilance/disciplinary cases from various authorities - Under Consideration
27	Ability to upload promotion list and print Promotion Letters of candidates found suitable for promotion.
28	Ability to redefine new job positions / new designations based on promotions.

Sr. No.	Functional Requirement Specifications
29	Ability to support prospective/wait listed promotions/select list.
30	Ability to do salary fitment on promotion.
31	A MIS report on pending promotion cases.
32	Ability to identify the reason of exit e.g. retirement/termination/voluntary retirement / death / resignation etc.
33	Ability to process the voluntary retirement application as per the rules defined for the scheme.
34	Capability to generate retirement notice to concerned departments and retirement proposal at least 3 months in advance in case of superannuation for sanction. For other type of retirement/exit as soon as the papers are submitted/ on-line request is received.
35	Capability to initiate the process for making payment of the retirement benefits and sanction pension as per applicable rules.
36	Ability to analyse data related to exits/retirements.
37	After Retirement benefits (Leave Encashment, etc).
38	Maintain employee information including:
	i. Employee number
	ii. Title
	iii. Employee name (First, Middle, Last name)
	iv. Address (Present and permanent)
	v. Phone number, mobile number, e-mail ID, extension number
	vi. Gender
	vii. Mobile number of the employee
	viii. Marital status
	ix. Details of children
	x. Academic Qualifications
	xi. Professional qualifications
	xii. Designation
	xiii. Date of birth
	xiv. Date of Joining

Sr. No.	Functional Requirement Specifications
	xv. Previous experience capturing
	xvi. Names of Board
	xvii. Sector of industry where worked
	xviii. Tenure (from - to)
	xix. Job oriented professional skills
	xx. Trainings or courses attended
	xxi. Date of joining
	xxii. Employee Status (Confirmed, Probationer, Contractual, Extension, Reemployment, Temporary, Deputed-in, Deputed-Out, Suspended etc.)
	xxiii. PF number
	xxiv. ESI number
	xxv. PAN number, Aadhaar Card Number
	xxvi. If handicapped, percentage
	xxvii. Caste details such as SC / ST / OBC / OPEN
	xxviii. Caster Validity Details
	xxix. Blood group
	xxx. Other details like health insurance
39	Employee Master Data Model and Management Date Modelling
	i) Ability to provide standard content (Data Models) for Employee Master Data Model
	ii) Ability to allow user-defined data models and ability to extend existing models.
	iii) Ability to support import of models available as XML Meta models
	iv) Ability to support all types of data types and user defined data types
	v) Ability to support multiple organizational hierarchies.
	vi)Ability to support hierarchical models to store and maintain relationships.
	vii)Ability to support modelling at conceptual, logical and physical level.
	viii) Ability to support import and export of metadata in standard formats (XML, XSLT, WSDL & BPEL).
	ix) Ability to capture data in English and Marathi.

Sr. No.	Functional Requirement Specifications
40	ERP System should allow
	i) Retain employee performance history
	ii) Interface with training record
	iii) Ability to define individual objectives; goal setting
	iv) Ability to define next appraisal due
	v) Ability to support different formats of appraisals for different grades e.g. Reward to Staff and performance appraisal for Officers
	vi) Ability to define the period for which appraisal is being carried out - To be linked with Transfers/Joining to the location and with the leave availed (Not being Casual leave)
	vii) Ability to draw a Performance Matrix/Job Matrix and map Key Responsibility Areas for each employee (individual goal setting) position in KRIDE based on the Matrix
	xi) Ability to maintain past Annual Appraisal Reports on scanned format or through templates with feature to record quantitative score in separate field for making calculations etc.
41	System should allow maintaining employee information such as
	i. Salary definition with Basic, HRA, DA & other allowances, etc
	ii. Leave Encashment
	iii. Contributory Provident Fund
	iv. Medical Reimbursement
	v. Loans and Advances
	vi. Gratuity, Final settlements
	vii. Income Tax Calculation
	viii. Benefits
	ix. The system shall be rule based and generic in nature to permit changes in salary and tax structure
	x. Arrears calculations due to Revised DA or pay-fixation.
	xi. Reporting
	xii. Allow integration with Financial Accounting system.
	xiii. Audit trails for all system activities.

Sr. No.	Functional Requirement Specifications
	xiv. Support alert features about scheduled dates.
	xv. There should be a single employee master and it should be integrated with all the codes.
	xvi. Approval limits for expense reimbursement should be configured based upon the hierarchy limits.
	xvii. There should be a field in the master to reflect the code/ cost center to which an employee is associated.
	xviii. Maintain online leave records.
	xix. ECS file generation for salary & other payments to the bank account.
42	System should allow to manage employee payroll such as
	i) The system should allow for the creation of user defined components of Pay like:
	- Recurring and Ad-hoc Allowances
	- Recurring and Ad-hoc Deductions
	- User Defined Allowances & Deductions
	ii) The system should allow for the computation of the following elements:
	- Fixed Pay elements applicable to all employees Like Basic, CPF, Special Allowance, Conveyance Allowance etc.
	- Variable Pay elements based on parameters like options exercised by the employee, place of duty etc (CCA, HRA, Recoveries Like LIC, NIC)
	- Formula based Pay elements like (DA as a % of Basic) and combination of the above.
	iii) The system should allow the calculation of pay based on Compensation Rules like
	- Years of Service
	- Grade
	- Location
	- Type of Leave availed
	- Employee Status like Active, Contract Basis, Deputation, Casual, Consultants, Probation, Apprentice etc.
	- Others (user Defined)

Sr. No.	Functional Requirement Specifications
	iv) The system should have provision to maintain/ configure pay elements like LTA and Medical, Service Reward etc.
	v) The system should allow pay types based on user defined cycles of pay. (Monthly)
	vi) The system should allow the user to override the standard rate of pay for individual employees.
	vii) The system should allow the setup of multiple payrolls with different payroll administrators & combining payroll.
	viii) The system should allow restriction of administrative functions to a few selected payroll users.
	ix) The system should have a data upload facility to upload history payroll data as well as transactional data for running payroll.
	x) The system should allow the maintenance of slab wise details for statutory elements like Income Tax, Professional Tax as well as user defined elements
	xi) The system should allow for the calculation of the following kinds of pay elements
	- Basic/ Leave Encashment/ Joining Bonus
	- Special Pay/ Allowance/ Personal Pay
	- Dearness Allowance
	- House Rent Allowance
	- Conveyance Allowance
	- All Loans
	- Accounting of CPF, LTS, Pension, Gratuity, Leave encashment etc.
	- Transport Allowance
	- Others (User Defined)
	xii) The system should Perform advance payments: Fixed Value amounts (e.g. festival/ natural calamity advance) or Formula-based Amounts (e.g. pay advance on transfer).
	xiii) The system should allow for deductions that might be either Central Govt. rules, State Rules or KRIDE rules like
	- Government/Contributory Provident Fund
	- Festival Advance

Sr. No.	Functional Requirement Specifications
	- Natural Calamity Advance
	- Cycle/ Scooter Advance
	- House Building Advance
	- Income Tax/ Surcharge
	- House Rent Recovery
	- Employee Welfare fund
	- Others (User Defined)
	xiv) The system should Allow the following calculation of onetime payment of allowance and / or deduction:
	- Incentive, arrear, ex-gratia etc.
	- By Amount: enter amount to be deducted or payable
	- By Days: enter number of Days for system to compute the amount based on Basic Pay or gross Pay and/or any other component of Pay
	xv) The system should Calculate recurring payments and / or deductions using the same criteria as onetime payment / deduction.
	xvi) Allow for input of start and end date for recurring payment / deduction.
	xvii) The system should be able to process payroll on the following frequencies:
	- Monthly
	- On-demand (i.e., terminations, vacation advance, court order, ratification)
	xviii) For each employee, system should use Employee Master data of HRMS such as:
	- Name of employee
	- CPF Account No.
	- Name of Father / Husband
	- Date of birth
	- Basic Pay
	- Designation
	- Date of Joining service
	- Bank details

Sr. No.	Functional Requirement Specifications
	- Nomination details:
	- Name & address of nominee
	- Relationship with subscriber
	- Age of Nominee
	- Share payable to each nominee
	- Other user-defined fields
	xix) The system should Automatically update Payroll database for changes in employee record without interfering with payroll processing (e.g. Promotions in the middle of month)
	xx) The system should be able to make Back dated calculations.
	xxi) The system should reflect payroll adjustments in correct pay period.
	xxii) The system should have a full and Final settlement process in place.
	xxiii) The system should provide a final settlement report for each terminated employee.
	xxiv) The system should have provision to suspend Payroll runs or control final settlement processing on a case to case basis.
	xxv) The system should have the provision to run separate ex-gratia/ incentive runs.
	xxvi) The system should have a provision to process Arrear and backdated Payment calculations.
	xxvii) Provision to recover advances in subsequent pay periods with a single transaction based on various conditions.
	xxviii) The system should support multiple banks or savings institutions.
	xxix) Linkage with Disciplinary Action module for Punishments. Suspension in Disciplinary action module should result in subsistence allowance calculation in Payroll.
	xxx) The system should have linkage to leave, promotion, location, qualifications.
	xxxi) The system should perform what if analysis. i.e. Show the pension value through self-service - Clarification Required.
	xxxii) The system should handle LTA and Medical exemptions as per the Income Tax Rules
	xxxiii) The system should handle Gratuity Calculations

Sr. No.	Functional Requirement Specifications
	xxxiv) The system should handle Provident fund rules like
	- Calculate and deduct contributions according to the respective Statutory Acts/ policy etc.
	- Maintain individual CPF accounts and generate individual account slip for every financial year
	xxxv) There will be level of payroll processing. First it will be processed by playbill clerk & then it will be reviewed by Payroll Manager (Review user) before sending it to Cashier for payment.
	xxxvi) There should be a report generated before posting of salaries at month end. This would ensure that the system allows checking of data prior to posting.
43	System should allow to capture the below information
	i) The system should allow the capture of the following kinds of information for an employee:
	- PAN No
	- Ex Serviceman Information
	- Residential Status
	- Group Insurance Number
	- Disability Information
	- Dependent info., PT exemption info. etc.
	ii) The system should capture different Employee Categories
	iii) The system should capture the following Organization information:
	- Tax Organization
	- PF Organization
	- Professional Tax Organization
	- ESI Organization
	- Establishment
	iv) The system should capture Previous Employment Information like
	- Designation
	- Annual Salary
	- PF Number

Sr. No.	Functional Requirement Specifications
	- PF Establishment code
	- No of LTC availed in the previous block
	- No of LTC availed in the current block
	- Leave Encashment amount
	- Gratuity Amount
	- VRS Amount
	- Gross Earnings for the current tax year
	- PF deduction for the current tax year
	- Professional tax paid in the current tax year
	- TDS deducted for the current tax year
	v) The system should Capture Nomination Information like
	- Nominee Details
	- Percentage
	- Relationship
	- Guardian Information for minors
	vi) The system should capture Information like
	- Legal Name
	- Establishment Details
	- TAN Number
	- Circle/ Ward/ Range
	- Employer Classification
	- Income Tax Challan Details
	- PF Information
	- PF Challan Details
	- ESI Details
	- ESI Challan Details
	- Profession Tax Information
	- Factory Information

Sr. No.	Functional Requirement Specifications
	vii) The system should Capture termination settlement details like
	- Notice Period Pay
	- Leave Encashment Information
	- Retrenchment Compensation
	- Voluntary Retirement
	- PF Settlement Details
	- Loan Recovery
	- Gratuity details
	- LIEN payments
	viii) Generation of appointment letter from ERP.
	ix) Option of a form to enable a new employee to enter his profile details into the ERP package. This shall reduce the effort in entering the details.
44	System should support for Allowances, Reimbursements, etc.
	a. Support encashment of Leave, LTC and on retirement with consequent tax adjustments
	b. Employee--wise recovery position, recovery list and outstanding balances list – month wise or as user defined
	c. Support calculation and payment of arrear/bonus with consequent tax adjustment
	d. Payment of medical reimbursement, allowances, recovery and taxation (if any)
	e. Support Recovery of club/ union contributions
	f. Housing loan/ other loan recovery of PFC and outside agencies and updating of it rebate/deductions and generation of reports
	g. Support payment of educational allowance, transfer allowances and any other user defined allowances with automatic updating of deductions, if any
	h. Support recovery of all other types of loans with reports like recoveries made, overdue list etc.
45	System should allow to manage the taxation details such as
	a. Ability to Define tax rules to determine employees tax liability as per changes by the Central Govt./ local statutory legislation for actual tax liability of employee.

Sr. No.	Functional Requirement Specifications
	b. Facility to provide investment declaration form in electronic format. The employee will be required to fill and submit the form electronically to automatically updating of salary record and tax calculation by the system.
	c. The system should ensure support for major statutory reports / certificates of taxes like Form 16 and Form 24 in the user defined format (16AA, 12BA AND 27A).
	d. Also, should support generation of employee's individual tax returns and generation of ETDS data.
	e. The system should Record employees' perquisites and other information relevant in computing their tax liability as tax components.
	f. The system should complete calculation and deduction of tax automatically / user defined
	g. The system should Project the tax liability of each employee for the period within a tax calendar based on the employee declaration of savings etc. and providing tax planners to the employee.
	h. Provision to manually adjust taxable earnings (in case of income from other sources, investments etc.)
	i. The system should Support separate tax tables for bonus pay calculations (Flat tax)
	j. The system should handle Exemptions and Rebates as per the Income Tax rules
	k. Professional tax deductions with exemptions, arrears and generation of related reports & challan
46	System should allow to maintain the deduction such as
	i) Provision to establish deduction limits for each deduction based on various parameters like:
	- Employee;
	- Job Classification;
	- Organization;
	- Benefit plan;
	- Salary
	ii) Provision to make deductions effective:
	- In the current period;

Sr. No.	Functional Requirement Specifications
	- In any pay period or periods selected;
	- In any user-defined frequency selected;
	- Between user-defined start and stop dates;
	- Until a user defined limit is reached
	iii) Start and stop dates for deductions should be maintained:
	- On the Employee Master file;
	- On employee level
	iv) Provision to reverse deduction to be included in next check if incorrectly withheld / Option with user
	v) Ability to apply or stop various deductions based on employee status changes (e.g., Leave without Pay)
47	System should allow the Management of Allowances such as
	i) The system should have provision to sanction ex-gratia online to any / all employees month.
	ii) The change in perks / pay component should be maintained online. Ex. DA, HRA & Fringe Benefit allowance etc.
	iii) Benefit such as special allowances for acquiring higher education.
	iv) Special allowances for additional assignment, special assignment, facilities etc.
48	System should allow payslip management such as
	i) The system should Provide for online ad-hoc calculation of employees pay slip amount.
	ii) The system should Perform on-line calculation of pay and benefits for terminated employee based upon termination date.
	iii) The system should have the ability to evaluate different scenarios for change in pay-roll structures.
	iv) System should provide an impact analysis tool for analysis of impact of revision of any / all components like pay, allowances, deductions etc.
	v) Provision to run Payroll multiple times before finalization to ensure accurate pay computation
	vi) The system should post the amount of salary paid for each element of pay for an employee, based on the relevant GL account code and employee's profit & cost centre. Financial postings include:

Sr. No.	Functional Requirement Specifications
	a. Description of pay code
	b. Amount
	c. GL Account
	d. Cost Centre
	vii) The system should Post salary payment advice including multiple payment methods such as bank, cash and cheque to General Ledger
	viii) Provision to issue third party payments.
	ix) Pay slip should be generated with following detail: -
	a. Taxable and non - taxable components in separate columns
	b. Tax till date, Calculated, Recovered, Projected.
	c. Loan balances and no. of instalments deducted / left
	d. Provident fund opening balance, interest till date, closing balance etc.
	x) CPF & Final Settlement Management
	xi) System should support pooling the monthly contribution of PF, CPF in to the CPF portal.
	xii) System should Support PF settlement process including generation of settlement sheets and relevant vouchers for accounting.
	xiii) System should support calculation of periodic interest and crediting the amount to the accounts.
	xiv) System should perform PF application processing, loan sanctioning, loan disbursement, modification of loan instalments, loan short closure, recovery through payroll, final settlement during closing/transfer for different type of PF loans.
	xv) System should maintain nominee details and payment to nominee in case of death of an employee.
	xvi) PF Returns like 7ps, 8ps and other statutory forms.
	xvii) Filing monthly ECR to RPFC office.
49	System should allow gratuity calculation such as
	i) System should perform gratuity calculation, provision & accounting employee wise as per user defined rules.
	ii) System should maintain nominee details and payment to nominee in case of death of an employee.

Sr. No.	Functional Requirement Specifications
50	HCM Related reporting requirement such as
	i) The system should have the mandatory forms and reports like
	- IT declaration form
	- Earnings/other income outside salary
	- Payroll Register
	- Pay slip (including leave/other payment details, IT deducted)
	- Perks calculation
	- Leave encashment
	- Tax calculation (at any point of time)
	- Combined Master Card (Annual/ Abstract)
	- Form 16A
	- Form 24Q
	- Form 12BA
	ii) The system should have an online Payslip
	iii) The system should have provision for generating adhoc payroll reports
	iv) The system should have provision for generating user defined reports
	v) The system should provide the following current and year-to-date totals on earnings statements:
	- Income tax;
	- Professional tax;
	- Any standard or user-defined deduction;
	- Any standard or user-defined pay type.
	vi) The system should display vacation status information on earnings statement
	vii) The system should display absence status information on earnings statement
	viii) TDS Challan at user-defined frequency (quarterly, yearly, etc).
	ix) The system should be able to generate the reports for each employee to show individual employee records which regards to leave register/ expenses/ PF details etc.

Sr. No.	Functional Requirement Specifications
51	System should enable income tax calculation such as
	i) The system should provide the functionality for:
	- Online "savings" detail entry screen
	ii) TDS deposit details and linkage against TDS deduction.
	- CTS credit thrift society
	- Arrear Calculation module.
	- Master card (combined)
	- Monthly summery
	- Payroll
	- Deduction schedule
	iii) Establishments
	iv) Medical Reimbursement
	v) Entertainment Reimbursement
	vi) Telephone Reimbursement
	vii) TA / DA
	viii) Lease Payments
	ix) Refreshment Reimbursement
	x) Advance to be dealt
	xi) Establishment: - Uniform, lease maintenance, car/ scooter maintenance, etc.
	xii) Others like (Residential office maintenance, Briefcase, Raincoat etc.)
	xiii) Should provide for monitoring the limits of reimbursable element of salary
	xiv) Should be able to generate CTC report for various level of employees, should also facilitate generation of projected employee costs based on certain estimated hike.
	xv) Should be able to integrate with HR module to monitor attendance and leave records and use the data in payroll processing.
	xvi) Should facilitate employee cost allocation based on pre-defined parameters.
	xvii) Should facilitate auto generation of e-return required u/s 205 of the I T Act.

Sr. No.	Functional Requirement Specifications
	xviii) Should have the facility to adjust excess/ short deduction of TDS,
	xix) Annual & Periodical Service Verification etc.
52	i) System should provide every course with a unique code, specific topics and objectives.
	ii) Ability to use planning tools to determine course demand for a period based on pre-bookings and/or actual attendance from the previous year.

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PART III	Conditions of Contract and Contract Forms

Section 6	General Conditions of Contract (GCC)

Section 6	General Conditions of Contract (GCC)

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1. General Provisions

1.1 Definitions

In the Conditions of Contract ("these Conditions"), which include Special Conditions of Contract, Parts A and B, and these General Conditions, the following words and expressions shall have the meanings stated. Words indicating persons or parties include corporations and other legal entities, except where the context requires otherwise.

1.1.1 The Contract

1.1.1.1 "**Contract**" means the Contract Agreement, the Letter of Acceptance, the Letter of Bid, these Conditions, the Specification, the Drawings, the Schedules, and the further documents (if any) which are listed in the Contract Agreement or in the Letter of Acceptance.

1.1.1.2 "**Contract Agreement"** means the contract agreement (*if any*) **referred** to in Sub-Clause 1.6 [Contract Agreement].

1.1.1.3 **"Letter of Acceptance**" means the letter of formal acceptance, signed by the Employer, of the Letter of Bid, including any annexed memoranda comprising agreements between and signed by both Parties. If there is no such letter of acceptance, the expression "Letter of Acceptance" means the Contract Agreement and the date of issuing or receiving the Letter of Acceptance means the date of signing the Contract Agreement.

1.1.1.4 **"Letter of Bid"** means the document entitled letter of bid, which was completed by the Contractor and includes the signed offer to the Employer for the Works.

1.1.1.5 **"Specification**" means the document entitled specification, as included in the Contract, and any additions and modifications to the specification in accordance with the Contract. Such document specifies the Works.

1.1.1.6 **"Drawings"** means the drawings of the Works, as included in the **Contract**, and any additional and modified drawings issued by (or on behalf of) the Employer in accordance with the Contract.

1.1.1.7 **"Schedules"** means the document(s) entitled schedules, completed by the Contractor and submitted with the Letter of Bid, as included in the Contract. Such document may include the Bill of Quantities, data, lists, and schedules of rates and/or prices.

1.1.1.8 **"Bid/Tender"** means the Letter of Technical Bid **and** Letter of Price Bid and all other documents which the Contractor submitted with the Letter of Technical Bid and Letter of Price Bid , as included in the Contract.

1.1.1.9 **"Bill of Quantities"** and **"Daywork Schedule**" and "Schedule of Payment Currencies" mean the documents so named (if any) which are comprised in the Schedules.

1.1.1.10 **"Contract Data"** means the pages completed by the Employer entitled

contract data which constitute Part A of the Special Conditions of Contract.

1.1.1.11 **"Employer's Requirements"** means the document entitled 'Employer's Requirements' as part of Works Requirements and as included in the Contract, and any additions and modifications to such document in accordance with the Contract. Such document specifies the purpose, scope, and/or design and/or other technical criteria, for the works.

1.1.2 Parties and Persons

1.1.2.1 **"Party"** means the Employer or the Contractor, as the context requires.

1.1.2.2 **"Employer"** means the person named as employer in the Contract Data and the legal successors in title to this person.

1.1.2.3 **"Contractor"** means the person(s) named as contractor in the Letter of Bid accepted by the Employer and the legal successors in title to this person(s).

1.1.2.4 **"Engineer"** means the person nominated by the Employer to act as the Engineer for the purposes of the Contract and named in the Contract Data, or other person appointed from time to time by the Employer and notified to the Contractor under Sub-Clause 3.4 [Replacement of the Engineer]. The person nominated to act as an engineer may be an employee of Rail Infrastructure Development Company (Karnataka) Ltd (K RIDE) or an employee of a Project Management Consultancy firm engaged by K RIDE for project management as per the discretion of the Employer.

1.1.2.5 **"**Contractor's **Representative"** means the person named by the Contractor in the Contract or appointed from time to time by the Contractor under Sub-Clause 4.3 [Contractor's Representative], who acts on behalf of the Contractor.

1.1.2.6 "Employer's **Representative"** means the person named by the Employer in the Contract or appointed from time to time by the Employer who acts on behalf of the Employer.

1.1.2.7 **"Employer's Personnel"** means the Engineer, the assistants referred to in Sub-Clause 3.2 [Delegation by the Engineer] and all other staff, labour and other employees of the Engineer and of the Employer; and any other personnel notified to the Contractor, by the Employer or the Engineer, as Employer's Personnel.

1.1.2.8 **"Contractor's Personnel"** means the Contractor's Representative and all personnel whom the Contractor utilises on Site, who may include the staff, labour and other employees of the Contractor and of each Subcontractor; and any other personnel assisting the Contractor in the execution of the Works.

1.1.2.9 **"**Subcontractor**"** means any person named in the Contract as a subcontractor, or any person appointed as a subcontractor, for a part of the Works; and the legal successors in title to each of these persons.

1.1.3 Dates, Tests, Periods and Completion

1.1.3.1 **"Base Date"** means the date 28 days prior to the deadline for submission of

bids.

1.1.3.2 **"**Commencement **Date**" means the date notified under Sub-Clause 8.1 [Commencement of Works].

1.1.3.3 **"Time for Completion"** means the time for completing the Works or a Section (as the case may be) under Sub-Clause 8.2 [Time for Completion], as stated
in the Contract Data (with any extension under Sub-Clause 8.4 [Extension of Time for Completion]), calculated from the Commencement Date.

1.1.3.4 **"Tests on Completion"** means the tests which are specified in the Contract or agreed by both Parties or instructed as a Variation, and which are carried out under Clause 9 [Tests on Completion] before the Works or a Section (as the case may be) are taken over by the Employer.

1.1.3.5 **"Taking-Over Certificate"** means a certificate issued under Clause 10 [Employer's Taking Over].

1.1.3.6 **"Tests after Completion"** means the tests (if any) which are specified in the Contract and which are carried out in accordance with the Specification after the Works or a Section (as the case may be) are taken over by the Employer.

1.1.3.7 **"Defects Notification Period"** means the period for notifying defects in the Works or a Section (as the case may be) under Sub-Clause 11.1 [Completion of Outstanding Work and Remedying Defects], as stated in the Contract Data (with any extension under Sub-Clause 11.3 [Extension of Defects Notification Period]), calculated from the date on which the Works or Section is completed as certified under Sub-Clause 10.1 [Taking Over of the Works and Sections].

1.1.3.8 **"Performance Certificate"** means the certificate issued under Sub-Clause 11.9 [Performance Certificate].

1.1.3.9 "**Day"** means any (working or non-working) calendar day from 00:00 hrs. to 24:00 hrs.

1.1.3.10 **"Months"** means any calendar month of the Gregorian calendar year.

1.1.3.11 **"Year"** means 365 days

1.1.3.12 "**Time** Periods" Any reference to time period commencing "from" the specified day or date "till" or "until" a specified day shall include both such days.

1.1.3.13 Any reference to **"Time"** shall be according to Indian Standard Time (IST).

1.1.4 Money and Payments

1.1.4.1 "Accepted Contract Amount" means the amount accepted in the Letter of Acceptance for the execution and completion of the Works and the remedying of any defects. In the Letter of Acceptance, the Accepted Contract Amount shall have two components i.e. (i) the base amount excluding GST (ii) GST component (calculated at the rate for works contract service as per GST Laws).

1.1.4.2 **"Contract Price"** means the price defined in Sub-Clause 14.1 [The Contract Price], and includes adjustments in accordance with the Contract.

1.1.4.3 **"Cost"** means all expenditure reasonably incurred (or to be incurred) by the Contractor, whether on or off the Site, including overhead and similar charges, but does not include profit.

1.1.4.4 **"Final** Payment **Certificate"** means the payment certificate issued under Sub-Clause 14.13 [Issue of Final Payment Certificate].

1.1.4.5 **"Final Statement"** means the statement defined in Sub-Clause 14.11 [Application for Final Payment Certificate].

1.1.4.6 **"Foreign Currency"** means a currency in which part (or all) of the Contract Price is payable, but not the Local Currency.

1.1.4.7 **"Interim Payment Certificate**" means a payment certificate issued under Clause 14 [Contract Price and Payment], other than the Final Payment Certificate.

1.1.4.8 **"Local Currency"** means the currency in Indian Rupees.

1.1.4.9 **"Payment Certificate"** means a payment certificate issued under Clause 14 [Contract Price and Payment].

1.1.4.10 **"Provisional Sum"** means a sum (if any) which is specified in the Contract as a provisional sum, for the execution of any part of the Works or for the supply of Plant, Materials or services under Sub-Clause 13.5 [Provisional Sums].

1.1.4.11 **"Retention Money"** means the accumulated retention moneys which the Employer retains under Sub-Clause 14.3 [Application for Interim Payment Certificates] and pays under Sub-Clause 14.9 [Payment of Retention Money].

1.1.4.12 **"Statement"** means a statement submitted by the Contractor as part of an application, under Clause 14 [Contract Price and Payment], for a payment certificate.

1.1.5 Works and Goods

1.1.5.1 **"Contractor's Equipment**" means all apparatus, machinery, vehicles and other things required for the execution and completion of the Works and the remedying of any defects. However, Contractor's Equipment excludes Temporary Works, Employer's Equipment (if any), Plant, Materials and any other things intended to form or forming part of the Permanent Works.

1.1.5.2 **"Goods"** means Contractor's Equipment, Materials, Plant and Temporary Works, or any of them as appropriate.

1.1.5.3 **"Materials"** means things of all kinds (other than Plant) intended to form or forming part of the Permanent Works, including the supply-only materials (if any) to be supplied by the Contractor under the Contract.

1.1.5.4 **"Permanent Works"** means the permanent works to be executed by the Contractor under the Contract.

1.1.5.5 **"Plant"** means the apparatus, machinery and vehicles intended to form or

forming part of the Permanent Works.

1.1.5.6 **"Section**" means a part of the Works specified in the Contract Data as a Section (if any).

1.1.5.7 **"Temporary Works"** means all temporary works of every kind (other than Contractor's Equipment) required on Site for the execution and completion of the Permanent Works and the remedying of any defects.

1.1.5.8 **"Works"** mean the Permanent Works and the Temporary Works, or either of them as appropriate.

1.1.6 Other Definitions

1.1.6.1 **"Contractor's** Documents" means the calculations, computer programs and other software, drawings, manuals, models and other documents of a technical nature (if any) supplied by the Contractor under the Contract.

1.1.6.2 **"Country**" means India, the country in which the Site (or most of it) is located, where the Permanent Works are to be executed.

1.1.6.3 **"Employer's Equipment**" means the apparatus, machinery and vehicles (if any) made available by the Employer for the use of the Contractor in the execution of the Works, as stated in the Specification; but does not include Plant which has not been taken over by the Employer.

1.1.6.4 **"Force Majeure**" is defined in Clause 19 [Force Majeure].

1.1.6.5 **"Laws"** means all national (or state) legislation, statutes, ordinances and other laws, and regulations and by-laws of any legally constituted public authority.

1.1.6.6 **"Performance Security**" means the security (or securities, if any) under Sub-Clause 4.2 [Performance Security].

1.1.6.7 **"Site"** means the places where the Permanent Works are to be executed and to which Plant and Materials are to be delivered, and any other places as may be specified in the Contract as forming part of the Site.

1.1.6.8 **"Unforeseeable**" means not reasonably foreseeable and against which adequate preventive precautions could not reasonably be taken by an experienced contractor by the date for submission of the Bid.

1.1.6.9 **"Variation**" means any change to the Works, which is instructed or approved as a variation under Clause 13 [Variations and Adjustments].

1.1.6.10 **"Railway"** means a railway, or any portion of a railway for public carriage of passengers and goods as defined in the Railways ACT 1989. Any reference to railway means the Indian Railways and the respective Zonal Railway

1.2 Interpretation

In the Contract, except where the context requires otherwise:

(a) words indicating one gender include all genders;

(b) words indicating the singular also include the plural and words indicating the plural

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also include the singular;

(c) provisions including the word “agree,” “agreed” or “agreement” require the agreement to be recorded in writing;

(d) “written” or “in writing” means hand-written, type-written, printed or electronically made, and resulting in a permanent record; and

(e) the word “tender” is synonymous with “bid”, and “tenderer” with “bidder” and the words “tender documents” with “bidding documents”

The marginal words and other headings shall not be taken into consideration in the interpretation of these Conditions.

In these Conditions, provisions including the expression "Cost plus profit" require this profit to be one twentieth (5%) of this Cost unless otherwise indicated in the Contract Data.

1.3 Communications

Wherever these Conditions provide for the giving or issuing of approvals, certificates, consents, determinations, notices, requests and discharges, these communications shall be:

(a) in writing and delivered by hand (against receipt), sent by mail or courier, or transmitted using any of the agreed systems of electronic transmission as stated in the Contract Data; and

(b) delivered, sent or transmitted to the address for the recipient’s communications as stated in the Contract Data. However:

  (i) if the recipient gives notice of another address, communications shall thereafter be delivered accordingly; and

  (ii) if the recipient has not stated otherwise when requesting an approval or consent, it may be sent to the address from which the request was issued.

Approvals, certificates, consents and determinations shall not be unreasonably withheld or delayed. When a certificate is issued to a Party, the certifier shall send a copy to the other Party. When a notice is issued to a Party, by the other Party or the Engineer, a copy shall be sent to the Engineer or the other Party, as the case may be.

1.4 Law and Language

The Contract shall be governed by the law of the country or other jurisdiction stated in the Contract Data.

The ruling language of the Contract shall be that stated in the Contract Data.

The language for communications shall be that stated in the Contract Data. If no language is stated there, the language for communications shall be the ruling language of the Contract.

1.5 Priority of Documents

The documents forming the Contract are to be taken as mutually explanatory of one

another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence:

(a) the Contract Agreement (if any),

(b) the Letter of Acceptance,

(c) the Letter of bid,

(d) the Schedules (including Priced Bill of Quantities),

(e) Special Conditions of Contract:

(i) Part A – Contract Data

(ii) Part B - Specific Provisions

(f) the General Conditions of Contract

(g) Works/Employer's Requirements,

(h) the Drawings,

(i) any other documents forming part of the Contract.

If an ambiguity or discrepancy is found in the documents, the Engineer shall issue any necessary clarification or instruction.

1.6 Contract Agreement

The Parties shall enter into a Contract Agreement within 28 days after the Contractor receives the Letter of Acceptance, unless they agree otherwise. The Contract Agreement shall be based upon the form annexed to the Special Conditions of Contract. The costs of stamp duties and similar charges (if any) imposed by law in connection with entry into the Contract Agreement shall be borne by the Employer.

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1.7 Assignment

Neither Party shall assign the whole or any part of the Contract or any benefit or interest in or under the Contract. However, either Party:

(a) may assign the whole or any part with the prior agreement of the other Party, at the sole discretion of such other Party, and

(b) may, as security in favour of a bank or financial institution, assign its right to any moneys due, or to become due, under the Contract.

1.8 Care and Supply of Documents

The Specification and Drawings shall be in the custody and care of the Employer. Unless otherwise stated in the Contract, two copies of the Contract and of each subsequent Drawing shall be supplied to the Contractor, who may make or request further copies at the cost of the Contractor.

Each of the Contractor's Documents shall be in the custody and care of the Contractor, unless and until taken over by the Employer. Unless otherwise stated in the Contract, the Contractor shall supply to the Engineer six copies of each of the Contractor's Documents.

The Contractor shall keep, on the Site, a copy of the Contract, publications named in the Specification, the Contractor's Documents (if any), the Drawings and Variations and other communications given under the Contract. The Employer's Personnel shall have the right

of access to all these documents at all reasonable times.

If a Party becomes aware of an error or defect in a document which was prepared for use in executing the Works, the Party shall promptly give notice to the other Party of such error or defect.

1.9 Delayed Drawings or Instructions

The Contractor shall give notice to the Engineer whenever the Works are likely to be delayed or disrupted if any necessary drawing or instruction is not issued to the Contractor within a particular time, which shall be reasonable. The notice shall include details of the necessary drawing or instruction, details of why and by when it should be issued, and details of the nature and amount of the delay or disruption likely to be suffered if it is late.If the Contractor suffers delay and/or incurs Cost as a result of a failure of the Engineer to issue the notified drawing or instruction within a time which is reasonable and is specified in the notice with supporting details, the Contractor shall give a further notice to the Engineer and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:

(a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and

(b) payment of any such Cost , which shall be included in the Contract Price.

After receiving this further notice, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.

However, if and to the extent that the Engineer's failure was caused by any error or delay by the Contractor, including an error in, or delay in the submission of, any of the Contractor's Documents, the Contractor shall not be entitled to such extension of time, Cost or profit

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1.10 Employer's Use of Contractor's Documents

As between the Parties, the Contractor shall retain the copyright and other intellectual property rights in the Contractor's Documents and other design documents made by (or on behalf of) the Contractor.

The Contractor shall be deemed (by signing the Contract) to give to the Employer a non-terminable transferable non-exclusive royalty-free licence to copy, use and communicate the Contractor's Documents, including making and using modifications of them. This licence shall:

(a) apply throughout the actual or intended working life (whichever is longer) of the relevant parts of the Works,

(b) entitle any person in proper possession of the relevant part of the Works to copy, use and communicate the Contractor's Documents for the purposes of completing, operating, maintaining, altering, adjusting, repairing and demolishing the Works, and

(c) in the case of Contractor's Documents which are in the form of computer programs and other software, permit their use on any computer on the Site and other places as envisaged by the Contract, including replacements of any computers supplied by the Contractor.

The Contractor's Documents and other design documents made by (or on behalf of) the Contractor shall not, without the Contractor's consent, be used, copied or communicated to a third party by (or on behalf of) the Employer for purposes other than those permitted

under this Sub-Clause.

1.11 Contractor's Use of Employer's Documents

As between the Parties, the Employer shall retain the copyright and other intellectual property rights in the Specification, the Drawings and other documents made by (or on behalf of) the Employer. The Contractor may, at his cost, copy, use, and obtain communication of these documents for the purposes of the Contract. They shall not, without the Employer's consent, be copied, used or communicated to a third party by the Contractor, except as necessary for the purposes of the Contract.

1.12 Confidential Details

The Contractor shall disclose all such confidential and other information as the Engineer may reasonably require in order to verify the Contractor's compliance with the Contract.

The Contractor shall treat the details of the Contract as private and confidential, except to the extent necessary to carry out the Contractor's obligations under the Contract or to comply with applicable Laws. The Contractor shall not publish or disclose any particulars of the Works without the previous agreement of the Employer. However, the Contractor shall be permitted to disclose any publicly available information, or information otherwise required to establish his qualifications to compete for other projects.

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1.13 Compliance with Laws

The Contractor shall, in performing the Contract, comply with applicable Laws. Unless otherwise stated in the Special Conditions of Contract:

(a) the Employer shall have obtained (or shall obtain) the planning, zoning or similar permission for the Permanent Works, and any other permissions described in the Specification as having been (or being) obtained by the Employer; and the Employer shall indemnify and hold the Contractor harmless against and from the consequences of any failure to do so; and

(b) the Contractor shall give all notices, pay all taxes, duties and fees, and obtain all permits, licences and approvals, as required by the Laws in relation to the execution and completion of the Works and the remedying of any defects; and the Contractor shall indemnify and hold the Employer harmless against and from the consequences of any failure to do so.

1.14 Joint and Several Liability

If the Contractor constitutes (under applicable Laws) a joint venture of two or more persons/firms:

(a) these persons shall be deemed to be jointly and severally liable to the Employer for the performance of the Contract;

(b) these persons shall notify the Employer of their leader who shall have authority to bind the Contractor and each of these persons; and

(c) the Contractor shall not alter its composition or legal status without the prior consent

of the Employer.

(d) In the event of default by any partner of joint venture, on or after achieving 25% of the financial progress (excluding advance if any) the lead partner or remaining partner(s), in case the defaulting partner is the lead partner, shall notify the Employer within twenty eight (28) days of the occurrence and within Fifty six (56) days of the said notification, the lead partner or remaining partner(s), who are not the defaulting partner, shall assign the works of the defaulting partner, to equally competent party with prior consent of the Employer. For this purpose the term "equally competent party" shall mean as under:

"The new JV partner replacing the defaulting partner should meet the EQC requirement of package/combination of packages which was met by the defaulting partner on the basis of which the original tender was awarded."

The replacement of any defaulting partner, with the new partner shall be subject to the condition that the new partner has to submit additional performance security equal to 10% of balance cost of work of the JV partner being replaced. The performance security submitted by the defaulting partner shall also continue with K RIDE till satisfactory completion of the work.

e) Notwithstanding the consent of the Employer for change in composition or legal status of the joint venture the partners shall continue to be jointly and severally liable to the Employer.

f) The joint venture shall enter into a joint venture agreement incorporating the provisions of sub-paras (a) to (e) based upon the form annexed to the Conditions of Contract. The JV agreement shall indicate precisely the specific role of all members of the JV in respect of planning, design, construction equipment, key personnel, work execution, and financing of the project. The authority to sign the agreement shall be evidenced by approved legal instruments.

Notwithstanding the contents of the sub-clauses above, if the performance of any JV partner is not found satisfactory by the Employer, in respect of the responsibilities assigned to him as per JV agreement which is a part of this agreement, the Employer may issue notice of such default to the said JV partner or the JV (depending upon reasons of default) and declare the said JV partner or the JV as Poor Performer. The issue of such notice shall automatically debar the JV partner or JV as the case may be from participating in any K RIDE tender from the date of issue of notice of default.

1.15 Inspections by the Employer

The Contractor shall permit the Employer and/or persons appointed by the Employer to inspect the Site and/or the Contractor's records relating to the performance of the Contract.

1.16 Bidder's Credentials:

The bidder shall submit an affidavit on a stamp paper to the effect that all the documents submitted by her along with her bid are true. This shall be mandatory all bids. The bid shall be summarily rejected if the bidder fails to submit this undertaking along with the bid.

After opening the financial bid, the tender committee shall verify the credentials of the bidder who is declared as the lowest bidder(L1)for their authenticity. In case the credentials of L1 are not found to be in order, her bid shall be treated as technically unresponsive and thus invalid. The process shall be repeated for the next higher bidder till the valid L1 is established. If any document (or copy thereof) submitted by a bidder is found to be false/forged:

(a) The bidder/each partner/member of the bidding firm shall be liable to legal actions apart from punitive actions, as decided by competent authority of K-RIDE. In such an eventuality. The bid shall also be summarily rejected.

(b) If the contract has already been awarded, or Letter of Acceptance (LoA) has been issued and in the event of any failure to comply with the above, the contract shall be terminated, irrespective of the stage of progress in execution of the work. In such an eventuality, Security Deposit (SD), performance Guarantee (PG) and partial/full payments otherwise due to the contractor, in respect of the partial/full work executed by the contractor, shall be forfeited by the K-RIDE.

(c) Other punitive actions, like banning the bidder and partners/members of the biding firm for future dealings with K-RIDE/Government of India/ Government of Karnataka may also be taken.

2	The Employer

2.1 Right of Access to the Site

The Employer shall give the Contractor right of access to, and possession of, all parts of the Site within the time (or times) stated in the Contract Data. The right and possession may not be exclusive to the Contractor. If, under the Contract, the Employer is required to give (to the Contractor) possession of any foundation, structure, plant or means of access, the Employer shall do so in the time and manner stated in the Specification. However, the Employer may withhold any such right or possession until the Performance Security has been received.

If no such time is stated in the Contract Data, the Employer shall give the Contractor right of access to, and possession of, the Site within such times as may be required to enable the Contractor to proceed in accordance with the programme submitted under Sub-Clause 8.3 [Programme].

If the Contractor suffers delay as a result of a failure by the Employer to give any such right or possession within such time, the Contractor shall give notice to the Engineer and shall be entitled to:

(a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and

(b) new rates in terms of clause 12.3.1 (c) .

After receiving this notice, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.

However, if and to the extent that the Employer's failure was caused by any error or delay by the Contractor, including an error in, or delay in the submission of, any of the Contractor's Documents, the Contractor shall not be entitled to such extension of time or new rates.

2.2 Permits, Licenses or Approvals

The Employer shall (where he is in a position to do so) provide reasonable assistanceto the Contractor at the request of the Contractor:

(a) by obtaining copies of the Laws of the Country which are relevant to the Contract but are not readily available, and

(b) for the Contractor's applications for any permits, licences or approvals required by the Laws of the Country:

  (i) which the Contractor is required to obtain under Sub-Clause 1.13 [Compliance with Laws],

  (ii) for the delivery of Goods, including clearance through customs, and

  (iii) for the export of Contractor's Equipment when it is removed from the Site.

2.3 Employer's Personnel

The Employer shall be responsible for ensuring that the Employer's Personnel and the Employer's other contractors on the Site:

(a) co-operate with the Contractor's efforts under Sub-Clause 4.6 [Co-operation], and

(b) take actions similar to those which the Contractor is required to take under sub-paragraphs (a), (b) and (c) of Sub-Clause 4.8 [Safety Procedures] and under Sub-Clause 4.18 [Protection of the Environment].

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2.4 Employer's Financial Arrangements

The Employer has sourced the funds to finance the project

2.5 Employer's Claims

If the Employer considers himself to be entitled to any payment under any Clause of these Conditions or otherwise in connection with the Contract, and/or to any extension of the Defects Notification Period, the Employer or the Engineer shall give notice and particulars to the Contractor. However, notice is not required for payments due under Sub-Clause 4.19 [Electricity, Water and Gas], under Sub-Clause 4.20 [Employer's Equipment and Free-Issue Material], or for other services requested by the Contractor.

The notice shall be given as soon as practicable after the Employer became aware, or should have become aware, of the event or circumstances giving rise to the claim. A notice relating to any extension of the Defects Notification Period shall be given before the expiry of such period.

The particulars shall specify the Clause or other basis of the claim, and shall include substantiation of the amount and/or extension to which the Employer considers himself to be entitled in connection with the Contract. The Engineer shall then proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine (i) the amount (if any) which the Employer is entitled to be paid by the Contractor, and/or (ii) the extension (if any) of the Defects Notification Period in accordance with Sub-Clause 11.3 [Extension

of Defects Notification Period].

This amount may be included as a deduction in the Contract Price and Payment Certificates. The Employer shall only be entitled to set off against or make any deduction from an amount certified in a Payment Certificate, or to otherwise claim against the Contractor, in accordance with this Sub-Clause.

3	The Engineer

3.1 Engineer's Duties and Authority

The Employer shall appoint the Engineer who shall carry out the duties assigned to him in the Contract. The Engineer's staff shall include suitably qualified engineers and other professionals who are competent to carry out these duties.

The Engineer shall have no authority to amend the Contract.

The Engineer may exercise the authority attributable to the Engineer as specified in or necessarily to be implied from the Contract.

However, the Engineer shall obtain the specific approval of the Employer before taking action under the-following Sub-Clauses of these Conditions:

(a) Sub-Clause 4.12-Unforeseeable Physical Conditions: Agreeing or determining an extension of time and/or additional cost.

(b) Sub-Clause 8.4-Extension of Time for Completion: Agreeing or determining extension of time.

(c) Sub-Clause 11.9-Performance Certificate: Issue of Performance Certificate.

(d) Sub-Clause 13.1-Instructing a Variation: Except,

  i) in an emergency situation as determined by the Engineer and as amplified in sub-paras (h) and (i) below, or

  ii) for other situations, if the variation in quantity of any item does not exceed 25% of the stipulated quantity in the agreement, the variation in quantity in such item does not result in increase in excess of 0.1% of contract price and variation in quantity in such item does not result in cumulative variation in contract price in excess of 2%.

(e) Sub-Clause 13.3-Variation Procedure: Approving a proposal for Variation submitted by the Contractor in accordance with Sub Clause 13.1 or 13.2.

(f) Sub-Clause 13.4-Payment in applicable Currencies: Specifying the amount payable in each of the applicable currencies for a Variation.

(g) Clause 20.1: Contractor Claims for extension of time and/or additional payment.

(h) Notwithstanding the obligation, as set out above, to obtain approval, if, in the opinion of the Engineer, an emergency occurs affecting the safety of life or of the Works or of adjoining property, he may, without relieving the Contractor of any of his duties and responsibility under the Contract, instruct the Contractor to execute all such work or to do all such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forthwith comply, despite the absence of approval of the Employer, with any such instruction of the Engineer. The Engineer

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shall determine an addition to the Contract Price, in respect of such instruction, in accordance with Clause 13 and shall notify the Contractor accordingly, with a copy to the Employer.

(i) In case the emergency mentioned in above Sub-paras occurs on account of failure of Contractor, by way of not adhering to the approved scheme of work or not taking adequate safety precautions or by any other reason attributable to the contractor, then no additional amounts shall be paid to the Contractor for attending to such emergencies and the Contractor shall be liable for Employer's claims.

(j) Sub-clause 4.4 regarding deployment of Sub-Contractors.

3.2 Delegation by the Engineer

The Engineer may from time to time assign duties and delegate authority to assistants, and may also revoke such assignment or delegation. These assistants may include a resident engineer, and/or independent inspectors appointed to inspect and/or test items of Plant and/or Materials. The assignment, delegation or revocation shall be in writing and shall not take effect until copies have been received by both Parties.

However, unless otherwise agreed by both Parties, the Engineer shall not delegate the authority to determine any matter in accordance with Sub-Clause 3.5 [Determinations].

Assistants shall be suitably qualified persons, who are competent to carry out these duties and exercise this authority, and who are fluent in the language for communications defined in Sub-Clause 1.4 [Law and Language].

Each assistant, to whom duties have been assigned or authority has been delegated, shall only be authorised to issue instructions to the Contractor to the extent defined by the delegation. Any approval, check, certificate, consent, examination, inspection, instruction, notice, proposal, request, test, or similar act by an assistant, in accordance with the delegation, shall have the same effect as though the act had been an act of the Engineer. However:

(a) any failure to disapprove any work, Plant or Materials shall not constitute approval, and shall therefore not prejudice the right of the Engineer to reject the work, Plant or Materials;

(b) if the Contractor questions any determination or instruction of an assistant, the Contractor may refer the matter to the Engineer, who shall promptly confirm, reverse or vary the determination or instruction.

3.3 Instructions of the Engineer

The Engineer may issue to the Contractor (at any time) instructions and additional or modified Drawings which may be necessary for the execution of the Works and the remedying of any defects, all in accordance with the Contract. The Contractor shall only take instructions from the Engineer, or from an assistant to whom the appropriate authority has been delegated under this Clause. If an instruction constitutes a Variation, Clause 13 [Variations and Adjustments] shall apply.

The Contractor shall comply with the instructions given by the Engineer or delegated assistant, on any matter related to the Contract. Whenever practicable, their instructions shall be given in writing. If the Engineer or a delegated assistant,

(a) gives an oral instruction and

(b) receives a written confirmation of the instruction, from (or on behalf of) the Contractor, within two working days after giving the instruction, and

(c) does not reply by issuing a written rejection and/or instruction within two working days after receiving the confirmation,

(d) then the confirmation shall constitute the written instruction of the Engineer or delegated assistant (as the case may be).

3.4 Replacement of the Engineer

Notwithstanding Sub-Clause 3.1, if the Employer intends to replace the Engineer, the Employer shall, not less than 21 days before the intended date of replacement, give notice to the Contractor of the name, address and relevant experience of the replacement Engineer.

3.5 Determinations

Whenever these Conditions provide that the Engineer shall proceed in accordance with this Sub-Clause 3.5 to agree or determine any matter, the Engineer shall consult with each Party in an endeavour to reach agreement. If agreement is not achieved, the Engineer shall make a fair determination in accordance with the Contract, taking due regard of all relevant circumstances.

The Engineer shall give notice to both Parties of each agreement or determination, with supporting particulars. Each Party shall give effect to each agreement or determination unless and until revised under Clause 20 [Claims, Disputes and Arbitration].

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4 The Contractor

4.1 Contractor's General Obligations

The Contractor shall design (to the extent specified in the Contract), execute and complete the Works in accordance with the Contract and with the Engineer's instructions, and shall remedy any defects in the Works.

The Contractor shall provide the Plant and Contractor's Documents specified in the Contract, and all Contractor's Personnel, Goods, consumables and other things and services, whether of a temporary or permanent nature, required in and for this design, execution, completion and remedying of defects.

All equipment, and material, to be incorporated in or required for the Works shall be procured from approved sources as stipulated in the Contract.

The Contractor shall be responsible for the adequacy, stability and safety of all Site operations and of all methods of construction. Except to the extent specified in the

Contract, the Contractor (i) shall be responsible for all Contractor's Documents, Temporary Works, and such design of each item of Plant and Materials as is required for the item to be in accordance with the Contract, and (ii) shall not otherwise be responsible for the design or specification of the Permanent Works.

The Contractor shall, whenever required by the Engineer, submit details of the arrangements and methods which the Contractor proposes to adopt for the execution of the Works. No significant alteration to these arrangements and methods shall be made without this having previously been notified to the Engineer.

On completion of the works, the contractor shall arrange to furnish to the Employer two (2) bound sets of all "As Built" drawings for every component of the Works at his own cost, all such copies being on Polyester film of quality to be approved by the Engineer or his Representative. The Taking – over Certificate of the Works, as per the provisions of Clause 10.1 herein, shall not be issued by the Engineer in the event of the Contractor's failure to furnish the aforesaid "As Built" drawings for the entire works.

If the Contract specifies that the Contractor shall design any part of the Permanent Works, then unless otherwise stated in the Special Conditions of Contract:

(a) the Contractor shall submit to the Engineer the Contractor's Documents for this part in accordance with the procedures specified in the Contract;

(b) these Contractor's Documents shall be in accordance with the Specification and Drawings, shall be written in the language for communications defined in Sub-Clause 1.4 [Law and Language], and shall include additional information required by the Engineer to add to the Drawings for co-ordination of each Party's designs;

(c) the Contractor shall be responsible for this part and it shall, when the Works are completed, be fit for such purposes for which the part is intended as are specified in the Contract; and

(d) prior to the commencement of the Tests on Completion, the Contractor shall submit to the Engineer the "as-built" documents and operation and maintenance manuals in accordance with the Specification and in sufficient detail for the Employer to operate, maintain, dismantle, reassemble, adjust and repair this part of the Works. Such part shall not be considered to be completed for the purposes of taking-over under Sub-Clause 10.1 [Taking Over of the Works and Sections] until these documents and manuals have been submitted to the Engineer.

4.2 (a) Performance Security

The Contractor shall obtain (at his cost) a Performance Security and an additional Performance Security, if any in terms of ITB 35.5, for proper performance of the contract, for the amount, currencies and validity period for Performance Security stated in the Contract Data. If an amount is not stated in the Contract Data, this Sub-Clause shall not apply.

The successful bidders shall have to submit a Performance Guarantee (PG) Within twenty-one (21) days from the date of issue of Letter of Acceptance (LOA). Extension of time for submission of PG beyond 21 days upto 60 days from the date of issue of LOA

may be given by the authority who is competent to sign the contract agreement. However a penal interest of 12% of per annum shall be charged for the delay beyond 21 days, i.e. From 22nd day after the date of issue of LOA. Further if the 60th day happens to be declared holiday in the office of K-RIDE, submission of PG can be accepted on the next working day.

In all other cases if the contractor fails to submit the requisite PG even after 60 days from the date of issue of LOA, the contract is liable to be terminate. In case contract is terminated K-RIDE shall be entitled to forfeit the Bid security and other dues payable against to the contract. In case the tenderer has not submitted by security on the strength of their registration as a startup recognized by the Department of Industrial Policy and Promotion (DIPP) under Ministry of Commerce and Industry, DIPP shall be informed to this effect. The failed contractor shall be debarred from participating in re-tender for the work.

The Contractor shall deliver the Performance Security and additional Performance Security, if any, to the Employer within 21 days after receiving the Letter of Acceptance, and shall send a copy to the Engineer. The Performance Security/additional Performance Security shall be issued by an entity and from within a country (or other jurisdiction) approved by the Employer, and shall be in the form as given in Section 8 (Contract Forms) or in another form specifically approved by the Employer.

The Performance Security/additional Performance Security shall be, at the Contractor's option, in any of the following forms:

An unconditional Bank guarantee in the prescribed format

A Pay Order / Demand Draft drawn on a Scheduled / Nationalized Bank in India in favour of "Rail Infrastructure Development Company (Karnataka) Ltd" payable at Bangalore

FDR in favour of "Rail Infrastructure Development Company (Karnataka) Ltd." (free from any encumbrance).

A deposit of cash or online bank transfer to K RIDE account

The bank guarantee shall be from a bank having minimum net-worth of over INR 500 million from the specified banks as under:

a Schedule Bank in India, or

a Foreign Bank having their operations in India, or

a Foreign Bank which does not have operations in India is required to provide a counter-guarantee by State Bank of India,

The Scheduled Bank is suing the Bank Guarantee must be on "Structured Financial Messaging System(SFMS)"platform. A separate advice of the BG shall be invariable be sent by the issuing bank to the Employer's Bank through SFMS and only after this the BG shall become operative and acceptable to the Employer.

The Issuing Bank shall send the SFMS to:

Beneficiary: Rail Infrastructure Development Company (Karnataka) Ltd. (K-RIDE)

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Bank Name: Canara Bank
Branch: Prime Corporate Branch
Account No. 0430201012110
IFSC Code: CNRB0002636

In case the contractor is a JV; "the Performance Security/additional Performance Security, if any in terms of ITB 35.5, shall be submitted by each JV Partner separately on behalf of the JV in favour of K RIDE in proportion of their respective percentage share specified in the JV Agreement. The additional Performance Security shall be submitted by the partner(s) responsible for execution of schedule(s) (as per JV agreement) against which additional Performance Security is required to be submitted in terms of ITB 35.5. However,

Submission of Performance Guarantee Security by individual partners on behalf of the JV shall in no way dilute their Joint & Several responsibility. The Employer shall be entitled to recover the amount of Bank Guarantees individually and all the Partners jointly at its discretion."

The Contractor shall ensure that the Performance Security/additional Performance Security is valid and enforceable until the Contractor has executed and completed the Works and remedied defects, if any. If the contractor does not complete the work for any reasons whatsoever, the terms of the Performance Security/ additional Performance Security specify its expiry date, and the Contractor has not become entitled to receive the Performance Certificate by the date 28 days prior to the expiry date, the Contractor shall be bound to extend the validity of the Performance Security/additional Performance Security until the Works have been completed and any defects have been remedied.

The Guarantees shall be unconditional and irrevocable. The Employer shall return the Performance Security to the Contractor within 21 days after receiving a copy of the Performance Certificate or passing of the Final Payment Certificate whichever is later. However, on completion of specified section(s) and successful passage of defect liability period for such section(s) along with execution of any leftover works at the time of completion of such section(s), the contractor shall be entitled for release of 90% of the proportionate Performance Security calculated as specified in Contract Data subject to the condition that Engineer certifies that no recoveries are pending in the contract. In case Engineer points out amount to be recovered then the contractor shall be entitled for release of 90% of the proportionate Performance Security calculated as specified in Contract Data minus the amount to be recovered.

The Employer shall return additional Performance Security submitted in terms of ITB 35.5 as per the following;

If the contractor submits an application stating that all the works against the particular schedule(s)/bill(s) for which additional Performance Security was submitted in terms of ITB 35.5 have been completed in all respect, then the Employer, on being satisfied with the claim of the contractor, shall return the full additional Performance Security against the particular schedule(s). Decision of the Employer regarding completion of works against a particular schedule/bill shall be final and binding on the contractor.

If the contractor submits an application stating that majority of the works (physical progress being not less than 90%) against the particular schedule(s)/bill(s) for which additional Performance Security was submitted in terms of ITB 35.5 have been completed and execution of balance works is held up for reasons not attributable to the Contractor, then the Employer, on being satisfied with the claim of the contractor, shall return 75% of the amount of additional Performance Security against the particular schedule(s). The balance amount of additional Performance Security shall however be returned only after completion of the works against the particular schedule(s)/bill(s) for which additional Performance Security was submitted in terms of ITB 35.5, in all respects to the satisfaction of the Employer. Decision of the Employer regarding completion of works against a particular schedule/bill shall be final and binding on the contractor.

Without limitation to the provisions of the rest of this Sub-Clause, whenever the Engineer determines an addition or a reduction to the Contract Price as a result of a change in cost and/or legislation or as a result of a Variation amounting to more than 25 percent of the portion of the Contract Price payable in a specific currency, the Contractor shall at the Engineer's request promptly submit Performance Guarantee @ 10% of the increased amount over the original contract price in a specific currency. On the other hand if the value of contract price decreases by more than 25% of the original contract price payable in a specific currency, Performance Guarantee @ 10% of the decrease in contract price from the original contract price in a specific currency shall be returned to the contractor, on his request.

Wherever the contract is terminated under Clause 15.2, the Performance Guarantee shall be encashed by the Employer:

in full including additional performance guarantee amount, if any, taken in terms of sub clause 35.5 of ITB and not due for release on the date of issue of termination letter in terms of this clause, in case of termination of the contract as a whole; Or

at the discretion of the Employer it may be encashed in part/parts proportionate to the Contract price of the bill/schedule to which the terminated part of work belongs i.e P=(A x B)÷C where

P=Proportionate Bank Guarantee Amount.

A=Contract price of the particular bill/schedule to which the terminated part of work belongs.

B=Performance Guarantee amount in terms of GCC sub clause 4.2.

C=Total Contract price.

Plus additional performance Guarantee amount, if any, taken in terms of sub clause 35.5 of ITB and not due for release on the date of issue of termination letter in terms of this clause against this particular bill/schedule to which the terminated part of the work belongs, in case of termination in part/parts.

The balance work should be got done separately, and independently by K RIDE without risk and cost of the original contractor. The original contractor shall be debarred from participating in the tender for executing the balance work. If the failed contractor is a JV or a partnership firm, then every member/partner of such a firm would be debarred from participating in the tender for the balance work either in his/her individual capacity or as a partner of any other JV/partnership firm.

In case the contractor fails to perform the contract or any JV partner fails to perform its obligations under the JV agreement, which is a part of this agreement, the Employer may issue notice of such default to the said JV partner or the JV (depending upon reasons of default) and declare the said JV partner or the JV as Poor Performer. The issue of such notice shall automatically debar the JV partner or JV, as the case may be, from participating in any K RIDE tender from the date of issue of notice of default. The relevant performance security including additional performance security, if any, in terms of sub clauses 35.5 of ITB submitted by the Contractor or submitted on behalf of JV partner to the extent not due for release at the time of contemplation of such action shall be encashed and forfeited either fully or in proportion of the percentage share of that partner in the JV agreement, as the case may be.

4.(2)(b) Security Deposit: The Security Deposit shall be 5% of the contract value. Security Deposit may be deposited by the Contractor before release of first on account bill in cash or Term Deposit Receipt issued from Scheduled Bank, or may be recovered at the rate defined in section 7A of the bill amount till the full Security Deposit is recovered. Provided also that in case of defaulting Contractor, the Railway may retain any amount due for payment to the Contractor on the pending "on account bills" so that the amounts so retained (including amount guaranteed through Performance Security) may not exceed 10% of the total value of the contract.

Further, in case of contracts having value equal to or more than ₹ 50 crore (Rs Fifty crore) the Security Deposit may be deposited as Bank Guarantee Bond also, issued by a scheduled bank after execution of contract documents, but before payment of 1st on account bill. Provided further that the validity of Bank Guarantee Bond shall be extended from time to time, depending upon extension of contract granted in terms of Clause 19 of the Standard General Conditions of Contract.

Further, in case Security Deposit has been submitted as Term Deposit Receipt/Bank Guarantee Bond in full amount, the Bid security by the Contractor with his tender will be returned by the K-Ride.

Note: After the work is physically completed as certified by competent authority, Security Deposit recovered from the running bills of a Contractor can be returned to him, if he so desires, in lieu of Term Deposit Receipt/irrevocable Bank Guarantee for equivalent amount from Scheduled Bank, to be submitted by him.

4.(2)(b) (i) Refund of Security Deposit: Security Deposit mentioned in clause above shall be returned to the Contractor along with or after, the following:

(a) Final Payment of the Contract **and**

(b) Execution of Final Supplementary Agreement or Certification by Engineer that K-RIDE has No Claim on Contractor **and**

(c) Maintenance Certificate issued, on expiry of the maintenance period.

4.(2)(b) (ii) Forfeiture of Security Deposit: Whenever the contract is rescinded as a whole under clause 15 of GCC, the Security Deposit already with K-Ride under the contract shall be forfeited. However, in case the contract is rescinded in part or parts under clause 15 of GCC, the Security Deposit shall not be forfeited.

4.(2)(c) No interest shall be payable upon the Bid Security and Security Deposit or amounts payable to the Contractor under the Contract, but Government Securities deposited in terms of Sub-Clause 4.(2)(a) of this clause will be payable with interest accrued thereon.

4.3 Contractor's Representative

The Contractor shall appoint the Contractor's Representative and shall give him all authority necessary, including financial powers, to act on the Contractor's behalf under the Contract.

Unless the Contractor's Representative is named in the Contract, the Contractor shall, prior to the Commencement Date, submit to the Engineer for consent the name and particulars of the person the Contractor proposes to appoint as Contractor's Representative. If consent is withheld or subsequently revoked, or if the appointed person fails to act as Contractor's Representative, the Contractor shall similarly submit the name and particulars of another suitable person for such appointment.

The Contractor shall not, without the prior consent of the Engineer, revoke the appointment of the Contractor's Representative or appoint a replacement.

The whole time of the Contractor's Representative shall be given to directing the Contractor's performance of the Contract. If the Contractor's Representative is to be temporarily absent from the Site during the execution of the Works, a suitable replacement person shall be appointed, subject to the Engineer's prior consent, and the Engineer shall be notified accordingly.

The Contractor's Representative shall, on behalf of the Contractor, receive instructions under Sub-Clause 3.3 [Instructions of the Engineer].

The Contractor's Representative may delegate any powers, functions and authority to any competent person, and may at any time revoke the delegation. Any delegation or revocation shall not take effect until the Engineer has received prior notice signed by the Contractor's Representative, naming the person and specifying the powers, functions and authority being delegated or revoked.

The Contractor's Representative shall be fluent in the language for communications defined in Sub-Clause 1.4 [Law and Language]. If the Contractor's Representative's delegates are not fluent in the said language, the Contractor shall make competent interpreters available during all working hours in a number deemed sufficient by the Engineer.

The Contractor shall depute his Representative to attend all the review meetings notified by the Engineer.

4.4 Sub-contractors

The Contractor shall not subcontract the whole of the Works. The Contractor shall be responsible for the acts or defaults of any Subcontractor, his agents or employees, as if they were the acts or defaults of the Contractor.

Unless otherwise stated in the Special Conditions of Contract:

(a) the Contractor shall not be required to obtain consent to suppliers solely of

Materials, or to a subcontract for which the Subcontractor is named in the Contract or as specifically provided in the Contract data or value of any sub-contract for Works, or the aggregate value of such sub-contracts with any Subcontractor, does not exceed 5% (five per cent) of the Contract Price provided that such works are not for the key activities in terms of clause 2.6 of section 3 (Evaluation and Qualification Criteria) which are to be executed by specialist subcontractor(s);

(b) the prior consent of the Engineer shall be obtained to other proposed Subcontractors and/or suppliers. While submitting his proposal in this regard, the Contractor shall ensure that;

(i) total value of Works requiring such consent for subcontracting shall not be more than 70% (seventy per cent) of the Contract Price;

(ii) the proposed subcontractor must have executed woks of 40% of value of the proposed subcontract through a single contract during last seven years; and

(iii) No banning/blacklisting/declaration as poor performer by K RIDE is in force on the proposed subcontractor (on the date of grant of consent by the Engineer);

(iv) No contract of the proposed subcontractor has been terminated by K RIDE during the last two years (to be reckoned from the date of grant of consent by the Engineer);

(v) the Contractor shall submit the proposal for subcontracting with the name, particulars and the relevant experience of the proposed subcontractor;

(c) the Contractor shall give the Engineer not less than 28 days' notice of the intended date of the commencement of each Subcontractor's work, and of the commencement of such work on the Site;

(d) each subcontract shall include provisions which would entitle the Employer to require the subcontract to be assigned to the Employer under Sub-Clause 4.5 [Assignment of Benefit of Subcontract] (if or when applicable) or in the event of termination under Sub-Clause 15.2 [Termination by Employer]; and

(e) On getting consent from the Engineer, the Contractor shall provide to the Engineer copy of the agreement entered with such subcontractor.

The Contractor shall ensure that the requirements imposed on the Contractor by Sub-Clause 1.12 [Confidential Details] apply equally to each Subcontractor.

Where practicable, the Contractor shall give fair and reasonable opportunity for contractors from the Country to be appointed as Subcontractors.

The Contractor shall endeavour to resolve all matters and payments amicably and speedily with the sub-contractors.

The Contractor shall indemnify and hold the Employer harmless against and from any claim of subcontractors or suppliers of the materials.

The Contractor shall release payment to the Sub-contractors/Suppliers promptly and shall endeavour to resolve all issues amicably and speedily with the Sub-contractors/Suppliers, so that the execution of work is not affected in any manner whatsoever.

In case a Sub-contractor/Supplier represents to the Engineer in writing with supporting documents, stating that he has not received payment due as per the agreement/work or purchase order for the works executed by such Sub-contractor or supplies made by such

Supplier, which have been covered in previous Payment Certificates and the Engineer finds such representation having merit, the Engineer, before issuing next Payment Certificate, may forward a copy of the representation to the Contractor requesting the Contractor to supply reasonable evidence that the amount stated to be outstanding by the Sub-contractor/Supplier for the works executed or supplies made, which have been covered in previous Payment Certificates has been paid and if not, why the same is not payable. The Engineer may recommend to make payment to the Sub-contractor/Supplier unless the Contractor submits reasonable evidence to the Engineer:

(i) that the amount claimed has been paid, or

(ii) satisfying the Engineer in writing that the Contractor is entitled to withhold or that the amount is not payable.

On the recommendation of the Engineer, the Employer may (at his sole discretion) directly pay to the Sub-contractor/Supplier the amount due for and on behalf of the Contractor, part or all of such amounts previously certified (less applicable deductions) as are found due to the Sub-contractor/Supplier by the Engineer. The Employer shall adjust the amount paid directly to the Sub-contractor/Supplier from any amount due by it to the Contractor. The Contractor shall repay the amount, in case no amount is found due by the Employer to the Contractor.

That the payment by Employer, on behalf of the Contractor to its Sub-contractor/Supplier, shall not alter any terms of agreement between the Employer and the Contractor and nor the same shall result in any privity of contract between the Employer and the Sub-contractor/Supplier.

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4.5 **Assignment of Benefit of Subcontract**

If a Subcontractor's obligations extend beyond the expiry date of the relevant Defects Notification Period and the Engineer, prior to this date, instructs the Contractor to assign the benefit of such obligations to the Employer, then the Contractor shall do so. Unless otherwise stated in the assignment, the Contractor shall have no liability to the Employer for the work carried out by the Subcontractor after the assignment takes effect.

4.6 **Co-operation**

The Contractor shall, as specified in the Contract or as instructed by the Engineer, allow appropriate opportunities for carrying out work to:

(a) the Employer's Personnel,

(b) any other contractors employed by the Employer, and

(c) the personnel of any legally constituted public authorities,

who may be employed in the execution on or near the Site of any work not included in the Contract.

Any such instruction shall constitute a Variation if and to the extent that it causes the Contractor to incur Unforeseeable Cost. Services for these personnel and other contractors may include the use of Contractor's Equipment, Temporary Works or access arrangements which are the responsibility of the Contractor.

If, under the Contract, the Employer is required to give to the Contractor possession of

any foundation, structure, plant or means of access in accordance with Contractor's Documents, the Contractor shall submit such documents to the Engineer in the time and manner stated in the Specification.

4.7 Setting Out

The Contractor shall set out the Works in relation to original points, lines and levels of reference specified in the Contract or notified by the Engineer. The Contractor shall be responsible for the correct positioning of all parts of the Works, and shall rectify any error in the positions, levels, dimensions or alignment of the works, notifying the Engineer within 28 days of the date of commencement

In the event of such discrepancy arising during the course of the work, for which Employer's documents are handed over after the date of commencement, the contractor shall seek clarifications within 14 days of receipt of such documents

The Employer shall be responsible for any errors in these specified or notified items of reference, but the Contractor shall use reasonable efforts to verify their accuracy before they are used.

Contractor shall promptly notify the Employer and the Engineer of any error, omission, fault, or any other defect in the design, drawing or specifications for the works, which he discovers when reviewing the Contract Documents, and in the process of execution of the Works. The contractor shall be responsible to ensure correlation in various drawings and bill of quantities, before commencement and execution of work. In case of any discrepancy the contractor shall bring it to notice of the Engineer for clarification within 28 days of the issue of Letter of Acceptance. In the event of such discrepancy arising during the course of the work, for which drawings are given after the date of issue of Letter of Acceptance, the contractor shall seek clarifications within 14 days of receipt of such drawings.

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4.8 Safety Procedures

The Contractor shall follow the provisions laid down in (Special Conditions of Contract), Chapter 1. (Safety and Security) of Section 5 (Works/Employers Requirements) and shall:

(a) comply with all applicable safety regulations,

(b) take care for the safety of all persons entitled to be on the Site,

(c) use reasonable efforts to keep the Site and Works clear of unnecessary obstruction so as to avoid danger to these persons,

(d) provide fencing, lighting, guarding and watching of the Works until completion and taking over under Clause 10 [Employer's Taking Over], and

(e) provide any Temporary Works (including roadways, footways, guards and fences) which may be necessary, because of the execution of the Works, for the use and protection of the public and of owners and occupiers of adjacent land.

Additional Safety Precautions

(1) The Contractor shall comply with all the precautions as required for the safety of the workmen by the I.L.O Convention No.62 as far as they are applicable to the Contract. The Contractor shall provide all necessary safety appliances; such as

safety goggles, helmets, masks, etc to the workmen and the staff.

(2) Suitable scaffolds shall be provided for workmen for all work that cannot safely be done from the ground, or from solid construction except for such short period work as can be done safely from ladders. When a ladder is used, an extra labourer shall be engaged for holding the ladder and if the ladder is used for carrying materials as well, suitable foot-holds and hand-holds shall be provided on the ladder, which shall be given an inclination not steeper than 1/4 to 1 (1/4 horizontal in 1 vertical)

(3) Scaffolding or staging more than 3.25 metres above the ground or floor, swung or suspended from an overhead support or erected with stationary support, shall have a guard rail properly attached, bolted, braced and otherwise secured at least 1 metre high above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends thereof with only such openings as maybe necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying in from the support or structure.

(4) Working platforms, gangways and stairways shall be so constructed that they do not sag unduly or unequally, and if the height of any platform or gangway or stairway is more than 3.25 metres above ground level or floor level, it shall have closely spaced boards, have adequate width and be suitably provided with guard rails as described in (3) above.

(5) Every opening in the floor of a structure or in a working platform shall be provided with suitable means to prevent fall of persons or materials by providing suitable fencing or railing with a minimum height of one metre.

(6) Safe means of access and egress shall be provided to all working platforms and other working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9 metres in length. The width between side rails in a rung ladder shall in no case be less than 30 cm for ladders up to and including 3 metres in length. For longer ladders the width shall be increased at least 6 mm for each additional 30 cm of length. Spacing of steps shall be uniform and shall not exceed 30 cm.

(7) Adequate precautions shall be taken to prevent danger from electrical equipment. Adequate safety measures shall be taken when any work is undertaken near any live highly charged electric wire. Necessary shutdown may be arranged, where and whenever essential. All rules in force in this connection shall be fully complied with. The Contractor shall ensure all precautions to prevent any accidents due to electrocution or otherwise.

(8) No materials on any of the sites shall be so stacked or placed as to cause danger or inconvenience to any person or the public. The Contractor shall provide all necessary fencing and lights to protect the public from accidents and shall be bound to bear the expenses of defending every suit, action or other proceedings at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damages and costs which may be awarded in any such suit, action or proceedings to any such person or which may with the consent of the Contractor be paid to compromise any claim by any such person.

(9) Excavation and Trenching : All trenches, 1.5 metres or more in depth, shall at all times be supplied with at least one ladder for each 20 metres in length or fraction thereof, Ladders shall be extended from the bottom of the trench to at least 1 metre above the surface of the ground. The sides of a trench, which is 1.5 metres or more in depth shall be stepped back to provide a suitable slope, or be securely held by timber bracing so as to avoid the danger of side collapse. Excavated material shall not be placed within 1.5 metres of the edge of any trench or half the depth of the trench, whichever is more. Excavation shall be made from the top to the bottom. Under no circumstances shall undermining or undercutting be done.

(10) Demolition : Before any demolition work is commenced and also during the process of the work :

(a) All roads and open areas adjacent to the work site shall either be closed or suitably protected.

(b) No electric cable or apparatus, which is liable to be a source of danger other than a cable or apparatus used by operators, shall remain electrically charged:

(c) All practical steps shall be taken to prevent danger to persons employed by the Employer, from risk of fire or explosion, or flooding. No floor, roof or other part of a building shall be so overloaded with debris or materials as to render it unsafe.

(11) All necessary personal safety equipment as considered adequate by the Engineer shall be available for use of persons employed on the site and maintained in a condition suitable for immediate use; and the Contractor shall take adequate steps to ensure proper use of such equipment by those concerned.

(a) Workers employed on mixing asphaltic materials, cement, lime mortars, concrete etc. shall be provided with protective footwear and protective goggles.

(b) Those engaged in handling any material, which is injurious to the eyes, shall be provided with protective goggles.

(c) Those engaged in welding works shall be provided with welder's protective eye-shield.

(d) Stone breakers shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.

(e) When workers are employed in sewers and manhole, which are in use, the contractor shall ensure that manhole covers are open and manholes are ventilated at least for an hour before workers are allowed to go into them. Manholes so open shall be cordoned off with suitable railing and provide warning signals or boards to prevent accidents to the public.

(12) The Contractor shall not employ men below the age of 18 years and women, on the work of painting with products containing lead in any form. Whenever men above the age of 18 years are employed on the work of lead painting, the following precautions shall be taken:

(a) No paint containing lead or lead products shall be used except in the form of paste or ready made paint.

(b) Suitable face masks shall be supplied for use by workers when paint is applied in the form of spray or a surface having lead paint dry rubbed and scrapped.

(c) Overalls shall be supplied by the Contractor to workmen and adequate facilities shall be provided to enable workers to wash during and at the close of any day's work.

13) When work is performed near any place where there is risk of drowning all necessary equipment shall be provided and kept ready for use and all necessary steps taken for prompt first aid treatment of all injuries likely to be sustained during the course of the work.

(14) Use of hoisting machines and tackle including their attachments, anchorage and supports shall conform to the following:

(a) (i) These shall be of good mechanical construction, sound material and adequate strength and free from patent defects and shall be kept in good working order, be regularly inspected and properly maintained.

(ii) Every rope used in hoisting or lowering materials or as a means of suspension shall be of durable quality and adequate strength, and free from defects

(b) Every crane driver or hoisting appliance operator shall be properly qualified and no person under the age of 21 shall be in charge of any hoisting machine including scaffold equipment. Only trained men over the age of 21 shall be permitted to give signals to such plant and appliance operators.

(c) For every hoisting machine and every chain hook, shackle, swivel and pulley block used in hoisting, lowering or as means of suspension, safe working load shall be ascertained by adequate means. Every hoisting machine and all gear referred to above shall be plainly marked with safe working load. In case of a hoisting machine or a variable safe working load, each safe working load and conditions under which it is applicable shall be clearly indicated. No part of any machine or any gear referred to in the paragraph above shall be loaded beyond safe working load except for the purpose of testing.

(d) In case of the Employer's machine, safe working load shall be notified by the Engineer or his Representative. As regards Contractor's machines, the Contractor shall notify safe working load of each machine to the Engineer or

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his Representative, whenever he brings it to the site of work and get it verified by him.

(15) Motors, gearing, transmission, electric wiring and other dangerous parts of hoisting appliances shall be provided with efficient safeguards; hoisting appliances shall be provided with such meansas will reduce the risk of accident during descent of load to the minimum. Adequate precautions shall be taken to reduce to the minimum risk of any part of a suspended load becoming accidentally displaced. When workers are employed on electrical installations, which are already energised, insulating mats, working apparel such as gloves, sleeves and boots, as may be necessary, shall be provided. Workers shall not wear any rings, watches and carry keys or other materials which are good conductor of electricity.

(16) All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in a safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities shall be provided at or near places of work.

(17) These safety provisions shall be brought to the notice of all concerned by displaying on a notice board at a prominent place at the work location. Persons responsible for ensuring compliance with the Safety Code shall be named therein by the Contractor.

(18) To ensure effective enforcement of the rules and regulations relating to safety precautions, arrangements made by the contractor shall be open to inspection by the Engineer or his Representative.

(19) Notwithstanding anything contained in conditions (1) to (17) above, the Contractor shall at its own costs, remain liable to comply with the provisions of all acts, rules, regulations, and bylaws for the time being in force in India and applicable in this matter.

(20) For work carried out in the vicinity of any wharf or quay, the Contractor shall abide by all the provisions of the Dock Workers (Safety, Health and Welfare) Scheme, 1961.

(21) The Contractor shall at his own expense provide protective safety Equipment like gloves and footwear for all labour engaged on concrete mixing work and all other types of working involving the use of tar, cement, etc. to the satisfaction of the Engineer or his Representative, and on his failure to do so, the employer shall be entitled to provide the same and recover the cost from the Contractor.

(22) The Contractor shall be responsible for observance, by the sub-contractors, of the foregoing provisions.

(23) All construction labour at all time shall use personal protective equipment like, safety shoes, helmets and reflective jackets in all activities at site.
This shall be ensured without fail on each work site. Failing to comply with this, provision shall attract penalty of Rs. 500/- per occasion per staff.

4.8.1 Notwithstanding with any other provision, the Contractor shall have to pay penalty for damage to Railway cable in terms of clause C 15 of the JPO as given in para 1.2 of Chapter 1. (Safety and Security) of Section 5 (Works/Employers Requirements) and

shall also indemnify the Employer against any losses, damages to property or life in terms of para 1.11 and 1.12 of the chapter 1. (Safety and Security) of Section 5 (Works/Employers Requirements).

4.9 Quality Assurance

The Contractor shall institute a quality assurance system to demonstrate compliance with the requirements of the Contract. The system shall be in accordance with the details stated in the Contract. The Engineer shall be entitled to audit any aspect of the system.

Details of all procedures and compliance documents shall be submitted to the Engineer for information before each design and execution stage is commenced. When any document of a technical nature is issued to the Engineer, evidence of the prior approval by the Contractor himself shall be apparent on the document itself.

Compliance with the quality assurance system shall not relieve the Contractor of any of his duties, obligations or responsibilities under the Contract.

4.10 Site Data

The Employer shall have made available to the Contractor for his information, prior to the Base Date, all relevant data in the Employer's possession on sub-surface and hydrological conditions at the Site, including environmental aspects. The Employer shall similarly make available to the Contractor all such data which come into the Employer's possession after the Base Date. The Contractor shall be responsible for interpreting all such data.

To the extent which was practicable (taking account of cost and time), the Contractor shall be deemed to have obtained all necessary information as to risks, contingencies and other circumstances which may influence or affect the Bid or Works. To the same extent, the Contractor shall be deemed to have inspected and examined the Site, its surroundings, the above data and other available information, and to have been satisfied before submitting the Bid as to all relevant matters, including (without limitation):

(a) the form and nature of the Site, including sub-surface conditions,

(b) the hydrological and climatic conditions,

(c) the extent and nature of the work and Goods necessary for the execution and completion of the Works and the remedying of any defects,

(d) the Laws, procedures and labour practices of the Country, and

(e) the Contractor's requirements for access, accommodation, facilities, personnel, power, transport, water and other services.

(f) Data made available by the Employer in accordance with the preceding paragraph shall be deemed to include data listed elsewhere in the contract as open for inspection at the address stipulated in the Contract.

4.11 Sufficiency of the Accepted Contract Amount

The Contractor shall be deemed to:

(a) have satisfied himself as to the correctness and sufficiency of the Accepted Contract Amount, and

(b) have based the Accepted Contract Amount on the data, interpretations, necessary

information, inspections, examinations and satisfaction as to all relevant matters referred to in Sub-Clause 4.10 [Site Data].

Unless otherwise stated in the Contract, the Accepted Contract Amount covers all the Contractor's obligations under the Contract (including those under Provisional Sums, if any) and all things necessary for the proper execution and completion of the Works and the remedying of any defects.

4.12 Unforeseeable Physical Conditions

In this Sub-Clause, "physical conditions" means natural physical conditions and man-made and other physical obstructions and pollutants, which the Contractor encounters at the Site when executing the Works, including sub-surface and hydrological conditions but excluding climatic conditions.

If the Contractor encounters adverse physical conditions which he considers to have been Unforeseeable, the Contractor shall give notice to the Engineer as soon as practicable.

This notice shall describe the physical conditions, so that they can be inspected by the Engineer, and shall set out the reasons why the Contractor considers them to be Unforeseeable. The Contractor shall continue executing the Works, using such proper and reasonable measures as are appropriate for the physical conditions, and shall comply with any instructions which the Engineer may give. If an instruction constitutes a Variation, Clause 13 [Variations and Adjustments] shall apply.

If and to the extent that the Contractor encounters physical conditions which are Unforeseeable, gives such a notice, and suffers delay and/or incurs Cost due to these conditions, the Contractor shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:

(a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and

(b) payment of any such Cost, which shall be included in the Contract Price.

After receiving such notice and inspecting and/or investigating these physical conditions, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine (i) whether and (if so) to what extent these physical conditions were Unforeseeable, and (ii) the matters described in sub-paragraphs (a) and (b) above related to this extent.

However, before additional Cost is finally agreed or determined under sub-paragraph (ii), the Engineer may also review whether other physical conditions in similar parts of the Works (if any) were more favourable than could reasonably have been foreseen when the Contractor submitted the Bid. If and to the extent that these more favourable conditions were encountered, the Engineer may proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine the reductions in Cost which were due to these conditions, which may be included (as deductions) in the Contract Price and Payment Certificates. However, the net effect of all adjustments under sub-paragraph (b) and all these reductions, for all the physical conditions encountered in similar parts of the Works, shall not result in a net reduction in the Contract Price.

The Engineer may take account of any evidence of the physical conditions foreseen by

the Contractor when submitting the Bid, which may be made available by the Contractor, but shall not be bound by any such evidence.

4.13 Rights of Way and Facilities

The Contractor shall bear all costs and charges for special and/or temporary rights-of-way which he may require, including those for access to the Site. The Contractor shall also obtain, at his risk and cost, any additional facilities outside the Site which he may require for the purposes of the Works.

In case any operation connected with traffic necessitates diversion, obstruction or closure of any road, railway or any other right of way, the approval of the Engineer and the concerned authorities shall be obtained well in advance by the Contractor.

Provided that if it is found necessary for the Contractor to move one or more loads of heavy constructional plants and equipment, materials or Pre-constructed units or parts of units of work over roads, highways, bridges on which such oversized and overweight items that are not normally to be moved, the contractor shall obtain prior permission from the concerned authorities.

Payments for complying with the requirements, if any, for protection or strengthening of the roads, highways or bridges shall be made by the contractor and such expenses shall be deemed to be included in his quoted contract price.

4.14 Avoidance of Interference

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The Contractor shall not interfere unnecessarily or improperly with:

(a) the convenience of the public, or

(b) the access to and use and occupation of all roads and footpaths, irrespective of whether they are public or in the possession of the Employer or of others or

(c) Passenger amenities at stations and station platforms.

The Contractor shall indemnify and hold the Employer harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from any such unnecessary or improper interference.

4.15 Access Route

The Contractor shall be deemed to have been satisfied as to the suitability and availability of access routes to the Site. The Contractor shall use reasonable efforts to prevent any road or bridge from being damaged by the Contractor's traffic or by the Contractor's Personnel. These efforts shall include the proper use of appropriate vehicles and routes.

Except as otherwise stated in these Conditions:

(a) the Contractor shall (as between the Parties) be responsible for any maintenance which may be required for his use of access routes;

(b) the Contractor shall provide all necessary signs or directions along access routes, and shall obtain any permission which may be required from the relevant authorities for his use of routes, signs and directions;

(c) the Employer shall not be responsible for any claims which may arise from the use or otherwise of any access route;

(d) the Employer does not guarantee the suitability or availability of particular access routes; and

(e) Costs due to non-suitability or non-availability, for the use required by the Contractor, of access routes shall be borne by the Contractor.

4.16 Transport of Goods

Unless otherwise stated in the Special Conditions of Contract:

(a) the Contractor shall give the Engineer not less than 21 days' notice of the date on which any Plant or a major item of other Goods will be delivered to the Site;

(b) the Contractor shall be responsible for packing, loading, transporting, receiving, unloading, storing and protecting all Goods and other things required for the Works; and

(c) the Contractor shall indemnify and hold the Employer harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from the transport of Goods, and shall negotiate and pay all claims arising from their transport.

4.17 Contractor's Equipment

The Contractor shall be responsible for all Contractors' Equipment. When brought on to the Site, Contractor's Equipment shall be deemed to be exclusively intended for the execution of the Works. The Contractor shall not remove from the Site any major items of Contractor's Equipment without the consent of the Engineer. However, consent shall not be required for vehicles transporting Goods or Contractor's Personnel off Site.

In the event of Contractor imports any equipment the following shall apply"

(a) Custom Clearance: The Employer will assist the contractor, when required by furnishing letters of recommendation for obtaining expeditious clearance through customs of constructional plants, material and other things required for the works and then for re-export, if any. The following publications, may be referred to by the contractor for guidance about custom regulations etc :

(i) Import & export policy, together with amendments, if any, published by Govt. of India, Ministry of Commerce..

(j) Hand Book of Procedures, together with amendments, if any, Volume 1 and 2 published by Ministry of Commerce.

(iii) Customs Tariff, together with amendments, if any published by Central Customs.

The Contractor shall be responsible to follow the latest rules and regulations without any liability of the Employer.

(c) **Re-export of contractors equipment:** The contractor shall obtain all the relevant information regarding procedure for the import and subsequent re-export of his equipment and materials from the Chief Controller of Imports and Exports, Bangalore, and shall inform himself and keep himself informed on the details of custom charges and draw-back regulations as applicable to the items of Constructional plant. The contractor shall provide the necessary guarantee/bonds

where these are required by the customs notwithstanding that import licenses may be granted in the name of Employer.

(c) Notwithstanding the provisions mentioned above, Contractor's Equipment, including essential spare parts therefore, imported by the Contractor for the sole purpose of executing the Contract shall be temporarily exempt from the payment of import duties and taxes upon initial importation, provided the Contractor shall post with the customs authorities at the port of entry an approved export bond or bank guarantee, valid until the Time for Completion plus six months, in an amount equal to the full import duties and taxes which would be payable on the assessed imported value of such Contractor's Equipment and spare parts, and **callable** in the event the Contractor's Equipment is not exported from the Country on completion of the Contract. A copy of the **bond** or bank guarantee endorsed by the custom authorities shall be provided by the Contractor to the Employer upon the importation of individual items of Contractor's Equipment and spare parts. Upon export of individual items of Contractor's Equipment or spare parts, or upon the completion of the Contract, Contractor shall prepare for approval by the customs authority the authorities, an assessment of the residual value of the Contractor's Equipment and spare parts to be exported based on the depreciation scale(s) and other criteria used by the customs authorities for such purposes under the provisions of the applicable Laws. Import duties and taxes shall be due and payable to the customs authorities by the Contractor on (a) the difference between the initial imported value and the residual value of the contractor's equipment and spare parts to be exported and (b) on the initial imported value that contractor's equipment and spare parts remaining in the Country after completion of the Contract. Upon payment of such dues within 28 days of being invoiced, the bond or bank guarantee shall be reduced or released accordingly; otherwise the security shall be called in the full amount remaining in the Country.

(d) **Conditions of hire of the contractor's equipment:** A certified copy of the agreement in respect of any item of Equipment held by contractor under any agreement for hire or hire purchase thereof, shall be supplied to the Engineer/Employer."

4.18 Protection of the Environment

The Contractor shall take all reasonable steps to protect the environment (both on and off the Site) and to limit damage and nuisance to people and property resulting from pollution, noise and other results of his operations.

The Contractor shall ensure that emissions, surface discharges and effluent from the Contractor's activities shall not exceed the values stated in the Specification or prescribed by applicable Laws.

4.19 Electricity, Water and Gas

The Contractor shall, except as stated below, be responsible for the provision of all power, water and other services he may require.

The Contractor shall be entitled to use for the purposes of the Works such supplies of electricity, water, gas and other services as may be available on the Site and of which details and prices are given in the Specification. The Contractor shall, at his risk and cost,

provide any apparatus necessary for his use of these services and for measuring the quantities consumed.

The quantities consumed and the amounts due (at these prices) for such services shall be agreed or determined by the Engineer in accordance with Sub-Clause 2.5 [Employer's Claims] and Sub-Clause 3.5 [Determinations]. The Contractor shall pay these amounts to the Employer.

4.20 Employer's, Equipment and Free-Issue Material

The Employer shall make the Employer's Equipment (if any) available for the use of the Contractor in the execution of the Works in accordance with the details, arrangements and prices stated in the Specification. Unless otherwise stated in the Specification:

(a) the Employer shall be responsible for the Employer's Equipment, except that

(b) the Contractor shall be responsible for each item of Employer's Equipment whilst any of the Contractor's Personnel is operating it, driving it, directing it or in possession or control of it.

The appropriate quantities and the amounts due (at such stated prices) for the use of Employer's Equipment shall be agreed or determined by the Engineer in accordance with Sub-Clause 2.5 [Employer's Claims] and Sub-Clause 3.5 [Determinations]. The Contractor shall pay these amounts to the Employer.

The Employer shall supply, free of charge, the "free-issue materials" (if any) in accordance with the details stated in the Contract data.

The Employer shall, at his risk and cost, provide these materials at the time and place specified in the Contract. The Contractor shall then visually inspect them, and shall promptly give notice to the Engineer of any shortage, defect or default in these materials. Unless otherwise agreed by both Parties, the Employer shall immediately rectify the notified shortage, defect or default.

In case materials are handed over, in accordance with the procedure prescribed by the Engineer, after proper measurement and accounted for, the contractor shall be solely liable for any shortage, damage, defect or default in such material, and shall indemnify the Employer until the final accountal of materials is made by the Contractor on completion of the work.

4.21 Progress Reports

Unless otherwise stated in the Special Conditions of Contract, monthly progress reports shall be prepared by the Contractor and submitted to the Engineer in six copies. The first report shall cover the period up to the end of the first calendar month following the Commencement Date. Reports shall be submitted monthly thereafter, each within 7 days after the last day of the period to which it relates.

Reporting shall continue until the Contractor has completed all work which is known to be outstanding at the completion date stated in the Taking-Over Certificate for the Works.

Each report shall include:

i. charts and detailed descriptions of progress, including each stage of design (if any), Contractor's Documents, procurement, manufacture, delivery to Site, construction, erection and testing; and including these stages for work by each nominated Subcontractor (as defined in Clause 5 [Nominated Subcontractors]),

photographs showing the status of manufacture and of progress on the Site; for the manufacture of each main item of Plant and Materials, the name of the manufacturer, manufacture location, percentage progress, and the actual or expected dates of:

(i) commencement of manufacture,

(ii) Contractor's inspections,

(iii) tests, and

(iv) shipment and arrival at the Site;

- the details described in Sub-Clause 6.10 [Records of Contractor's Personnel and Equipment];
- copies of quality assurance documents, test results and certificates of Materials;
- list of notices given under Sub-Clause 2.5 [Employer's Claims] and notices given under Sub-Clause 20.1 [Contractor's Claims];
- safety statistics, including details of any hazardous incidents and activities relating to environmental aspects and public relations; and
- comparisons of actual and planned progress of all activities, with details of any events or circumstances which may jeopardise the completion in accordance with the Contract, and the measures being (or to be) adopted to overcome delays.

4.22 Security of the Site

Unless otherwise stated in the Special Conditions of Contract:

(a) the Contractor shall be responsible for keeping unauthorised persons off the Site, and

(b) authorised persons shall be limited to the Contractor's Personnel and the Employer's Personnel; and to any other personnel notified to the Contractor, by the Employer or the Engineer, as authorised personnel of the Employer's other contractors on the Site.

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4.23 Contractor's Operations on Site

The Contractor shall confine his operations to the Site, and to any additional areas which may be obtained by the Contractor and agreed by the Engineer as working areas. The Contractor shall take all necessary precautions to keep Contractor's Equipment and Contractor's Personnel within the Site and these additional areas, and to keep them off adjacent land.

During the execution of the Works, the Contractor shall keep the Site free from all unnecessary obstruction, and shall store or dispose of any Contractor's Equipment or surplus materials. The Contractor shall clear away and remove from the Site any wreckage, rubbish and Temporary Works which are no longer required.

Upon the issue of a Taking-Over Certificate, the Contractor shall clear away and remove, from that part of the Site and Works to which the Taking-Over Certificate refers, all Contractor's Equipment, surplus material, wreckage, rubbish and Temporary Works. The Contractor shall leave that part of the Site and the Works in a clean and safe condition.

However, the Contractor may retain on Site, during the Defects Notification Period, such Goods as are required for the Contractor to fulfill obligations under the Contract.

4.24 Fossils

All fossils, coins, articles of value or antiquity, and structures and other remains or items of geological or archaeological interest found on the Site shall be placed under the care and authority of the Employer. The Contractor shall take reasonable precautions to prevent Contractor's Personnel or other persons from removing or damaging any of these findings.

The Contractor shall, upon discovery of any such finding, promptly give notice to the Engineer, who shall issue instructions for dealing with it. If the Contractor suffers delay and/or incurs Cost from complying with the instructions, the Contractor shall give a further notice to the Engineer and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:

(a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and

(b) payment of any such Cost, which shall be included in the Contract Price.

After receiving this further notice, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.

5 Nominated Subcontractors

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5.1 Definition of nominated Subcontractor

In the Contract, "nominated Subcontractor" means a Subcontractor:

(a) who is stated in the Contract as being a nominated Subcontractor, or

(b) whom the Engineer, under Clause 13 [Variations and Adjustments], instructs the Contractor to employ as a Subcontractor.

5.2 Objection to Nomination

The Contractor shall not be under any obligation to employ a nominated Subcontractor against whom the Contractor raises reasonable objection by notice to the Engineer as soon as practicable, with supporting particulars. An objection shall be deemed reasonable if it arises from (among other things) any of the following matters, unless the Employer agrees to indemnify the Contractor against and from the consequences of the matter:

(a) there are reasons to believe that the Subcontractor does not have sufficient competence, resources or financial strength;

(b) the subcontract does not specify that the nominated Subcontractor shall indemnify the Contractor against and from any negligence or misuse of Goods by the nominated Subcontractor, his agents and employees; or

(c) the subcontract does not specify that, for the subcontracted work (including design, if any), the nominated Subcontractor shall:

  (i) undertake to the Contractor such obligations and liabilities as will enable the Contractor to discharge his obligations and liabilities under the Contract, and

  (ii) indemnify the Contractor against and from all obligations and liabilities arising

under or in connection with the Contract and from the consequences of any failure by the Subcontractor to perform these obligations or to fulfil these liabilities.

5.3 Payments to nominated Subcontractors

The Contractor shall pay to the nominated Subcontractor the amounts which the Engineer certifies to be due in accordance with the subcontract. These amounts plus other charges shall be included in the Contract Price in accordance with sub-paragraph (b) of Sub-Clause 13.5 [Provisional Sums], except as stated in Sub-Clause 5.4 [Evidence of Payments].

5.4 Evidence of Payments

Before issuing a Payment Certificate which includes an amount payable to a nominated Subcontractor, the Engineer may request the Contractor to supply reasonable evidence that the nominated Subcontractor has received (Within 7 days of receipt of previous payment by the contractor) all amounts due in accordance with previous Payment Certificates, less applicable deductions for retention or otherwise. Unless the Contractor:

(a) submits this reasonable evidence to the Engineer, or

(b)

(i) satisfies the Engineer in writing that the Contractor is reasonably entitled to withhold or refuse to pay these amounts, and

(ii) submits to the Engineer reasonable evidence that the nominated Subcontractor has been notified of the Contractor's entitlement,

then the Employer may (at his sole discretion) pay, direct to the nominated Subcontractor, part or all of such amounts previously certified (less applicable deductions) as are due to the nominated Subcontractor and for which the Contractor has failed to submit the evidence described in sub-paragraphs (a) or (b) above. The Contractor shall then repay, to the Employer, the amount which the nominated Subcontractor was directly paid by the Employer.

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6	Staff and Labour

6.1 Engagement of Staff and Labour

Except as otherwise stated in the Specification, the Contractor shall make arrangements for the engagement of all staff and labour, local or otherwise, and for their payment, housing, feeding and transport.

The Contractor is encouraged, to the extent practicable and reasonable, to employ staff and labor with appropriate qualifications and experience from sources within the Country.

6.2 Rates of Wages and Conditions of Labour

The Contractor shall pay rates of wages, and observe conditions of labour, which are not lower than those established for the trade or industry where the work is carried out. If no established rates or conditions are applicable, the Contractor shall pay rates of wages and observe conditions which are not lower than the general level of wages and conditions observed locally by employers whose trade or industry is similar to that of the Contractor.

If the Employer is obliged to provide amenities or arrange payment of wages to contract labour employed by the contractor either directly or through sub contractor under the contract on account of failures on the part the contractor to provide the amenities and / or arrange payment of wages to the contract labour as required of him under the provision of the said act / rules made there under, the Engineer/Employer shall be at liberty without prejudice to the rights of Engineer/Employer under Section 20(2) and 21(4) of the contract labour (Regulation and Abolition) Act 1970 to recover the whole or part of the expenditure so incurred on the wages so paid by the Engineer/Employer/Railway from the security deposit and/or from any sum or sums due to the contractor whether under this contract or any other contract.

The Contractor shall inform the Contractor's Personnel about their liability to pay personal income taxes in the Country in respect of such of their salaries, wages, allowances, and any benefits as are subject to taxes under the Laws of the Country for the time being in force, and the Contractor shall perform such duties in regard to such deductions thereof as may be imposed on him by such Laws.

The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there-under, regulation or notifications including amendment. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/ regulations including amendments, if any, on the part of the Contractor, the Engineer/Employer shall have the right to deduct any money due to the contractor including his amount of performance security. The Employer/Engineer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point of time.

The Contractor shall duly comply with the provisions of the Apprentices Act 1961 (III of 1961), the rules made there under and the orders that may be issued from time to time under the said Act and the said Rules and on his failure or neglect to do so he shall be subject to all liabilities provide by the said Act and said Rules.

The Contractor and his Sub Contractors shall comply with all applicable Labour Laws, and should not employ Child Labour for construction and maintenance activities. The Contractor shall provide appropriate facilities for children in Construction Camp sites.

The Contractors shall not differentiate wages between men and women for work of equal value.

6.3 Persons in the Service of Employer

The Contractor shall not recruit, or attempt to recruit, staff and labour from amongst persons in the service of the Employer or the Engineer.

6.4 Labour Laws

The Contractor shall comply with all the relevant labour Laws applicable to the Contractor's Personnel, including Laws relating to their employment, health, safety, welfare, immigration, and emigration, and shall allow them all their legal rights. The contractor and his sub-contractors shall be responsible to ensure at his own cost, compliance to all laws, bye-laws, rules and regulations for the time being in force pertaining to the employment of local or imported labour and shall take all necessary precautions to ensure and preserve the health and safety of all staff employed directly or through sub-contractors or petty contractors on the works which shall include all the acts listed in Appendex – 1 but not limited to the same.

The Contractor shall require his employees to obey all applicable Laws, including those concerning safety at work.

During continuance of the Contract, the Contractor and his Sub-Contractors shall abide at all times by all existing labour enactments and rules made thereunder, regulations, notifications and bye laws of the State or Central government or local authority and any other labour laws (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. Salient features of some of the major labour laws hat are applicable to construction industry are given in Appendix 1 to these Conditions of Contract.

6.5 Working Hours

No work shall be carried out on the Site on locally recognised days of rest, or outside the normal working hours stated in the Contract Data, unless:

(a) otherwise stated in the Contract,

(b) the Engineer gives consent, or

(c) the work is unavoidable, or necessary for the protection of life or property or for the safety of the Works, in which case the Contractor shall immediately advise the Engineer.

6.6 Facilities for Staff and Labour

Except as otherwise stated in the Specification, the Contractor shall provide and maintain all necessary accommodation and welfare facilities for the Contractor's Personnel. The Contractor shall also provide facilities for the Employer's Personnel as stated in the Specification.

The Contractor shall not permit any of the Contractor's Personnel to maintain any temporary or permanent living quarters within the structures forming part of the Permanent Works.

6.7 Health and Safety

The Contractor shall at all times take all reasonable precautions to maintain the health and safety of the Contractor's Personnel. In collaboration with local health authorities, the Contractor shall ensure that medical staff, first aid facilities, sick bay and a standing arrangement for ambulance service are available at a phone call at all times at the Site and at any accommodation for Contractor's and Employer's Personnel, and that suitable arrangements are made for all necessary welfare and hygiene requirements and for the

prevention of epidemics.

In the event of any outbreak of illness of an epidemic nature, the Contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government or the local medical or sanitary authorities, for the purpose of dealing with and overcoming the same. The Contractor shall appoint an accident prevention officer at the Site, responsible for maintaining safety and protection against accidents. This person shall be qualified for this responsibility, and shall have the authority to issue instructions and take protective measures to prevent accidents. Throughout the execution of the Works, the Contractor shall provide whatever is required by this person to exercise this responsibility and authority.

The Contractor shall send, to the Engineer, details of any accident as soon as practicable after its occurrence.

HIV-AIDS Prevention. The Contractor shall conduct an HIV-AIDS awareness programme via an approved service provider, and shall undertake such other measures as are specified in this Contract to reduce the risk of the transfer of the HIV virus between and among the Contractor's Personnel and the local community, to promote early diagnosis and to assist affected individuals.

Epidemics

In the event of any outbreak of illness of an epidemic nature, the Contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government or the local medical or sanitary authorities, for the purpose of dealing with and overcoming the same.

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Records of Safety and Health

The Contractor shall maintain such records and make such reports concerning safety, health and welfare of persons and damage to property as the Engineer may from time to time prescribe.

Submission of Returns: :

The contractor shall be responsible for timely submission of all returns and statements to the concerned authorities in full compliance of all rules, bye-laws and regulations for the time being in force.

The Contractor shall throughout the contract (including the Defects Notification Period): (i) conduct Information, Education and Consultation Communication (IEC) campaigns, at least every other month, addressed to all the Site staff and labor (including all the Contractor's employees, all Sub-Contractors and Consultants' employees, and all truck drivers and crew making deliveries to Site for construction activities) and to the immediate local communities, concerning the risks, dangers and impact, and appropriate avoidance behavior with respect to of Sexually Transmitted Diseases (STD)—or Sexually Transmitted Infections (STI) in general and HIV/AIDS in particular; (ii) provide male or female condoms for all Site staff and labor as appropriate; and (iii) provide for STI and HIV/AIDS screening, diagnosis, counseling and referral to a dedicated national STI and HIV/AIDS program, (unless otherwise agreed) of all Site staff and labor.

The Contractor shall include in the program to be submitted for the execution of the Works under Sub-Clause 8.3 an alleviation program for Site staff and labour and their families in

respect of Sexually Transmitted Infections (STI) and Sexually Transmitted Diseases (STD) including HIV/AIDS. The STI, STD and HIV/AIDS alleviation program shall indicate when, how and at what cost the Contractor plans to satisfy the requirements of this Sub-Clause and the related specification. For each component, the program shall detail the resources to be provided or utilized and any related sub-contracting proposed. The program shall also include provision of a detailed cost estimate with supporting documentation. Payment to the Contractor for preparation and implementation this program shall not exceed the Provisional Sum dedicated for this purpose.

6.8 Contractor's Superintendence

Throughout the execution of the Works, and as long thereafter as is necessary to fulfil the Contractor's obligations, the Contractor shall provide all necessary superintendence to plan, arrange, direct, manage, inspect and test the work.

Superintendence shall be given by a sufficient number of persons having adequate knowledge of the language for communications (defined in Sub-Clause 1.4 [Law and Language]) and of the operations to be carried out (including the methods and techniques required, the hazards likely to be encountered and methods of preventing accidents), for the satisfactory and safe execution of the Works.

The Contractor shall employ the key personnel named in the Schedule of Personnel as referred to in the Contract Data to carry out the functions stated in the Schedule or other personnel approved by the Engineer. The Engineer will approve any proposed replacement of key personnel only if their qualifications, abilities and relevant experience are substantially equal to or better than those of the personnel listed in the Schedule.

The Contractor shall not employ any retired government Gazetted officer, who has either not completed one year after the date of retirement, or has not obtained permission to employment with the Contractor.

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6.9 Contractor's Personnel

The Contractor's Personnel shall be appropriately qualified, skilled and experienced in their respective trades or occupations. The Engineer may require the Contractor to remove (or cause to be removed) any person employed on the Site or Works, including the Contractor's Representative if applicable, who:

(a) persists in any misconduct or lack of care,

(b) carries out duties incompetently or negligently,

(c) fails to conform with any provisions of the Contract, or

(d) persists in any conduct which is prejudicial to safety, health, or the protection of the environment.

If the Engineer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven (7) days and has no further connection with the work in the Contract. The replacement person shall be appointed within fourteen (14) days of the notification by the Engineer.

A reasonable proportion of the Contractor's Superintending Staff shall have a working knowledge of the English language or the Contractor shall have available on site at all times a sufficient number of competent interpreters to ensure the proper transmission of

instructions and information. If appropriate, the Contractor shall then appoint (or cause to be appointed) a suitable replacement person.

6.10 Records of Contractor's Personnel and Equipment

The Contractor shall submit, to the Engineer, details showing the number of each class of Contractor's Personnel and of each type of Contractor's Equipment on the Site. Details shall be submitted each calendar month, in a form approved by the Engineer, until the Contractor has completed all work which is known to be outstanding at the completion date stated in the Taking-Over Certificate for the Works.

6.11 Disorderly Conduct

The Contractor shall at all times take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst the Contractor's Personnel, and to preserve peace and protection of persons and property on and near the Site.

6.12 Foreign Personnel

The Contractor may bring in to the country any foreign personnel who are necessary for the execution of the Works to the extent allowed by the applicable Laws. The Contractor shall ensure that these personnel are provided with the required residence visas and work permits. The Employer will, without any financial liability, if requested by the Contractor, use his best endeavours in a timely and expeditious manner to assist the Contractor in obtaining any local, state, national, or government permission required for bringing in the Contractor's personnel.

The Contractor shall be responsible for the return of these personnel to the place where they were recruited or to their domicile. In the event of the death in the Country of any of these personnel or members of their families, the Contractor shall similarly be responsible for making the appropriate arrangements for their return or burial. Contractor shall also be responsible for any legal liabilities during their stay.

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6.13 Supply of Foodstuffs

The Contractor shall arrange for the provision of a sufficient supply of suitable food as may be stated in the Specification at reasonable prices for the Contractor's Personnel for the purposes of or in connection with the Contract.

6.14 Supply of Water

The Contractor shall, having regard to local conditions, provide on the Site an adequate supply of drinking and other water for the use of the Contractor's Personnel.

6.15 Measures against Insect and Pest Nuisance

The Contractor shall at all times take the necessary precautions to protect the Contractor's Personnel employed on the Site from insect and pest nuisance, and to reduce their danger to health. The Contractor shall comply with all the regulations of the local health authorities, including use of appropriate insecticide.

The Contractor shall provide his staff and labour with suitable prophylactics for the prevention of malaria, and take steps to prevent the formation of stagnant pools of water.

He shall comply with all the regulations of the local health authorities in these respects and shall in particular arrange to spray thoroughly with approved insecticides all buildings erected on the site such treatment shall be carried out at least once a year or as instructed by the Engineer. The Contractor shall warn his staff and labour of the dangers of diseases like Malaria, Filaria and other contagious diseases etc. and also Scorpions, Snakes, Wild animals etc. and preventive actions required to be taken by the labour and staff.

6.16 Alcoholic Liquor or Drugs

The Contractor shall not, otherwise than in accordance with the Laws of the Country, import, sell, give barter or otherwise dispose of any alcoholic liquor or drugs, or permit or allow importation, sale, gift barter or disposal thereto by Contractor's Personnel.

6.17 Arms and Ammunition

The Contractor shall not give, barter, or otherwise dispose of, to any person, any arms or ammunition of any kind, or allow Contractor's Personnel to do so.

6.18 Festivals and Religious Customs

The Contractor shall respect the Country's recognized festivals, days of rest and religious or other customs.

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6.19 Funeral Arrangements

The Contractor shall be responsible, to the extent required by local regulations, for making any funeral arrangements for any of his local employees who may die while engaged upon the Works.

6.20 Prohibition of Forced or Compulsory Labour

The contractor shall not employ "forced or compulsory labour" in any form. "Forced or compulsory labour" consists of all work or service, not voluntarily performed, that is extracted from an individual under threat of force or penalty.

6.21 Prohibition of Harmful Child Labour

The Contractor shall not employ any child to perform any work that is economically exploitative, or is likely to be hazardous to, or to interfere with, the child's education, or to be harmful to the child's health or physical, mental, spiritual, moral, or social development.

6.22 Employment Records of Workers

The Contractor shall keep complete and accurate records of the employment of labour at the Site. The records shall include the names, ages, genders, hours worked and wages paid to all workers. These records shall be summarized on a monthly basis and shall be available for inspection by the Engineer during normal working hours. These records shall be included in the details to be submitted by the Contractor under Sub-Clause 6.10 [Records of Contractor's Personnel and Equipment].

(j) In addition to the above, the Contractor shall register his firm/company etc. on website 'www.shramikkalyan.indianrailways.gov.in' and upload requisite details of labour and their payment in this portal. These details shall be available in public domain. The Registration/ updation on Portal shall be done as under:

(a)Contractor shall apply for onetime registration of his company/firm etc. in the Shramikkalyan portal with requisite details subsequent to issue of Letter of Acceptance. Employer/Engineer shall approve the contractor's registration in the portal within 7 days of receipt of such request.

(b)Contractor once approved by any Employer/Engineer, can create password with login ID (PAN No.) for subsequent use of portal for all LoAs issued in his favour.

(c)The contractor once registered on the portal, shall provide details of his Letter of Acceptances (LoA) / Contract Agreements on shramikkalyan portal within 15 days of issue of any LoA for approval of concerned Employer/Engineer. Employer/Engineer shall update (if required) and approve the details of LoA filled by contractor within 7 days of receipt of such request.

(d)After approval of LoA by Employer/Engineer, contractor shall fill the salient details of contract labours engaged in the contract and ensure updating of each wage payment to them on shramikkalyan portal on monthly basis.

(e)It shall be mandatory upon the contractor to ensure correct and prompt uploading of all salient details of engaged contractual labour& payments made thereof after each wage period.

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(ii) While processing payment of any 'Interim Payment Certificate' or 'Final Payment Certificate' or release of 'Advances' or 'Performance Guarantee / Security deposit', contractor shall submit a certificate to the Engineer or Engineer's representatives that "I have uploaded the correct details of contract labours engaged in connection with this contract and payments made to them during the wage period in Railway's Shramikkalyan portal at 'www.shramikkalyan.indianrailways.gov.in' till ____Month, ____Year."

7	Plant, Materials and Workmanship

7.1 Manner of Execution

The Contractor shall carry out the manufacture of Plant, the production and manufacture of Materials, and all other execution of the Works:

(a) in the manner (if any) specified in the Contract,

(b) in a proper workmanlike and careful manner, in accordance with recognised good practice, and

(c) with properly equipped facilities and non-hazardous Materials, except as otherwise specified in the Contract.

7.2 Samples

The Contractor shall submit the following samples of Materials, and relevant information, to the Engineer for consent prior to using the Materials in or for the Works:

(a) manufacturer's standard samples of Materials and samples specified in the Contract, all at the Contractor's cost, and

(b) additional samples instructed by the Engineer as a Variation.

Each sample shall be labelled as to origin and intended use in the Works.

7.3 Inspection

The Employer's Personnel shall at all reasonable times:

(a) have full access to all parts of the Site and to all places from which natural Materials are being obtained, and

(b) during production, manufacture and construction (at the Site and elsewhere), be entitled to examine, inspect, measure and test the materials and workmanship, and to check the progress of manufacture of Plant and production and manufacture of Materials.

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The Contractor shall give the Employer's Personnel full opportunity to carry out these activities, including providing access, facilities, permissions and safety equipment. No such activity shall relieve the Contractor from any obligation or responsibility.

The Contractor shall give notice to the Engineer whenever any work is ready and before it is covered up, put out of sight, or packaged for storage or transport. The Engineer shall then either carry out the examination, inspection, measurement or testing without unreasonable delay, or promptly give notice to the Contractor that the Engineer does not require to do so. If the Contractor fails to give the notice, he shall, if and when required by the Engineer, uncover the work and thereafter reinstate and make good, all at the Contractor's cost.

7.4 Testing

This Sub-Clause shall apply to all tests specified in the Contract, other than the Tests after Completion (if any).

The Contractor shall provide all apparatus, assistance, documents and other information, electricity, equipment, fuel, consumables, instruments, labour, materials, and suitably qualified and experienced staff, as are necessary to carry out the specified tests efficiently. The Contractor shall agree, with the Engineer, the time and place for the

specified testing of any Plant, Materials and other parts of the Works.

The Engineer may, under Clause 13 [Variations and Adjustments], vary the location or details of specified tests, or instruct the Contractor to carry out additional tests. If these varied or additional tests show that the tested Plant, Materials or workmanship is not in accordance with the Contract, the cost of carrying out this Variation shall be borne by the Contractor, notwithstanding other provisions of the Contract.

The Engineer shall give the Contractor not less than 24 hours' notice of the Engineer's intention to attend the tests. If the Engineer does not attend at the time and place agreed, the Contractor may proceed with the tests, unless otherwise instructed by the Engineer, and the tests shall then be deemed to have been made in the Engineer's presence.

If the Contractor suffers delay and/or incurs Cost from complying with these instructions or as a result of a delay for which the Employer is responsible, the Contractor shall give notice to the Engineer and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:

(a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and

(b) payment of any such Cost , which shall be included in the Contract Price.

After receiving this notice, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.

The Contractor shall promptly forward to the Engineer duly certified reports of the tests. When the specified tests have been passed, the Engineer shall endorse the Contractor's test certificate, or issue a certificate to him, to that effect. If the Engineer has not attended the tests, he shall be deemed to have accepted the readings as accurate.

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7.5 Rejection

If, as a result of an examination, inspection, measurement or testing, any Plant, Materials or workmanship is found to be defective or otherwise not in accordance with the Contract, the Engineer may reject the Plant, Materials or workmanship by giving notice to the Contractor, with reasons. The Contractor shall then promptly make good the defect and ensure that the rejected item complies with the Contract.

If the Engineer requires this Plant, Materials or workmanship to be retested, the tests shall be repeated under the same terms and conditions. If the rejection and retesting cause the Employer to incur additional costs, the Contractor shall subject to Sub-Clause 2.5 [Employer's Claims] pay these costs to the Employer.

7.6 Remedial Work

Notwithstanding any previous test or certification, the Engineer may instruct the Contractor to:

(a) remove from the Site and replace any Plant or Materials which is not in accordance with the Contract,

(b) remove and re-execute any other work which is not in accordance with the Contract, and

(c) execute any work which is urgently required for the safety of the Works, whether

because of an accident, unforeseeable event or otherwise.

The Contractor shall comply with the instruction within a reasonable time, which shall be the time (if any) specified in the instruction, or immediately if urgency is specified under sub-paragraph (c).

If the Contractor fails to comply with the instruction, the Employer shall be entitled to employ and pay other persons to carry out the work. Except to the extent that the Contractor would have been entitled to payment for the work, the Contractor shall subject to Sub-Clause 2.5 [Employer's Claims] pay to the Employer all costs arising from this failure.

7.7 Ownership of Plant and Materials

Each item of Plant and Materials shall, to the extent consistent with the Laws of the Country, become the property of the Employer at whichever is the earlier of the following times, free from liens and other encumbrances:

(a) when it is delivered to the Site;

(b) when the Contractor is entitled to payment of the value of the Plant and Materials under Sub-Clause 8.10 [Payment for Plant and Materials in Event of Suspension].

Unless otherwise stated in the Specification, the Contractor shall pay all royalties, rents and other payments for:

(a) natural Materials obtained from outside the Site, and

(b) the disposal of material from demolitions and excavations and of other surplus material (whether natural or man-made), except to the extent that disposal areas within the Site are specified in the Contract.

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8 Commencement, Delay and Suspension

8.1 Commencement of Works

The Engineer shall give the Contractor not less than 7 days' notice of the Commencement of work. Unless otherwise stated in the Special Conditions of Contract, the Commencement of work shall be within the number of days after the Contractor receives the Letter of Acceptance as specified in Contract Data.

The Contractor shall commence the execution of the Works as soon as is reasonably practicable after the Commencement Date, and shall then proceed with the Works with due expedition and without delay.

8.2 Time for Completion

The Contractor shall complete the whole of the Works, and each Section (if any), within the Time for Completion for the Works or Section (as the case may be), including:

(a) achieving the passing of the Tests on Completion, and

(b) completing all work which is stated in the Contract as being required for whole of the Works or Section(s) to be considered to be completed for the purposes of taking-over

under Sub-Clause 10.1 [Taking Over of the Works and Sections].

(c) The date of completion for works described in this sub-clause, shall be the earliest of the following :

(i) The date CRS recommends opening of the Section(s) for public carriage of passengers to Central Government, for speeds of not less than 75% of the designed operating speeds or,

(ii) The date CRS authorises the Railway Administration for opening of Section(s), subject to sanction of the Central Government for speeds of not less than 75% of the designed operating speeds, or,

(iii) The date CRS authorizes/sanctions opening of Section(s) without inspection.

8.3 Programme

The Contractor shall submit a detailed time programme to the Engineer within 28 days after receiving the notice under Sub-Clause 8.1 [Commencement of Works]. The program shall include the physical and Financial Progress vis-à-vis program and forecast cash flow adopting Project Management Software Primavera/Sure Track/MS Project or as mutually agreed. The program must identify the milestones, interface requirements and program reporting elements. The Contractor shall supply, free of cost one set of authorized software to the Engineer and the soft copy of structured program for the project. This shall be updated every month. The Contractor shall also submit a revised programme whenever the previous programme is inconsistent with actual progress or with the Contractor's obligations. Each programme shall include:

(a) the order in which the Contractor intends to carry out the Works, including the anticipated timing of each stage of design (if any), Contractor's Documents, procurement, manufacture of Plant, delivery to Site, construction, erection and testing,

(b) each of these stages for work by each nominated Subcontractor (as defined in Clause 5 [Nominated Subcontractors]),

(c) the sequence and timing of inspections and tests specified in the Contract, and

(d) a supporting report which includes:

(i) a general description of the methods which the Contractor intends to adopt, and of the major stages, in the execution of the Works, and

(ii) details showing the Contractor's reasonable estimate of the number of each class of Contractor's Personnel and of each type of Contractor's Equipment, required on the Site for each major stage.

Unless the Engineer, within 21 days after receiving a programme, gives notice to the Contractor stating the extent to which it does not comply with the Contract, the Contractor shall proceed in accordance with the programme, subject to his other obligations under the Contract. The Employer's Personnel shall be entitled to rely upon the programme when planning their activities.

The Contractor shall promptly give notice to the Engineer of specific probable future events or circumstances which may adversely affect the work, increase the Contract Price

or delay the execution of the Works. The Engineer may require the Contractor to submit an estimate of the anticipated effect of the future event or circumstances, and/or a proposal under Sub-Clause 13.3 [Variation Procedure].

If, at any time, the Engineer gives notice to the Contractor that a programme fails (to the extent stated) to comply with the Contract or to be consistent with actual progress and the Contractor's stated intentions, the Contractor shall submit a revised programme to the Engineer within 15 days in accordance with this Sub-Clause.

8.4 Extension of Time for Completion

The Contractor shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to an extension of the Time for Completion if and to the extent that completion for the purposes of Sub-Clause 10.1 [Taking-Over of the Works and Sections] is or will be delayed by any of the following causes:

(a) a Variation (unless an adjustment to the Time for Completion has been agreed under Sub-Clause 13.3 [Variation Procedure]) or other substantial change in the quantity of an item of work included in the Contract,

(b) a cause of delay giving an entitlement to extension of time under a Sub-Clause of these Conditions,

(c) exceptionally adverse climatic conditions,

(d) Unforeseeable shortages in the availability of personnel or Goods caused by epidemic or governmental actions, or

(e) any delay, impediment or prevention caused by or attributable to the Employer, the Employer's Personnel, or the Employer's other contractors.

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If the Contractor considers himself to be entitled to an extension of the Time for Completion, the Contractor shall give notice to the Engineer in accordance with Sub-Clause 20.1 [Contractor's Claims]. When determining each extension of time under Sub-Clause 20.1, the Engineer shall review previous determinations and may increase, but shall not decrease, the total extension of time.

8.5 Delays Caused by Authorities

If the following conditions apply, namely:

(a) the Contractor has diligently followed the procedures laid down by the relevant legally constituted public authorities in the Country,

(b) these authorities delay or disrupt the Contractor's work, and

(c) the delay or disruption was Unforeseeable,

then this delay or disruption will be considered as a cause of delay under sub-paragraph (b) of Sub-Clause 8.4 [Extension of Time for Completion].

8.6 Rate of Progress

If, at any time:

(a) actual progress is too slow to complete within the Time for Completion, and/or

(b) progress has fallen (or will fall) behind the current programme under Sub-Clause 8.3 [Programme],

other than as a result of a cause listed in Sub-Clause 8.4 [Extension of Time for Completion], then the Engineer may instruct the Contractor to submit, under Sub-Clause 8.3 [Programme], a revised programme and supporting report describing the revised methods which the Contractor proposes to adopt in order to expedite progress and complete within the Time for Completion.

Unless the Engineer notifies otherwise, the Contractor shall adopt these revised methods, which may require increases in the working hours and/or in the numbers of Contractor's Personnel and/or Goods, at the risk and cost of the Contractor. If these revised methods cause the Employer to incur additional costs, the Contractor shall subject to Sub-Clause 2.5 [Employer's Claims] pay these costs to the Employer, in addition to delay damages (if any) under Sub-Clause 8.7 below.

8.7 Extension of Time for Completion with Delay Damages

If the Contractor fails to comply with Sub-Clause 8.2 [Time for Completion for entire work or for specified section wise completion period], and he is not entitled to an extension of time under sub clause 8.4 then the employer may grant extension of time with delay damage in such case, the Contractor shall subject to Sub-Clause 2.5 [Employer's Claims] pay delay damages to the Employer for this default. These delay damages shall be the sum stated in the Contract Data, which shall be paid for every day which shall elapse between the relevant Time for Completion and the date stated in the Taking-Over Certificate. However, the total amount due under this Sub-Clause shall not exceed the maximum amount of delay damages (if any) stated in the Contract Data.

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Further, if the contractor fails to achieve physical/financial targets as per the agreed programme for a consecutive period of 3 months without any valid reasons, other than attributable to the contractor, a provisional recovery of delay damages shall be made from the next interim payment certificate @ $1/10^{th}$ of the sum of delay damages stated in the contract data, for the entire period of 3 months. Such recovery shall continue from the further interim payment certificates till the contractor is able to make good the shortfall and achieve the cumulative targets as per agreed programme. On achieving the cumulative progress targets as per agreed programme, the entire amount recovered till that month, shall be refunded to the contractor in the next interim payment certificate. In case the contractor is unable to make good the shortfall and achieve the cumulative targets resulting in delay in completion of the project, then the provisional recoveries made shall be adjusted against the delay damages to be finally imposed on the contractor.

These delay damages shall be the only damages due from the Contractor for such default, other than in the event of termination under Sub-Clause 15.2 [Termination by Employer] prior to completion of the Works. These damages shall not relieve the Contractor from his obligation to complete the Works, or from any other duties, obligations or responsibilities which he may have under the Contract.

8.8 Suspension of Work

The Engineer may at any time instruct the Contractor to suspend progress of part or all of the Works. During such suspension, the Contractor shall protect, store and secure such

part or the Works against any deterioration, loss or damage.

The Engineer may also notify the cause for the suspension. If and to the extent that the cause is notified and is the responsibility of the Contractor, the following Sub-Clauses 8.9, 8.10 and 8.11 shall not apply.

8.9 Consequences of Suspension

If the Contractor suffers delay and/or incurs Cost from complying with the Engineer's instructions under Sub-Clause 8.8 [Suspension of Work] and/or from resuming the work, the Contractor shall give notice to the Engineer and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:

(a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and

(b) payment of any such Cost, which shall be included in the Contract Price.

After receiving this notice, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.

The Contractor shall not be entitled to an extension of time for, or to payment of the Cost incurred in, making good the consequences of the Contractor's faulty design, workmanship or materials, or of the Contractor's failure to protect, store or secure in accordance with Sub-Clause 8.8 [Suspension of Work].

8.10 Payment for Plant and Materials in Event of Suspension

The Contractor shall be entitled to payment of the value (as at the date of suspension)of Plant and/or Materials, if:

(a) the work on Plant or delivery of Plant and/or Materials has been suspended for more than 28 days,

(b) the Contractor has marked the Plant and/or Materials as the Employer's property in accordance with the Engineer's instructions, and

(c) Such materials or plant is received at site.

8.11 Prolonged Suspension

If the suspension under Sub-Clause 8.8 [Suspension of Work] has continued for more than 84 days, the Contractor may request the Engineer's permission to proceed. If the Engineer does not give permission within 28 days after being requested to do so, the Contractor may, by giving notice to the Engineer, treat the suspension as an omission under Clause 13 [Variations and Adjustments] of the affected part of the Works. If the suspension affects the whole of the Works, the Contractor may give notice of termination under Sub-Clause 16.2 [Termination by Contractor].

8.12 Resumption of Work

After the permission or instruction to proceed is given, the Contractor and the Engineer shall jointly examine the Works and the Plant and Materials affected by the suspension. The Contractor shall make good any deterioration or defect in or loss of the Works or Plant or Materials, which has occurred during the suspension.

8.13 Bonus for early completion:

If the Contractor achieves completion of the whole of the Works or any section(s) prior to the intended Completion Date prescribed in Contract data (Extension of time pursuant to Clause 8.4 or any other clause of these conditions will not be considered), the Employer shall pay to the Contractor a sum stated in the Contract data as bonus for early completion, for every calendar month which shall elapse between the date of completion of all items of works as stipulated in the contract, including variations ordered by the Engineer and the time prescribed in Clause 8.2. However, on handing over of the particular section for construction of OHE foundations after completing formation, turfing, side drains & protection works for the section excluding station yards but including buildings required for commissioning of the section, the section shall be considered to be substantially completed for the purposes of first stage bonus payment.

If General Manager of the Zonal Railway has signed application for opening of the section(s), such section(s) shall be treated as substantially completed on the date 45 days after the date of signing the application for the purposes of second stage bonus under this clause subject to the conditions that: -

a) In case the CRS has authorized the opening of the section(s) within 45 days from the date of signing the application, then date of authorization shall be the date of completion.

b) In case the CRS has not authorized opening of the section(s) after having come for inspection within 45 days from the date of signing the application, then the section(s) shall not be treated as substantially completed for the purposes of bonus under this clause.

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For the purpose of calculating bonus payments, the time given in the Bid for completion of the whole works or any section(s) is fixed and unless otherwise agreed, no adjustment of the time by reasons of granting an extension of time pursuant to clause 8.4 or any other clause of these conditions will be allowed. Any period falling short of completed month shall be ignored for the purpose of computing the period relevant for the payment of bonus.

If the Contractor achieves completion of the whole of the Works or any section(s) prior to the intended Completion Date prescribed in Contract data (Extension of time pursuant to Clause 8.4 or any other clause of these conditions will not be considered), the Employer shall pay to the Contractor a sum stated in the Contract data as bonus for early completion, for every calendar month which shall elapse between the date of completion of all items of works as stipulated in the contract, including variations ordered by the Engineer and the time prescribed in Clause 8.2. However, on completion of all PSC girder/slab bridges including protection works and successful passing of load testing but excluding linking of track, and on completion of all steel girder bridges, if any, including protection works but excluding load testing and linking of track on steel girder bridges, the section shall be considered to be substantially completed for the purposes of bonus payment under this clause. In case the particular section involves construction of steel bridges, the payment of bonus shall only be done on successful passing of load testing of steel bridges but the bonus is to be calculated from the date of substantial completion as defined above.

For the purpose of calculating bonus payments, the time given in the Bid for completion of the whole works or any section(s) is fixed and unless otherwise agreed, no adjustment of the time by reasons of granting an extension of time pursuant to clause 8.4 or any other clause of these conditions will be allowed. Any period falling short of completed month

shall be ignored for the purpose of computing the period relevant for the payment of bonus.

9 Tests on Completion

9.1 Contractor's Obligations

The Contractor shall carry out the Tests on Completion in accordance with this Clause and Sub-Clause 7.4 [Testing], after providing the documents in accordance with sub-paragraph (d) of Sub-Clause 4.1 [Contractor's General Obligations].

The Contractor shall give to the Engineer not less than 21 days' notice of the date after which the Contractor will be ready to carry out each of the Tests on Completion. Unless otherwise agreed, Tests on Completion shall be carried out within 14 days after this date, on such day or days as the Engineer shall instruct.

In considering the results of the Tests on Completion, the Engineer shall make allowances for the effect of any use of the Works by the Employer on the performance or other characteristics of the Works. As soon as the Works, or a Section, have passed any Tests on Completion, the Contractor shall submit a certified report of the results of these Tests to the Engineer.

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9.2 Delayed Tests

If the Tests on Completion are being unduly delayed by the Employer, Sub-Clause 7.4 [Testing] (fifth paragraph) and/or Sub-Clause 10.3 [Interference with Tests on Completion] shall be applicable.

If the Tests on Completion are being unduly delayed by the Contractor, the Engineer may by notice require the Contractor to carry out the Tests within 21 days after receiving the notice. The Contractor shall carry out the Tests on such day or days within that period as the Contractor may fix and of which he shall give notice to the Engineer.

If the Contractor fails to carry out the Tests on Completion within the period of 21 days, the Employer's Personnel may proceed with the Tests at the risk and cost of the Contractor. The Tests on Completion shall then be deemed to have been carried out in the presence of the Contractor and the results of the Tests shall be accepted as accurate.

9.3 Retesting

If the Works, or a Section, fail to pass the Tests on Completion, Sub-Clause 7.5 [Rejection] shall apply, and the Engineer or the Contractor may require the failed Tests, and Tests on Completion on any related work, to be repeated under the same terms and conditions.

9.4 Failure to Pass Tests on Completion

If the Works, or a Section, fail to pass the Tests on Completion repeated under Sub-Clause 9.3 [Retesting], the Engineer shall be entitled to:

(a) order further repetition of Tests on Completion under Sub-Clause 9.3;

(b) if the failure deprives the Employer of substantially the whole benefit of the Works or Section, reject the Works or Section (as the case may be), in which event the Employer shall have the same remedies as are provided in sub-paragraph (c) of Sub-Clause 11.4 [Failure to Remedy Defects]; or

(c) issue a Taking-Over Certificate, if the Employer so requests.

In the event of sub-paragraph (c), the Contractor shall proceed in accordance with all other obligations under the Contract, and the Contract Price shall be reduced by such amount as shall be appropriate to cover the reduced value to the Employer as a result of this failure. Unless the relevant reduction for this failure is stated (or its method of calculation is defined) in the Contract, the Employer may require the reduction to be (i) agreed by both Parties (in full satisfaction of this failure only) and paid before this Taking-Over Certificate is issued, or (ii) determined and paid under Sub-Clause 2.5 [Employer's Claims] and Sub-Clause 3.5 [Determinations].

9.5 Contractor's obligations

Notwithstanding the provisions of sub-clauses 4.1, 9.1 to 9.4 the provisions in subsequent sub-clauses shall apply for works of Permanent Way, signaling and telecommunication and railway electrification excluding General Electrical Services.

(a) The Contractor shall be responsible for the execution of temporary and/or permanent works which may require the prior sanction/approval of Commissioner of Railway Safety (CRS) in accordance with extant rules for " The Railways opening for Public Carriage of Passengers" was amended from time to time. And applicable as and when the works are undertaken. The Contractor shall initiate the process for approval at least **63** (sixty three) days prior to undertaking such works which require the approval of Commissioner of Railway Safety (CRS) and furnish draft documentation to the Engineer.

(b) The Contractor shall ensure that existing services and operations for public carriage of passengers or goods, are not affected except those, which are essentially required to be regulated for execution of works. Such items of works shall be planned and coordinated through the Engineer.

(c) Prior to the commencement of commercial operations of passenger traffic :

(i) The Contractor may have to operate locomotives, track machines and any other rolling stock for track tamping, trial runs, etc. for which track, signaling or OHE works must comply with the specifications.

(ii) The Employer may permit freight train operations to Railway after certification by the authorized person of Zonal Railway

(iii) The Contractor shall be responsible for maintaining the facilities ensuring safety of operations under (i) & (ii) above as per specifications.

(iv)

10 Employer's Taking Over

10.1 Taking Over of the Works and Sections

Except as stated in Sub-Clause 9.4 [Failure to Pass Tests on Completion], the Works shall be taken over by the Employer/Railway when (i) the Works have been completed in accordance with the Contract, including the matters described in Sub-Clause 8.2 [Time for Completion] and except as allowed in sub-paragraph (a) below, and (ii) a Taking-Over Certificate for the Works has been issued, or is deemed to have been issued in accordance with this Sub-Clause.

The Contractor may apply by notice to the Engineer for a Taking-Over Certificate not earlier than 14 days before the Works will, in the Contractor's opinion, be complete and ready for taking over. If the Works are divided into Sections, the Contractor may similarly apply for a Taking-Over Certificate for each Section.

In case the works are to be taken over in accordance with sub-clause 9.5, the completed works shall be taken over by the Zonal Railway with the procedure specified by the Engineer.

The Engineer shall, within 28 days after receiving the Contractor's application:

(a) issue the Taking-Over Certificate to the Contractor, stating the date on which the Works or Section were completed in accordance with the Contract, except for any minor outstanding work and defects which will not substantially affect the use of the Works or Section for their intended purpose (either until or whilst this work is completed and these defects are remedied); or

(b) reject the application, giving reasons and specifying the work required to be done by the Contractor to enable the Taking-Over Certificate to be issued. The Contractor shall then complete this work before issuing a further notice under this Sub-Clause.

If the Engineer fails either to issue the Taking-Over Certificate or to reject the Contractor's application within the period of 28 days, and if the Works or Section (as the case may be) are substantially in accordance with the Contract, the Taking-Over Certificate shall be deemed to have been issued on the last day of that period.

10.2 Taking Over of Parts of the Works

The Engineer may, at the sole discretion of the Employer, issue a Taking-Over Certificate for any part of the Permanent Works.

The Employer shall not use any part of the Works (other than as a temporary measure which is either specified in the Contract or agreed by both Parties) unless and until the Engineer has issued a Taking-Over Certificate for this part. However, if the Employer does use any part of the Works before the Taking-Over Certificate is issued:

(a) the part which is used shall be deemed to have been taken over as from the date on which it is used,

(b) the Contractor shall cease to be liable for the care of such part as from this date, when responsibility shall pass to the Employer, and

(c) if requested by the Contractor, the Engineer shall issue a Taking-Over Certificate for this part.

After the Engineer has issued a Taking-Over Certificate for a part of the Works, the Contractor shall be given the earliest opportunity to take such steps as may be necessary to carry out any outstanding Tests on Completion. The Contractor shall carry out these Tests on Completion as soon as practicable before the expiry date of the relevant Defects Notification Period.

If the Contractor incurs Cost as a result of the Employer taking over and/or using a part of the Works, other than such use as is specified in the Contract or agreed by the Contractor, the Contractor shall (i) give notice to the Engineer and (ii) be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to payment of any such Cost, which shall be included in the Contract Price. After receiving this notice, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine this Cost and profit.

If a Taking-Over Certificate has been issued for a part of the Works (other than a Section), the delay damages thereafter for completion of the remainder of the Works shall be reduced. Similarly, the delay damages for the remainder of the Section (if any) in which this part is included shall also be reduced. For any period of delay after the date stated in this Taking-Over Certificate, the proportional reduction in these delay damages shall be calculated as the proportion which the value of the part so certified bears to the value of the Works or Section (as the case may be) as a whole. The Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these proportions. The provisions of this paragraph shall only apply to the daily rate of delay damages under Sub-Clause 8.7 [Delay Damages], and shall not affect the maximum amount of these damages.

10.3 Interference with Tests on Completion

If the Contractor is prevented, for more than 14 days, from carrying out the Tests on Completion by a cause for which the Employer/Engineer/other Contractors of the Employer, are responsible, the Employer shall be deemed to have taken over the Works or Section (as the case may be) on the date when the Tests on Completion would otherwise have been completed.

The Engineer shall then issue a Taking-Over Certificate accordingly, and the Contractor shall carry out the Tests on Completion as soon as practicable, before the expiry date of the Defects Notification Period. The Engineer shall require the Tests on Completion to be carried out by giving 14 days' notice and in accordance with the relevant provisions of the Contract.

If the Contractor suffers delay and/or incurs Cost as a result of this delay in carrying out the Tests on Completion, the Contractor shall give notice to the Engineer and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:

(a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and

(b) payment of any such Cost, which shall be included in the Contract Price.

After receiving this notice, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.

10.4 Surfaces Requiring Reinstatement

Except as otherwise stated in a Taking-Over Certificate, a certificate for a Section or part of the Works shall not be deemed to certify completion of any ground or other surfaces requiring reinstatement.

11 Defects Liability

11.1 Completion of Outstanding Work and Remedying Defects

In order that the Works and Contractor's Documents, and each Section, shall be in the condition required by the Contract (fair wear and tear excepted) by the expiry date of the relevant Defects Notification Period or as soon as practicable thereafter, the Contractor shall:

(a) complete any work which is outstanding on the date stated in a Taking-Over Certificate, within such reasonable time as is instructed by the Engineer, and

(b) execute all work required to remedy defects or damage, as may be notified by (or on behalf of) the Employer on or before the expiry date of the Defects Notification Period for the Works or Section (as the case may be).

If a defect appears or damage occurs, the Contractor shall be notified accordingly, by (or on behalf of) the Employer.

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11.2 Cost of Remedying Defects

All work referred to in sub-paragraph (b) of Sub-Clause 11.1 [Completion of Outstanding Work and Remedying Defects] shall be executed at the risk and cost of the Contractor, if and to the extent that the work is attributable to:

(a) any design for which the Contractor is responsible,

(b) Plant, Materials or workmanship not being in accordance with the Contract, or

(c) failure by the Contractor to comply with any other obligation.

If and to the extent that such work is attributable to any other cause, the Contractor shall be notified promptly by (or on behalf of) the Employer, and Sub-Clause 13.3 [Variation Procedure] shall apply

11.3 Extension of Defects Notification Period

The Employer shall be entitled subject to Sub-Clause 2.5 [Employer's Claims] to an extension of the Defects Notification Period for the Works or a Section if and to the extent that the Works, Section or a major item of Plant (as the case may be, and after taking over) cannot be used for the purposes for which they are intended by reason of a defect or damage. However, a Defects Notification Period shall not be extended by more than two years.

If delivery and/or erection of Plant and/or Materials was suspended under Sub-Clause 8.8 [Suspension of Work] or Sub-Clause 16.1 [Contractor's Entitlement to Suspend Work], the

Contractor's obligations under this Clause shall not apply to any defects or damage occurring more than two years after the Defects Notification Period for the Plant and/or Materials would otherwise have expired.

11.4 Failure to Remedy Defects

If the Contractor fails to remedy any defect or damage within a reasonable time, a date may be fixed by (or on behalf of) the Employer, on or by which the defect or damage is to be remedied. The Contractor shall be given reasonable notice of this date.

If the Contractor fails to remedy the defect or damage by this notified date and this remedial work was to be executed at the cost of the Contractor under Sub-Clause 11.2 [Cost of Remedying Defects], the Employer may (at his option):

(a) Carry out the work himself or by others, in a reasonable manner and at the Contractor's cost, but the Contractor shall have no responsibility for this work; and the Contractor shall subject to Sub-Clause 2.5 [Employer's Claims] pay to the Employer the costs reasonably incurred by the Employer in remedying the defect or damage;

(b) require the Engineer to agree or determine a reasonable reduction in the Contract Price in accordance with Sub-Clause 3.5 [Determinations]; or

(c) if the defect or damage deprives the Employer of substantially the whole benefit of the Works or any major part of the Works, terminate the Contract as a whole, or in respect of such major part which cannot be put to the intended use. Without prejudice to any other rights, under the Contract or otherwise, the Employer shall then be entitled to recover all sums paid for the Works or for such part (as the case may be), plus financing costs and the cost of dismantling the same, clearing the Site and returning Plant and Materials to the Contractor.

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11.5 Removal of Defective Work

If the defect or damage cannot be remedied expeditiously on the Site and the Employer gives consent, the Contractor may remove from the Site for the purposes of repair such items of Plant as are defective or damaged. This consent may require the Contractor to increase the amount of the Performance Security by the full replacement cost of these items, or to provide other appropriate security.

11.6 Further Tests

If the work of remedying of any defect or damage may affect the performance of the Works, the Engineer may require the repetition of any of the tests described in the Contract. The requirement shall be made by notice within 28 days after the defect or damage is remedied.

These tests shall be carried out in accordance with the terms applicable to the previous tests, except that they shall be carried out at the risk and cost of the Party liable, under Sub-Clause 11.2 [Cost of Remedying Defects], for the cost of the remedial work.

11.7 Right of Access

Until the Performance Certificate has been issued, the Contractor shall have such right of access to the Works as is reasonably required in order to comply with this Clause, except as may be inconsistent with the Employer's reasonable security restrictions.

11.8 Contractor to Search

The Contractor shall, if required by the Engineer, search for the cause of any defect, under the direction of the Engineer. Unless the defect is to be remedied at the cost of the Contractor under Sub-Clause 11.2 [Cost of Remedying Defects], the Cost of the search shall be agreed or determined by the Engineer in accordance with Sub-Clause 3.5 [Determinations] and shall be included in the Contract Price.

11.9 Performance and Maintenance Certificate

a) Maintenance Certificate

Contractor's obligations shall not be considered to have been completed until the Employer has issued the Maintenance Certificate to the Contractor, stating the date on which the Contractor completed his obligations under the Contract.

The Employer shall issue the Maintenance Certificate within 28 days after the latest of the expiry dates of the Defects Notification Periods, or as soon thereafter as the Contractor has supplied all the Contractor's Documents and completed and tested all the Works, including remedying any defects If any during the defect liability period.

b) Performance Certificate

Performance of the Contractor's obligations shall not be considered to have been completed until the Employer has issued the Performance Certificate to the Contractor, stating the date on which the Contractor completed all the works under the Contract.

The Employer shall issue the **Performance** Certificate within 28 days after the Completion of all works , or as soon thereafter if the Contractor has supplied all the Contractor's Documents and completed and tested all the Works, including remedying any defects before handing over the assets.

11.10 Unfulfilled Obligations

After the Performance Certificate has been issued, each Party shall remain liable for the fulfilment of any obligation which remains unperformed at that time. For the purposes of determining the nature and extent of unperformed obligations, the Contract shall be deemed to remain in force.

11.11 Clearance of Site

Upon receiving the Performance Certificate, the Contractor shall remove any remaining Contractor's Equipment, surplus material, wreckage, rubbish and Temporary Works from the Site.

If all these items have not been removed within 28 days after the Employer receives a copy of the Performance Certificate, the Employer may sell or otherwise dispose of any remaining items. The Employer shall be entitled to be paid the costs incurred in connection with, or attributable to, such sale or disposal and restoring the Site.

Any balance of the moneys from the sale shall be paid to the Contractor. If these moneys are less than the Employer's costs, the Contractor shall pay the outstanding balance to the Employer.

12 Measurement and Evaluation

12.1 Works to be Measured

The Works shall be measured, and valued for payment, in accordance with this Clause.

Whenever the Engineer requires any part of the Works to be measured, reasonable notice shall be given to the Contractor's Representative, who shall:

(a) promptly either attend or send another qualified representative to assist the Engineer in making the measurement, and

(b) supply any particulars requested by the Engineer.

If the Contractor fails to attend or send a representative, the measurement made by (or on behalf of) the Engineer shall be accepted as accurate.

Except as otherwise stated in the Contract, wherever any Permanent Works are to be measured from records, these shall be prepared by the Engineer. The Contractor shall, as and when requested, attend to examine and agree the records with the Engineer, and shall sign the same when agreed. If the Contractor does not attend, the records shall be accepted as accurate.

If the Contractor examines and disagrees the records, and/or does not sign them as agreed, then the Contractor shall give notice to the Engineer of the respects in which the records are asserted to be inaccurate. After receiving this notice, the Engineer shall review the records and either confirm or vary them. If the Contractor does not so give notice to the Engineer within 14 days after being requested to examine the records, they shall be accepted as accurate.

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12.2 Method of Measurement

Except as otherwise stated in the Contract and notwithstanding local practice:

(a) measurement shall be made of the net actual quantity of each item of the Permanent Works, and

(b) the method of measurement shall be in accordance with the Bill of Quantities or other applicable Schedules.

12.3 Evaluation

Except as otherwise stated in the contract, the Engineer shall proceed in accordance with sub clause 3.5 (Determinations) to agree or determine the contract price by evaluating each item of work, applying the measurement agreed or determined in accordance with the above sub clause 12.1 and 12.2 and the appropriate rate or price for the item.
For each item of work, the appropriate rate or price for the item shall be the rate or price specified for such item in the contract or, if there is no such item, specified for similar work.

12.3.1 However, a new rate or price shall be appropriate for an item of work if :

(a) all the following conditions are met for existing item of the contract:

(i) the measured quantity of the item is increased by more than 50% from the quantity of this item in the Bill of Quantities or the Schedule,

(ii) this increase in quantity multiplied by specified rate for this item in the Bill of Quantities or the Schedule, exceeds 0.25% of the Accepted Contract Amount,

(iii) this item is not specified in the contract as a "fixed rate item".

Note: New rates in case of increase in quantity of the agreement items shall be applicable to the increase in quantities beyond the quantities required to meet conditions specified under 12.3.1 (a) (i) & (ii) above.

OR

(b) (i) the work is instructed under clause 13[Variations and Adjustments],

(ii) no rate or price is specified in the contract for this item, and

(iii) no specified rate or price is appropriate because the item of work is not of similar character, or is not executed under similar conditions, as any item in the contract.

OR

(c) On passage of original completion period stipulated in the contract, if site in some stretches has not been handed over for execution of the work due to any of the reasons mentioned below:

(i) non acquisition of land,

(ii) non availability of forest/wild life clearances,

(iii) non removal of encroachments, delay in shifting of utilities (to be shifted by other agencies) and

(iv) non handing over of the sites by other agencies/authorities

and the contractor otherwise has been executing the works satisfactorily on other sites, as certified by the Engineer, the contractor shall be entitled for new rates for the items and quantities of work which could not be executed in the stretches still to be handed over. In case the progress is not satisfactory, the contractor shall not be entitled for new rates and the Employer shall have the option either to continue the work in these stretches through the same agency or get it executed through other means.

In case of entitlement for new rates, if the contractor is not willing to take up the work in these stretches, he will have the option to say so in writing or if no agreement is reached on new rates, the remaining works of such stretches shall be excluded from the scope of the contract through a variation statement. In such a case the contractor shall not be entitled for any claim or compensation on this account. The employer shall get the remaining works on these stretches executed through other means.

12.3.2

(i) Each new rate or price for item(s) as described in sub paragraph 12.3.1 (a) & (c) above shall be derived from an assessment of the reasonable cost of executing the work with an additional element of 15% towards overheads and profit of the Contractor.

(ii) Each new rate or price for item(s) as described in sub paragraph 12.3.1 (b) above shall be derived from an assessment of the reasonable cost of executing the work with an additional element of 15% towards overheads and profit of the Contractor,

subject to the condition that such item(s) as described in sub paragraph 12.3.1 (b) above is/are not available in the "Standard Bill of Quantities of K RIDE".

(iii) In case item(s) as described in sub paragraph 12.3.1 (b) above is/are available in the "Standard Bill of Quantities of K RIDE (updated upto 28 days prior to deadline for submission of bids)", new rate or price for such items shall be the rate as available in the "Standard Bill of Quantities of K RIDE (updated upto 28 days prior to deadline for submission of bids)", modified by the percentage above/below accepted in this contract for the respective schedule and also price variation shall be applicable in the same manner as applicable to items specified in the contract.

(iv) The assessment of reasonable cost of executing the work (except over heads and profit which shall be 15%) shall be arrived at based on the prevailing rates and by taking guidance from the following documents. The priority of the documents shall be in accordance with the following sequence:

a) Analysis of Unified SOR of Indian Railway;

b) Analysis issued by MORTH;

c) Schedule of Rates issued by CPWD;

d) Market analysis.

(v) If the final rate decided by the competent authority as per K RIDE SOP is not acceptable to the contractor, the contractor will be bound to execute the work at the rates as decided by the competent authority of K RIDE but he may refer the dispute in rate for settlement as per provisions of clause 20 of General Conditions of Contract.Until such time as an appropriate rate or price is agreed or determined, the Engineer shall make the Interim payment at the rate of 80% of the rate proposed by him and accepted by the Project Director (concerned GM(Civil) in charge of the project).

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12.3.3

Until such time as an appropriate rate or price is agreed or determined, the Engineer shall make the Interim payment at the rate of 80% of the rate proposed by him and accepted by the Project Director (concerned GM(Civil) in charge of the project).

12.4 Omissions

Whenever the omission of any work forms part (or all) of a Variation, the value of which has not been agreed, if:

(a) the Contractor will incur (or has incurred) cost which, if the work had not been omitted, would have been deemed to be covered by a sum forming part of the Accepted Contract Amount;

(b) the omission of the work will result (or has resulted) in this sum not forming part of the Contract Price; and

(c) this cost is not deemed to be included in the evaluation of any substituted work;

then the Contractor shall give notice to the Engineer accordingly, with supporting particulars. Upon receiving this notice, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine this cost, which shall be included

in the Contract Price.

13 Variations and Adjustments

13.1 Right to Vary

Variations may be initiated by the Employer at any time prior to issuing the Taking-Over Certificate for the Works, either by an instruction or by making a request to the Contractor to submit a proposal.

The Contractor shall execute and be bound by each Variation till the price does not exceed 50% of the agreemental value as specified in letter of acceptance / original agreement. For variation beyond the above the contractor shall be bound to execute, unless the Contractor promptly gives notice to the Engineer stating (with supporting particulars) that the Contractor cannot readily obtain the Goods required for the Variation. Upon receiving this notice, the Engineer shall cancel, confirm or vary the instruction.

Each Variation may include:

(a) changes to the quantities of any item of work included in the Contract,

(b) changes to the quality and other characteristics of any item of work,

(c) changes to the levels, positions and/or dimensions of any part of the Works,

(d) omission of any work unless it is to be carried out by others,

(e) any additional work, Plant, Materials or services necessary for the Permanent Works, including any associated Tests on Completion, boreholes and other testing and exploratory work, or

(f) changes to the sequence or timing of the execution of the Works.

The Contractor shall not make any alteration and/or modification of the Permanent Works, unless and until the Engineer instructs or approves a Variation.

13.2 Value Engineering

The Contractor may, at any time, submit to the Engineer a written proposal which (in the Contractor's opinion) will, if adopted, (i) accelerate completion, (ii) reduce the cost to the Employer of executing, maintaining or operating the Works, (iii) improve the efficiency or value to the Employer of the completed Works, or (iv) otherwise be of benefit to the Employer.

The proposal shall be prepared at the cost of the Contractor and shall include the items listed in Sub-Clause 13.3 [Variation Procedure].

If a proposal, which is approved by the Engineer, includes a change in the design of part of the Permanent Works, then unless otherwise agreed by both Parties:

(a) the Contractor shall design this part,

(b) sub-paragraphs (a) to (d) of Sub-Clause 4.1 [Contractor's General Obligations] shall apply, and

(c) if this change results in a reduction in the contract value of this part, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine a fee, which shall be included in the Contract Price. This fee shall be half (50%) of the difference between the following amounts:

  (i) such reduction in contract value, resulting from the change, excluding adjustments under Sub-Clause 13.7 [Adjustments for Changes in Legislation] and Sub-Clause 13.8 [Adjustments for Changes in Cost],and

  (ii) the reduction (if any) in the value to the Employer of the varied works, taking account of any reductions in quality, anticipated life or operational efficiencies.

However, if amount (i) is less than amount (ii), there shall not be a fee.

13.3 Variation Procedure

If the Engineer requests a proposal, prior to instructing a Variation, the Contractor shall respond in writing as soon as practicable, either by giving reasons why he cannot comply (if this is the case) or by submitting:

(a) a description of the proposed work to be performed and a programme for its execution,

(b) the Contractor's proposal for any necessary modifications to the programme according to Sub-Clause 8.3 [Programme] and to the Time for Completion, and

(c) the evaluation of the Variation shall be as specified in Clause 12.3 Evaluation.

The Engineer shall, as soon as practicable after receiving such proposal (under Sub-Clause 13.2 [Value Engineering] or otherwise), respond with approval, disapproval or comments. The Contractor shall not delay any work whilst awaiting a response.

Each instruction to execute a Variation, with any requirements for the recording of Costs, shall be issued by the Engineer to the Contractor, who shall acknowledge receipt.

Each Variation shall be evaluated in accordance with Clause 12 [Measurement and Evaluation], unless the Engineer instructs or approves otherwise in accordance with this Clause.

13.4 Payment in Applicable Currencies

If the Contract provides for payment of the Contract Price in more than one currency, then whenever an adjustment is agreed, approved or determined as stated above, the amount payable in each of the applicable currencies shall be specified. For this purpose, reference shall be made to the actual or expected currency proportions of the Cost of the varied work, and to the proportions of various currencies specified for payment of the Contract Price.

13.5 Provisional Sums

Each Provisional Sum shall only be used, in whole or in part, in accordance with the Engineer's instructions, and the Contract Price shall be adjusted accordingly. The total sum paid to the Contractor shall include only such amounts, for the work, supplies or services to which the Provisional Sum relates, as the Engineer shall have instructed. For each Provisional Sum, the Engineer may instruct:

(a) work to be executed (including Plant, Materials or services to be supplied) by the Contractor and valued under Sub-Clause 13.3 [Variation Procedure]; and/or

(b) Plant, Materials or services to be purchased by the Contractor, from a nominated Subcontractor (as defined in Clause 5 [Nominated Subcontractors]) or otherwise; and for which these shall be included in the Contract Price:

  (i) the actual amounts paid (or due to be paid) by the Contractor, and

  (ii) a sum for overhead charges and profit, calculated as a percentage of these actual amounts by applying the relevant percentage rate (if any) stated in the appropriate Schedule. If there is no such rate, the percentage rate stated in the Contract Data shall be applied.

The Contractor shall, when required by the Engineer, produce quotations, invoices, vouchers and accounts or receipts in substantiation.

13.6 Day work

For work of a minor or incidental nature, the Engineer may instruct that a Variation shall be executed on a daywork basis. The work shall then be valued in accordance with the Daywork Schedule included in the Contract, and the following procedure shall apply. If a Daywork Schedule is not included in the Contract, this Sub-Clause shall not apply.

Before ordering Goods for the work, the Contractor shall submit quotations to the Engineer. When applying for payment, the Contractor shall submit invoices, vouchers and accounts or receipts for any Goods.

Except for any items for which the Daywork Schedule specifies that payment is not due, the Contractor shall deliver each day to the Engineer accurate statements in duplicate which shall include the following details of the resources used in executing the previous day's work:

(a) the names, occupations and time of Contractor's Personnel,

(b) the identification, type and time of Contractor's Equipment and Temporary Works, and

(c) the quantities and types of Plant and Materials used.

One copy of each statement will, if correct, or when agreed, be signed by the Engineer and returned to the Contractor. The Contractor shall then submit priced statements of these resources to the Engineer, prior to their inclusion in the next Statement under Sub-Clause 14.3 [Application for Interim Payment Certificates]

13.7 Adjustmentsfor Changes in Legislation

Contract Price shall be adjusted to take account of any increase or decrease in Cost resulting from a change in the Laws of the Country (including the introduction of new Laws and the repeal or modification of existing Laws) or in the judicial or official governmental interpretation of such Laws, made after the Base Date, which affect the Contractor in the

performance of obligations under the Contract.

If the Contractor suffers (or will suffer) delay and/or incurs (or will incur) additional Cost as a result of these changes in the Laws or in such interpretations, made after the Base Date, the Contractor shall give notice to the Engineer and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:

(a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and

(b) payment of any such Cost, which shall be included in the Contract Price

After receiving this notice, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.

In case there is a decrease in cost as a result of changes of Law by Legislation after the Base Date, the Engineer shall proceed in accordance with Sub Clause 3.5 (determination) to agree or determine these matters without waiting for Contractor's / Employer's Notice.

Notwithstanding the foregoing, the Contractor shall not be entitled to such an extension of time if the same shall already have been taken into account in determining an extension and such Cost shall not be separately paid if the same shall already have been taken into account in the indexing of any inputs to the table of adjustment data in accordance with the provisions of Sub-Clause 13.8.

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13.8Adjustment for changes in cost.

Price Variation Clause (PVC):

13.8.1Applicability: Price Variation Clause (PVC) shall be applicable only in those contracts where tender conditions specifically permit it. Materials supplied free of cost by Railway to the Contractors and any extra NS item(s) included in subsequent variation falling outside the purview of the Schedule of Items of tender shall fall outside the purview of Price Variation Clause. If, in any case, accepted offer includes some specific payment to be made to consultants or some materials supplied by Railway free or at fixed rate, such payments shall be excluded from the gross value of the work for the purpose of payment/recovery of price variation.

13.8.2Base Month: The Base Month for 'Price Variation Clause' shall be taken as month 28 days prior to opening of tender including extensions, if any, unless otherwise stated elsewhere. The quarter for applicability of PVC shall commence from the month following Base month. The Price Variation shall be based on the average Price Index of the quarter under consideration.

13.8.3Validity: Rates accepted by Railway Administration shall hold good till completion of work and no additional individual claim shall be admissible except:

(a) Payment/recovery for increase/decrease in GST on works contract or imposition/removal of any tax/cess on Works Contract as per Clause 37,

(b) Payment/recovery for overall market situation as per Price Variation Clause given hereunder.

13.8.4 Adjustment for variation in prices of material, labour, fuel, explosives, detonators,

steel, concreting, ferrous, non-ferrous, insulators, zinc and cement shall be determined in the manner prescribed.

13.8.5 Components of various items in a contract on which variation in prices be admissible, shall be Material, Labour, Fuel, Explosives & Detonators, Steel, Cement, Concreting, Ferrous, Non-ferrous, Insulator, Zinc, Erection etc. However, for fixed components, no price variation shall be admissible.

13.8.6 The percentages of labour component, material component, fuel component etc. in various types of Engineering contracts shall be as under:

S. No.	Component	E/Work & Minor Bridges Contracts, Ballast Supply Contracts, Tunneling Contracts (without explosive)	Tunneling Contracts (with explosives)	Major and Important Bridges Contracts	Building Contracts	Permanent Way linking Contracts (Manual)	Other Works Contracts
1	Labour Component	20	20	20	40	50	20
2	Other Material Components	10	15	30	35	5	20
3	Plant Machinery & Spares	30	15	20	5	15	30
4	Fuel & Lubricants Component	25	15	15	5	15	15
5	Fixed Component*	15	15	15	15	15	15
6	Detonators & Explosive Component	-	20	-	-	-	-

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* It shall not be considered for any price variation.

13.8.7 Formulae: The Amount of variation in prices in several components (labour, material etc.) shall be worked out by the following formulae:

(i) $$L = W \times (LQ - LB) \times \frac{LC}{LB} \quad \frac{}{100}$$

(ii) $M = W \times \frac{(MQ - MB)}{MB} \times \frac{MC}{100}$

(iii) $F = W \times \frac{(FQ - FB)}{FB} \times \frac{FC}{100}$

(iv) $E = W \times \frac{(EQ - EB)}{EB} \times \frac{EC}{100}$

(v) $PM = W \times \frac{(PMQ-PMB)}{PMB} \times \frac{PMC}{100}$

(vi) $S = SW \times \frac{(SQ - SB)}{SB}$

(vii) $C = CV \times (CQ - CB) / CB$

For Railway Electrification Works:

(viii) $T = [(CS - CO) / CO \times 0.4136] \times TC$

(ix) $R = [(RT - RO) / RO + (ZT - ZO) / ZO \times 0.06] \times RC$

(x) $N = [(PT - PO) / PO] \times NC$

(xi) $Z = [(ZT - ZO) / ZO] \times ZC$

(xii) $I = [(IT – IO) / IT] \times 85$

Where,

L Amount of price variation in Labour

M Amount of price variation in Materials

F Amount of price variation in Fuel

E Amount of price variation in Explosives

PM Amount of price variation in Manufacture of machinery for mining, Quarrying and Construction

S Amount of price variation in Steel

C Amount of price variation in Cement

T Amount of price variation in Concreting

R Amount of price variation in Ferrous Items

N Amount of price variation in Non-Ferrous Items

Z Amount of price variation in Zinc

I Amount of price variation in Insulator

Lc % of Labour Component

Mc % of Material Component

Fc % of Fuel Component

Ec % of Explosive Component

PMc % of Manufacture of machinery for mining, Quarrying and Construction Component

Tc % of Concreting Component

Rc % of Ferrous Component

Nc % of Non-Ferrous Component

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Zc % of Zinc Component

W Gross value of work done by Contractor as per on-account bill(s) excluding cost of materials supplied by Railway at fixed price, minus the price values of cement and steel. This will also exclude specific payment, if any, to be made to the consultants engaged by Contractors (such payment shall be indicated in the Contractor's offer)

LB Consumer Price Index for Industrial Workers - All India: Published in R.B.I. Bulletin for the base period

LQ Consumer Price Index for Industrial Workers - All India: Published in R.B.I. Bulletin for the average price index of the 3 months of the quarter under consideration

MB Wholesale Price Index: All commodities – as published in the R.B.I. Bulletin for the base period

MQ Wholesale Price Index: All commodities – as published in the R.B.I. Bulletin for the average price index of the 3 months of the quarter under consideration

FB Wholesale Price Index for the group Fuel & Power as published in the R.B.I. Bulletin for the base period

FQ Index Number of Wholesale Price Index – By Groups and Sub-Groups for the group Fuel & Power as published in the R.B.I. Bulletin for the average price index of the 3 months of the quarter under consideration

EB Index number of Monthly Whole Sale Price Index for the category 'Explosive' of (g).Manufacture of other chemical products under (J) MANUFACTURE OF CHEMICALS AND CHEMICAL PRODUCTS, published by Office of Economic Adviser, Govt. of India, Ministry of Commerce & Industry, Department of Industrial Policy & Promotion (DIPP), for the base period.

EQ Index number of Monthly Whole Sale Price Index for the category 'Explosive' of (g).Manufacture of other chemical products under (J) MANUFACTURE OF CHEMICALS AND CHEMICAL PRODUCTS, published by Office of Economic Adviser, Govt. of India, Govt. of India, Ministry of Commerce & Industry, Department of Industrial Policy & Promotion (DIPP), for the average price index of 3 months of the quarter under consideration.

PMB Index number of Monthly Whole Sale Price Index for the category 'k. Manufacture of machinery for mining, quarrying and construction' under (R) MANUFACTURE OF MACHINERY AND EQUIPMENT, published by Office of Economic Adviser, Govt. of India, Ministry of Commerce & Industry, Department of Industrial Policy & Promotion (DIPP), for the base period.

PMQ Index number of Monthly Whole Sale Price Index for the category 'k. Manufacture of machinery for mining, quarrying and construction' under (R) MANUFACTURE OF MACHINERY AND EQUIPMENT, published by Office of Economic Adviser, Govt. of India, Ministry of Commerce & Industry, Department of Industrial Policy & Promotion (DIPP), for the average price index of 3 months of the quarter under consideration.

SW Gross value of steel supplied by the Contractor as per the 'on-account' bill for the month under consideration

SB Index number of Monthly Whole Sale Price Index for the relevant category of mild steel item as mentioned in Clause 13.8.9, published by Office of Economic Adviser, Govt. of India, Ministry of Commerce & Industry Department of Industrial Policy & Promotion (DIPP); for the base period.

SQ Index number of Monthly Whole Sale Price Index for the relevant category of mild steel item as mentioned in Clause 13.8.9, published by Office of Economic Adviser, Govt. of India, Ministry of Commerce & Industry Department of Industrial Policy & Promotion (DIPP); for the average price index of the 3 months of the quarter under consideration.

CV Value of Cement supplied by Contractor as per on account bill in the quarter under consideration

CB Index No. of Wholesale Price Index of sub-group Cement, Lime & Plaster as published in RBI Bulletin for the base period

CQ No. of Wholesale Price Index of sub-group Cement, Lime & Plaster as published in RBI Bulletin for the average price index of the 3 months of the quarter under consideration

CS RBI wholesale price index for Cement, Lime & Plaster for the month which is six months prior to date of casting of foundation

Co RBI wholesale price index for Cement, Lime & Plaster for the month which is one month prior to date of opening of tender

RT IEEMA price index for Iron & Steel for the month which is two months prior to date of inspection of material.

RO IEEMA price index for Iron & Steel for the month which is one month prior to date of opening of tender.

PT IEEMA price index for Copper wire bar for the month which is two months prior to date of inspection of material.

PO IEEMA price index for Copper wire bar for the month which is one month prior to date of opening of tender.

ZT IEEMA price index for Zinc for the month which is two months prior to date of inspection of material

ZO IEEMA price index for Zinc for the month which is one month prior to date of opening of tender

IT RBI wholesale price index for the sub-group "other Portland and Ceramic product" for the month which is two months prior to date of inspection of material

IO RBI wholesale price index for the sub-group "other Portland and Ceramic product" for the month which is one month prior to date of opening of tender

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13.8.8 The demands for escalation of cost shall be allowed on the basis of provisional indices as mentioned above in Clause 13.8.7. Any adjustment needed to be done based on the finally published indices shall be made as and when they become available.

13.8.9: Relevant categories of steel for the purpose of operating Price Variation formula as mentioned in this Clause shall be as under:

SL	Category of Steel Supplied in Railway Work	Category of Steel Items as mentioned in Office of Economic Adviser, Govt. of India, Ministry of Commerce & Industry Department of Industrial Policy & Promotion (DIPP).
1.	Reinforcement bars and other rounds	'MS Bright Bars' individual commodity of group item (d) Mild Steel-Long Products under (N) MANUFACTURE OF BASIC METAL.
2.	All types and sizes of angles, channels and joists	'Angles, Channels, Sections, Steel' individual commodity of group item (d) Mild Steel-Long Products under (N) MANUFACTURE OF

		BASIC METAL.
3.	All types and sizes of plates	'e. Mild Steel – Flat Products' of (N) MANUFACTURER OF BASIC METAL
4	Any other section of steel not covered in the above categories and excluding HTS	Average of price for the 3 categories covered under SL 1, 2 & 3 above

13.8.10 Price Variation during Extended Period of Contract

The price adjustment as worked out above, i.e. either increase or decrease shall be applicable upto the stipulated date of completion of work including the extended period of completion where such extension has been granted under Clause 8.4 of the Standard General Conditions of Contract. However, where extension of time has been granted due to Contractor's failure under Clause 8.7 of the Standard General Conditions of Contract, price adjustment shall be done as follows:

a. In case the indices increase above the indices applicable to the last month of original completion period or the extended period under Clause 8.4, the price adjustment for the period of extension granted under Clause 8.7 shall be limited to the amount payable as per the Indices applicable to the last month of the original completion period or the extended period under Clause 8.4 of the Standard General Conditions of Contract; as the case may be.

b. In case the indices fall below the indices applicable to the last month of original/extended period of completion under Clause 8.4, as the case may be; then the lower indices shall be adopted for the price adjustment for the period of extension under Clause 8.7 of the Standard General Conditions of Contract.

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14 The Contract Price

14.1 The Contract Price

Unless otherwise stated in the Special Conditions of Contract:

(a) the Contract Price shall be agreed or determined under Sub-Clause 12.3 [Evaluation] and be subject to adjustments in accordance with the Contract;

(b) the Contractor shall pay all taxes, duties and fees required to be paid by him under the Contract, and the Contract Price shall not be adjusted for any of these costs except as stated in Sub-Clause 13.7 [Adjustments for Changes in Legislation];

(c) any quantities which may be set out in the Bill of Quantities or other Schedule are estimated quantities and are not to be taken as the actual and final quantities:

  (i) of the Works which the Contractor is required to execute, or

  (ii) for the purposes of Clause 12 [Measurement and Evaluation]; and

(d) the Contractor shall submit to the Engineer, within 28 days after the Commencement Date, a proposed breakdown of each lump sum price in the Schedules, if applicable. The Engineer may take account of the breakdown when preparing Payment Certificates, but shall not be bound by it.

(e) It may be noted that in the event of the Contractor not making the due payments stated in sub-clause (b) above, and the concerned party puts up a claim with the Employer / Engineer, then the Employer / Engineer may make such payments and deduct the same from the sums due to the Contractor.

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14.2 Advance Payment

14.2.1 Mobilization Advance

The Employer shall make payment, as an Interest bearing advance for mobilization, when the Contractor submits a guarantee in accordance with this Sub-Clause. The total advance payment, the number and timing of instalments (if more than one), and the applicable currencies and proportions, shall be as stated in the Contract Data.

Unless and until the Employer receives this guarantee, or if the total advance payment is not stated in the Contract Data, this Sub-Clause shall not apply.

The Engineer shall issue an interim payment certificate for the first installment of mobilisation advance after receiving an application for advance payment(under sub clause 14.3 [Application for Interim Payment Certificates]) and after the Employer receives (i) the Performance Security in accordance with Sub-Clause 4.2 [Performance Security] and (ii) a guarantee in amounts and currencies equal to the advance payment plus 10%. The next installment shall be released only when the contractor submits statement of having utilized the previous installment of mobilization advance and the Employer is satisfied that the utilization has been done in purposeful manner.

14.2.2 Advance against Plant and Machinery

Interest bearing advance against plant and machinery, is payable for procurement of

plant, equipment and machinery to be utilized specifically for the subject works, provided the same have reached the site along with purchase order and the invoices against a guarantee in amounts and currencies equal to the advance payment plus 10%. The total advance payment under this sub-clause, including the applicable currencies and proportions, shall be as stated in the Contract Data.

All such plant, equipment and machinery shall be used only for executing the works under this Contract. No such plant, equipment and machinery shall be removed from the site, unless advance equivalent to the advance against such machinery has been fully repaid and prior permission of the Engineer has been obtained.

The Engineer shall decide whether a particular plant, equipment or machinery is actually required to execute the work. No advance is payable against items identified as unnecessary. The plant and machinery admissible for advance payment and its valuation shall be done by the Engineer on following considerations;

(i) New items : 80% of purchase price

(ii) Used or Second hand items : Not to be considered

(iii) New Items valued at less than Rs. 10,00,000 each : Not to be considered.

14.2.3 Guarantees

Advances as mentioned in sub-clauses 14.2.1 & 14.2.2 above, shall be payable against acceptable Bank Guarantees from banks as specified in clause 4.2. The guarantees shall be in the form as given in Section 8 (Contract Forms) or in another form approved by the Employer. The Contractor shall ensure that the guarantees are valid and enforceable until the advance amount paid as has been repaid, but its amount may be progressively reduced by the amount repaid by theContractor as indicated in the Payment Certificates. If the terms of the guarantee specify its expiry date, and the advance payment has not been repaid by the date 28 days prior to the expiry date, the Contractor shall extend the validity of the guarantee until the advance payment has been repaid.

14.2.4 Recovery of Advances

Unless stated otherwise in the Contract Data, the advance payment shall be repaid through percentage deductions from the interim payments determined by the Engineer in accordance with Sub-Clause 14.6 [Issue of Interim Payment Certificates], as follows:

(a) deductions shall commence in the next interim Payment Certificate following that in which the total of all certified interim payments (excluding the advance payment) exceeds 5 percent of the Accepted Contract Amount less Provisional Sums or passage of six months from the date of release of first advance payment, whichever is earlier; and

(b) deductions shall be made for accrued interest on the advance up to the month and advance at the rate stated in the Contract Data of the amount of each Interim Payment Certificate (excluding the advance payment and deductions and repayments of retention) in the currencies and proportions of the advance payment until such time as the advance payment and accrued interest has been repaid; provided that the advance payment and accrued interest shall be completely repaid prior to the time when 80 percent of the Accepted Contract Amount has been certified for payment. If the amount of interim payment certificate is not sufficient

for recovery of accrued interest or in the opinion of the Employer satisfactory progress is not being achieved by the contractor, then the contractor will have to deposit the accrued interest and return the mobilisation advance in part or in full as demanded by the Employer, failing which Employer shall have the right to encash the Bank Guarantee(s)

The contractor shall always have the option to start repayment earlier and/or to complete the repayment earlier than the due date.

If the advance payment has not been repaid prior to the issue of the Taking-Over Certificate for the Works or prior to termination under Clause 15 [Termination by Employer], Clause 16 [Suspension and Termination by Contractor] or Clause 19 [Force Majeure] (as the case may be), the whole of the balance then outstanding shall immediately become due and payable by the Contractor to the Employer.

14.2.5 Advances to be Used only for this Work

The advances shall be used by the Contractor strictly for the purpose of the Contract, and for the purpose for which they are paid. Under no circumstances, shall the advances be diverted for other purposes. Any such diversion shall be construed as a breach of the Contract and the Contractor shall be asked to return the advance at once and pay interest at 15% per annum till the advance is recovered back from him. The Contractor shall return the advance and pay the interest in one go without demur.

Employer retains the right for any other remedy prescribed for breach of Contract in this regard.

The Contractor, if required by the Engineer shall provide the details of utilisation of Mobilisation advance.

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14.3 Application for Interim Payment Certificates

The Contractor shall submit a Statement in six copies to the Engineer in accordance with the payment procedure specified by the Engineer, after the end of each month, in a form approved by the Engineer, showing in detail the amounts to which the Contractor considers himself to be entitled, together with supporting documents which shall include the report on the progress during this month in accordance with Sub-Clause 4.21 [Progress Reports] and Record Measurement Sheets.

The Statement shall include the following items, as applicable, which shall be expressed in the various currencies in which the Contract Price is payable, in the sequence listed:

(a) the estimated contract value of the Works executed and the Contractor's Documents produced up to the end of the month (including Variations but excluding items described in sub-paragraphs (b) to (g) below);

(b) any amounts to be added and deducted for changes in legislation and changes in cost, in accordance with Sub-Clause 13.7 [Adjustments for Changes in Legislation] and Sub-Clause 13.8 [Adjustments for Changes in Cost];

(c) any amount to be deducted for retention, calculated by applying the percentage of retention stated in the Contract Data to the total of the above amounts, until the amount so retained by the Employer reaches the limit of Retention Money (if any) stated in the Contract Data;

(d) Any amounts to be added and deducted for the advance payments and repayments

in accordance with sub clause 14.2 [Advance Payment];

(e) any amounts to be added and deducted for Plant and Materials in accordance with Sub-Clause 14.5 [Plant and Materials intended for the Works];

(f) any other additions or deductions which may have become due under the Contract or otherwise, including those under Clause 20 [Claims, Disputes and Arbitration]; and

(g) the deduction of amounts certified in all previous Payment Certificates.

(h) for invoicing as per GST Laws, the estimated contract value of the Works executed in terms of (a) above and any amounts added or deducted as per (b), (e) to (g) above is to be broken up in two components i.e. (i) the base amount excluding GST (ii) GST component (calculated at the rate for works contract service as per GST Laws).

(i) Statement of interim payments certificates should be submitted by the Contractor to the Engineer by the 7th day of each month for the work executed upto the end of the previous month.

(j) An amount to be deducted for the payments to be made to different Departments towards payments liable to be made by the Contractor.

14.4 Schedule of Payments

If the Contract includes a schedule of payments specifying the instalments in which the Contract Price will be paid, then unless otherwise stated in this schedule:

(a) the instalments quoted in this schedule of payments shall be the estimated contract values for the purposes of sub-paragraph (a) of Sub-Clause 14.3 [Application for Interim Payment Certificates];

(b) Sub-Clause 14.5 [Plant and Materials intended for the Works] shall not apply; and

(c) if these instalments are not defined by reference to the actual progress achieved in executing the Works, and if actual progress is found to be less than that on which this schedule of payments was based, then the Engineer may proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine revised instalments, which shall take account of the extent to which progress is less than that on which the instalments were previously based.

If the Contract does not include a schedule of payments, the Contractor shall submit non-binding estimates of the payments which he expects to become due during each quarterly period. The first estimate shall be submitted within 42 days after the Commencement Date. Revised estimates shall be submitted at quarterly intervals, until the Taking-Over Certificate has been issued for the Works.

14.5 Plant and Materials intended for the Works

If this Sub-Clause applies, Interim Payment Certificates shall include, under sub-paragraph (e) of Sub-Clause 14.3:

(k) an amount for Plant and Materials which have been sent to the Site for incorporation in the Permanent Works, and

(ii) a reduction when the contract value of such Plant and Materials is included as part of the Permanent Works under sub-paragraph (a) of Sub-Clause 14.3 [Application for Interim Payment Certificates].

If the lists referred to in sub-paragraphs (b)(i) or (c)(i) below are not included in the Contract Data, this Sub-Clause shall not apply.

The Engineer shall determine and certify each addition if the following conditions are satisfied:

(a) the Contractor has:

(i) kept satisfactory records (including the orders, receipts, Costs and use of Plant and Materials) which are available for inspection, and

(ii) submitted a statement of the Cost of acquiring and delivering the Plant and Materials to the Site, supported by satisfactory evidence;

and either:

(b) the relevant Plant and Materials:

(i) are those listed in the Schedules for payment when shipped,

(ii) have been shipped to the Country, en route to the Site, in accordance with the Contract; and

(iii) are described in a clean shipped bill of lading or other evidence of shipment, which has been submitted to the Engineer together with evidence of payment of freight and insurance, any other documents reasonably required, and a bank guarantee in a form and issued by an entity approved by the Employer in amounts and currencies equal to the amount due under this Sub-Clause: this guarantee may be in a similar form to the form referred to in Sub-Clause 14.2 [Advance Payment] and shall be valid until the Plant and Materials are properly stored on Site and protected against loss, damage or deterioration;

or

(c) the relevant Plant and Materials:

(i) are those listed in the Schedules for payment when delivered to the Site,

(ii) the original 'Invoice' and the original 'Inspection Certificate' by the approved Inspection agency marked 'for payment' is furnished with the Application for IPC [sub-Clause 14.3].

(iii) have been delivered to and are properly stored on the Site, are protected against loss, damage or deterioration, and appear to be in accordance with the Contract.

The additional amount to be certified shall be the equivalent of eighty percent of the Engineer's determination of the cost of the Plant and Materials (including delivery to Site), taking account of the documents mentioned in this Sub-Clause and of the contract value of the Plant and Materials. The amount shall be certified on receipt of an Indemnity Bond for the stated amount in the Form approved by the Employer.

The currencies for this additional amount shall be the same as those in which payment will become due when the contract value is included under

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sub-paragraph (a) of Sub-Clause 14.3 [Application for Interim Payment Certificates]. At that time, the Payment Certificate shall include the applicable reduction which shall be equivalent to, and in the same currencies and proportions as, this additional amount for the relevant Plant and Materials.

14.6 Issue of Interim Payment Certificates

No amount will be certified or paid until the employer has received and approved the performance security. Thereafter, the Engineer shall within two days after receiving a statement and supporting documents (including Contractor's certificate in terms of Sub-Clause 6.22 (ii)), issue to the Employer a provisional interim payment certificate which shall state the amount which the Engineer determines to be due after preliminary check as per K RIDE's procedure order. After this the Engineer shall, within 28 days after receiving a statement and supporting documents, issue to the employer an Interim Payment Certificate which shall state the amount which the Engineer fairly determines to be due, with supporting particulars.

However, prior to issuing the Taking-Over Certificate for the Works, the Engineer shall not be bound to issue the Interim Payment Certificate in an amount which would (after retention and other deductions) be less than the minimum amount of Interim Payment Certificates (if any) stated in the Contract Data. In this event, the Engineer shall give notice to the Contractor accordingly.

An Interim Payment Certificate shall not be withheld for any other reason, although:

(a) if anything supplied or work done by the Contractor is not in accordance with the Contract, the cost of rectification or replacement may be withheld until rectification or replacement has been completed; and/or

(b) if the Contractor was or is failing to perform any work or obligation in accordance with the Contract, and had been so notified by the Engineer, the value of this work or obligation may be withheld until the work or obligation has been performed.

The Engineer may in any Payment Certificate make any correction or modification that should properly be made to any previous Payment Certificate. A Payment Certificate shall not be deemed to indicate the Engineer's acceptance, approval, consent or satisfaction.

14.7 Payment

The Employer shall pay to the Contractor:

(a) the first instalment of the advance payment within 42 days after issuing the Letter of Acceptance or within 21 days after receiving the documents in accordance with Sub-Clause 4.2 [Performance Security] and Sub-Clause 14.2 [Advance Payment], whichever is later;

(b) (i) After preliminary scrutiny and certifications by the Engineer, payment of 70% of the certified net payment due (after recoveries and deductions), shall be made by the Employer within 10 days of receiving a statement and supporting documents by the Engineer subject to the condition that last interim payment certificate has been settled after detailed check. In the event of the contractor submitting bills based on false measurements, Project Director should issue a written warning to him to the effect that the facility of 70% payment without detailed check will be withdrawn in future. If the contractor repeats the misconduct this facility should be withdrawn.

(iii) The amount certified in each Interim Payment Certificate within 56 days after the Engineer receives the Statement and supporting documents. Any discrepancy shall be rectified in the next payment to the Contractor; and

(c) the amount certified in the Final Payment Certificate within 56 days after the Employer receives this Payment Certificate or, the undisputed amount shown in the Final Statement, within 56 days after the date of notification of the suspension in accordance with Sub-Clause 16.2.

Payment of the amount due, unless specified in the Contract Data, shall be made in INR into the bank account, nominated by the Contractor except for the Contract where the Contractor has opted for payment through Letter of Credit (LC) arrangement. In such a case, the procedure for payment shall be as prescribed in clause 14.7.1 below.

(d) the amount certified in the Final Payment Certificate within 56 days after the Employer receives this Payment Certificate or, the undisputed amount shown in the Final Statement, within 56 days after the date of notification of the suspension in accordance with Sub-Clause 16.2.

Payment of the amount due, unless specified in the Contract Data, shall be made in INR into the bank account, nominated by the Contractor except for the Contract where the Contractor has opted for payment through Letter of Credit (LC) arrangement. In such a case, the procedure for payment shall be as prescribed in clause 14.7.1 below.

However, in case of JV, direct payment to individual JV partners shall be made on joint certification (about the net amounts payable to individual partners) by the authorized representative of the JV and concerned respective authorized representative of individual JV partners, after making requisite recoveries/deductions from the gross payment. In case of any dispute regarding the net amounts payable to individual partners, the Engineer shall decide the same on the basis of the execution of items of works under Schedules/Bills indicated in the JV agreement as the responsibility of execution of each JV partner. Payment to individual JV partners shall be treated as payment made to the JV. The said payment shall not alter any obligation of the JV and its individual Partners under the Agreement and their obligations under the agreement shall remain joint and several.

A foreign company (either single entity or JV partner), shall have to submit proof of having opened their project office in India before any payment (including advance payment) is released to such a company. The required proof here shall be a copy of the report containing information as per format prescribed by Reserve Bank of India submitted to the Director General of Police (DGP) of the state concerned in which project office has been established.

14.7.1Procedure for payment through LC:

(i) The LC shall be a sight LC.

(ii) The contractor shall select his Advising/Negotiating bank for LC. The incidental cost towards issue of LC and its operation thereof shall be borne by the

contractor.

(iii) The Employer's Bank and its nodal branch for issue of LCs based on requests received from Employer Accounts Units shall be as indicated in the Contract Data. The Branch office of the Employer's Bank, where the Employer Accounts Office has its Account, as indicated in the Contract Data, will be the issuance/reimbursing branch for LC issued under this arrangement. The Bank shall remain same for this tender till completion of contract. The present incidental cost @ 0.15% per annum of LC value or any increase/decrease by the banks for issue of LC and operation thereof shall be borne by the contractor and shall be recovered from his Interim Payment Certificates.

(iv) The LC shall be opened initially for duration of 180 to 365 days in consultation with contractor. The LC shall be extended time to time as per the progress of the contract, on the request of the contractor. The value of LC to be opened initially as well as extended thereafter shall be finalized by the engineer in consultation with the contractor on the basis of expected progress of work.

(v) The LC terms and conditions shall inter-alia indemnify and save harmless the Employer from and against all losses, claims and demands of every nature and description brought or recovered against the Employer by reason of any act or omission of the contractor, his agents or employees, in relation to the Letter of Credit (LC). All sums payable/borne by Employer on this account shall be considered as reasonable compensation and paid by contractor.

(vi) The LC terms and conditions shall inter-alia provide that Employer will issue a Document of Authorisation (in the format decided in consultation with the Employer's Bank) after passing the Interim Payment Certificate for completed work, to enable contractor to claim the authorized amount from their bank.

(vii) The acceptable, agreed upon document for payments to be released under the LC shall be the Document of Authorisation.

(viii) The Document of Authorisation shall be issued by Employer Accounts Office against each Interim Payment Certificate passed by Employers.

(ix) On issuance of document of Authorisation, a copy of Document of Authorization shall be sent to the contractor. A copy of Document of Authorisation shall also be

sent by Employer Accounts Office to Employer's bank.

(x) On receipt of Document of Authorization, the contractor shall present his claim to his bank (advising Bank) for necessary payments as per LC terms and conditions. The claim shall comprise of copy of Document of Authorization, Bill of Exchange and Payment Certificate.

(xi) The payment against LC shall be subject to verification from Employer's Bank .

(xii) The contractor's bank (advising bank) shall submit the documents to the Employer's Bank .

(xiii) The Employer's bank (Issuing Bank) shall, after verifying the claim so received w.r.t. the Document of Authorisation received from Employer Accounts Office release the payment to contractor's bank (advising bank) for crediting the same to contractor's account.

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(xiv) Any number of Interim Payment Certificates can be dealt within one LC, provided the sum total of payments to contractor is within the amount for which LC has been opened.

(xv) The LC shall be closed after the release of Final Payment certificate including PVC amount, if any, to the contractor.

(xvi) In case of JV, LC shall be opened in the name of JV and option of direct payment to individual JV partners through LC shall not be permissible.

14.8 Delayed Payment

If the Contractor does not receive payment in accordance with Sub-Clause 14.7 [Payment], the Contractor shall be entitled to receive interest compounded monthly on the amount unpaid during the period of delay. This period shall be deemed to commence on the date for payment specified in Sub-Clause 14.7 [Payment], irrespective (in the case of its sub-paragraph (b)) of the date on which any Interim Payment Certificate is issued.

Unless otherwise stated in the Special Conditions of Contract, the interest amount be calculated at the annual rate of seven percent.

The Contractor shall be entitled to this payment without formal notice or certification, and without prejudice to any other right or remedy.

14.9 Payment of Retention Money

The Retention Money shall be certified and paid with the final payment certificate or bank guarantee against retention money shall be released, after making required adjustments for recovery for shortage/excess materials, if any (except those quantities which become surplus due to change in planning/scheme by K RIDE in case the recovery for surplus/excess materials is still balance after adjusting the amount payable in the final payment certificate.

The contractor shall be entitled to substitute a bank guarantee in the form approved by the Employer with the retention money amount recovered upto the date of request. Such substitution shall be permissible maximum upto 3 times. The Bank Guarantee shall be valid upto end of Defect Liability Period. In case of extension of date of completion of contract, the Contractor shall extend the validity of the Bank Guarantee(s) until the revised end of Defect Liability Period.

Wherever the contract is terminated under Clause 15.2, the Retention Money shall be forfeited and the balance work should be got done separately.

14.10 Statement at Completion

Within 84 days after receiving the Taking-Over Certificate for the Works, the Contractor shall submit to the Engineer six copies of a Statement at completion with supporting documents, in accordance with Sub-Clause 14.3 [Application for Interim Payment Certificates], showing:

(a) the value of all work done in accordance with the Contract up to the date stated in the Taking-Over Certificate for the Works,

(b) any further sums which the Contractor considers to be due, and

(c) an estimate of any other amounts which the Contractor considers will become due to him under the Contract. Estimated amounts shall be shown separately in this Statement at completion.

The Engineer shall then certify in accordance with Sub-Clause 14.6 [Issue of Interim Payment Certificates].

Within 56 days after receiving the Performance Certificate, the Contractor shall submit, to the Engineer, six copies of a draft final statement as per procedure prescribed by the Engineer, with supporting documents showing in detail in a form approved by the Engineer:

14.11 Application for Final Payment Certificate

Within 56 days after receiving the Performance Certificate, the Contractor shall submit, to the Engineer, six copies of a draft final statement as per procedure prescribed by the Engineer, with supporting documents (including Contractor's certificate in terms of Sub-Clause 6.22 (ii)) showing in detail in a form approved by the Engineer:

(a) the value of all work done in accordance with the Contract, and

(b) any further sums which the Contractor considers to be due to him under the

Contract or otherwise.

If the Engineer disagrees with or cannot verify any part of the draft final statement, as per procedure prescribed by the Engineer the Contractor shall submit such further information as the Engineer may reasonably require and shall make such changes in the draft as may be agreed between them. The Contractor shall then prepare and submit to the Engineer the final statement as agreed. This agreed statement is referred to in these Conditions as the "Final Statement".

However if, following discussions between the Engineer and the Contractor and any changes to the draft final statement which are agreed, it becomes evident that a dispute exists, the Engineer shall deliver to the Employer (with a copy to the Contractor) an Interim Payment Certificate for the agreed parts of the draft final statement. Thereafter, if the dispute is finally resolved under Sub-Clause 20.3 [Obtaining Dispute Board's Decision] or Sub-Clause 20.2 [Amicable Settlement], the Contractor shall then prepare and submit to the Employer (with a copy to the Engineer) a Final Statement.

14.12 Discharge

When submitting the Final Statement, the Contractor shall submit a discharge which confirms that the total of the Final Statement represents full and final settlement of all moneys due to the Contractor under or in connection with the Contract. This discharge may state that it becomes effective when the Contractor has received the Performance Security and the outstanding balance of this total, in which event the discharge shall be effective on such date.

14.13 Issue of Final Payment Certificate

Within 28 days after receiving the Final Statement and discharge in accordance with Sub-Clause 14.11 [Application for Final Payment Certificate] and Sub-Clause 14.12 [Discharge], the Engineer shall issue, to the Employer, the Final Payment Certificate which shall state:

(a) the amount which he fairly determines is finally due, and

(b) after giving credit to the Employer for all amounts previously paid by the Employer and for all sums to which the Employer is entitled, the balance (if any) due from the Employer to the Contractor or from the Contractor to the Employer, as the case may be.

If the Contractor has not applied for a Final Payment Certificate in accordance with Sub-Clause 14.11 [Application for Final Payment Certificate] and Sub-Clause 14.12 [Discharge], the Engineer shall request the Contractor to do so. If the Contractor fails to submit an application within a period of 28 days, the Engineer shall issue the Final Payment Certificate for such amount as he fairly determines to be due.

14.14 Cessation of Employer's Liability

The Employer shall not be liable to the Contractor for any matter or thing under or in connection with the Contract or execution of the Works, except to the extent that the Contractor shall have included an amount expressly for it:

(a) in the Final Statement and also

(b) (except for matters or things arising after the issue of the Taking-Over Certificate for the Works) in the Statement at completion described in Sub-Clause 14.10 [Statement at Completion].

However, this Sub-Clause shall not limit the Employer's liability under his indemnification obligations, or the Employer's liability in any case of fraud, deliberate default or reckless misconduct by the Employer.

14.15 Currencies of Payment

The Contract Price shall be paid in Indian Rupees (INR).

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15	Termination by Employer

15.1 Notice to Correct

If the Contractor fails to carry out any obligation under the Contract as mentioned below, but not limited to, the Engineer/ Employer may serve the contractor with a 14 days notice in writing calling upon the contractor to make good the failure and to remedy it. If the contractor;

(a) fails to comply with Sub-Clause 4.2 [Performance Security],

(b) abandons the Works or otherwise plainly demonstrates the intention not to continue performance of his obligations under the Contract,

(c) without reasonable excuse fails to:

(i) proceed with the Works in accordance with Clause 8 [Commencement, Delays and Suspension], or

(ii) comply with a notice issued under Sub-Clause 7.5 [Rejection] or Sub-Clause 7.6 [Remedial Work], within 28 days after receiving it, or

(iii) adhere to the agreed programme of work / activity on the critical path, by a margin of 10% of the stipulated period, or

(iv) take steps to deploy competent and adequate number of personnel, and equipment to achieve progress as per agreed programme or

(v) adhere to the instructions of Engineers/Employer persistently or

(vi) comply any provision of the contract or

(vii) provide the Engineer/Employer or their representative proper facilities for inspecting the works or any part thereof as required, under Clause 7.3 (Inspection) and 7.4 (Testing).

(d) subcontracts the whole or major part of the Works or assigns the Contract without prior written consent of the Employer.,

If the contractor does not, within 14 days of receipt of notice under this sub-clause, proceed to make good his default in so far as the same is capable of being made good and carry on the work of complying with such direction as contained in the notice under sub clause 15.1, to the entire satisfaction of the Engineer/Employer, the Employer shall be entitled to take action under sub-clause 15.1.1 or 15.1.2 or 15.2 below.

15.1.1

In case of contractor's repeated failure to adhere to the agreed program, and whereas the contractor has been served with a Notice to Correct under Clause 15.1 of GCC, if the contractor approaches K RIDE with a revised program with specific monthly physical and financial targets along with the proposal to deploy matching inputs in the form of manpower and other resources to the satisfaction of the Employer, then the Employer may consider whether to proceed with termination of

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the contract under Clause 15.2 of GCC or to continue with the contract. However, the request to continue with the contract shall only be considered if the contractor supports his earnestness to adhere to the revised program by submitting additional Performance Security in the form of Bank Guarantee(s) of specified number and value as decided by the Employer (total value of which will not exceed 10% of the contract price). The encashment of these additional Bank Guarantee(s) shall be linked with the non achievement of agreed physical/financial targets agreed upon by the Contractor and the Employer.

15.1.2

In case the contractor's failure is limited to only some of the works, and in response to Notice to Correct under Clause 15.1 of GCC, the contractor approaches the Employer that such works may be offloaded from him and got executed through another agency and additional cost incurred, if any, should be recovered from his dues, the Employer, on being convinced that the anticipated additional cost for such works will not be substantial and can be recovered from the dues of the contractor and that such offloading will help in improving the overall progress of the project, may agree to such offloading without any repercussion on the performance security and/or additional bank guarantees, if any, submitted by the contractor. However, the Employer will not be under any compulsion to agree to such a request. The Contractor shall be informed of the LOA issued to other agency(ies) for such works.

In case the contractor does not approach the employer for offloading but the Employer is convinced that:

(i) offloading of some works will help in improving the progress of the project;

(ii) termination/part termination of the contract at this stage will not be in the interest of the project;

(iii) the anticipated additional cost for such works will not be substantial and can be recovered from the dues of the contractor;

The Employer may issue 7 days notice to the Contractor stating the resources required to be deployed against each work. If the contractor fails to deploy the required resources as indicated in the notice, the employer shall offload such works and proceed with getting the works executed through other agency(ies). The Contractor shall be informed of the LOA issued to other agency(ies) for such works.

Offloading under the sub clause 15.1.2 shall be without any repercussion on the performance security and/or additional bank guarantees, if any, submitted by the contractor. The Contractor would have no future claim on this account and the extra expenditure so incurred, if any, by the Employer in getting the offloaded work done, shall be recovered from subsequent payment certificates or any other dues of the contractor.

15.2 Termination by Employer

The Employer shall be entitled to terminate the Contract as a whole or any part or parts (as may be specified in the Notice of Termination under any of the above Sub-Clause issue) if the Contractor:

(a) fails to comply with the directions contained in the notice under Sub-Clause 15.1 [Notice to Correct],

(b) becomes bankrupt or insolvent, goes into liquidation, has a receiving or administration order made against it by Court or Statutory Authority him, compounds with his creditors, or carries on business under a receiver, trustee or manager for the benefit of his creditors, or if any act is done or event occurs which (under applicable Laws) has a similar effect to any of these acts or events, or

(c) gives or offers to give (directly or indirectly) to any person any bribe, gift, gratuity, commission or other thing of value, as an inducement or reward:

(i) for doing or forbearing to do any action in relation to the Contract, or

(ii) for showing or forbearing to show favour or disfavour to any person in relation to the Contract,

or if any of the Contractor's Personnel, agents or Subcontractors gives or offers to give (directly or indirectly) to any person any such inducement or reward as is described in this sub-paragraph (c). However, lawful inducements and rewards to Contractor's Personnel shall not entitle termination

In any of these events or circumstances, the Employer may, by Notice Terminate the contract with immediate effect.

The Employer's election to terminate the Contract shall not prejudice any other rights of the Employer, under the Contract or otherwise.

The Contractor shall remove all his plants and machinery from the site then leave the Site and deliver any required Goods, all Contractors' Documents, and other design documents made by or for him, to the Engineer within 7 days from the issue of Notice of Termination, failing which Delay Damages as prescribed for delay in completion of works shall be imposed as per provision of clause 8.7. However, the Contractor shall use his best efforts to comply immediately with any reasonable instructions included in the notice of Termination (i) for the assignment of any subcontract, and (ii) for the protection of life or property or for the safety of the Works.

After termination, the Employer may complete the Works and/or arrange for any other entities to do so. The Employer and these entities may then use any Goods, Contractor's Documents and other design documents made by or on behalf of the Contractor for completing the work.

15.3 Valuation at Date of Termination

As soon as practicable after a notice of termination under Sub-Clause 15.2 [Termination by Employer] has taken effect, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine the value of the Works, Goods and Contractor's Documents, and any other sums due to the Contractor for work executed in accordance with the Contract. For this purpose, the contractor shall be notified the date for witnessing of measurements and handing over of the materials for which contractor has already been paid. In case the contractor fails to attend or send a representative even after such notice, the Engineer shall ex parte proceed with measurements of the works executed and taking over of plants and materials etc. for which payment has already been made to the contractor, which shall be treated as final.

15.4 Payment after Termination

After a notice of termination under Sub-Clause 15.2 [Termination by Employer] has taken effect, the Employer may:

(a) proceed in accordance with Sub-Clause 2.5 [Employer's Claims],

(b) encash the Performance Guarantee and forfeit the Performance

Security:

i) In full including additional Performance Guarantee amount if any taken in terms of sub clause 35.5 of ITB and not due for release on the date of issue of termination letter, in case of termination of the contract as a whole; Or

ii) in part/parts proportionate to the contract price of the bill/schedule to which the terminated part of work belongs i.e.

P = (A x B) ÷ C where,

P = Proportionate Bank Guarantee Amount

A = Contract Price of the particular bill/schedule to which the terminated part of work belongs

B = Performance Guarantee amount in terms of GCC sub clause 4.2

C = Total Contract Price

Plus additional Performance Guarantee amount if any taken in terms of sub clause 35.5 of ITB and not due for release on the date of issue of termination letter against that particular bill/Schedule to which the terminated part of the work belongs in case of termination in part/parts.

(c) release any payment due to the contractor for works executed prior to termination and evaluation under clause 15.3 (valuation at date of termination, however, if by this time the Contractor has failed to make a payment due to the Employer, the same will be deducted from the payment due and any balance remaining shall then be paid to the Contractor.)

15.5 Employer's Entitlement to Termination for Convenience

The Employer shall be entitled to terminate the Contract, at any time for the Employer's convenience, by giving notice of such termination to the Contractor. The termination shall take effect 28 days after the later of the dates on which the Contractor receives this notice or the Employer returns the Performance Security. The Employer shall not terminate the Contract under this Sub-Clause in order to execute the Works himself or to arrange for the Works to be executed by another contractor or to avoid a termination of the Contract by the Contractor under Clause 16.2 [Termination by Contractor].

After this termination, the Contractor shall proceed in accordance with Sub-Clause 16.3 [Cessation of Work and Removal of Contractor's Equipment] and shall be paid in accordance with Sub-Clause 19.1 [Payment and Release in case of Optional Termination].

15.6 Corrupt or Fraudulent Practices

If the Employer determines that the Contractor has engaged in corrupt, fraudulent, collusive or coercive practices, in competing for or in executing the Contract, then the

Employer may, after giving 14 days' notice to the Contractor, terminate the Contractor's employment under the Contract and expel him from the Site, and the provisions of Clause 15 shall apply as if such expulsion had been made under Sub-Clause 15.2.

For the purposes of this Sub-Clause:

(a) "corrupt practice" means the offering, giving, receiving of soliciting of anything of "value to influence the action of a public official in the procurement process or in the Contract execution.

(b) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of the Contract to the detriment of the Employer, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Employer of the benefits of free and open competition.

(c) *"collusive practice" means a scheme or arrangement between two or more bidders, with or without the knowledge of the Employer, designed to establish bid prices at artificial, noncompetitive levels.*

(d) *"coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract.*

16	Deleted

17	Risk and Responsibility

17.1 Indemnities

The Contractor shall indemnify and hold harmless the Employer, the Employer's Personnel, and their respective agents, against and from all claims, damages, losses and expenses (including legal fees and expenses) in respect of:

(a) bodily injury, sickness, disease or death, of any person including railway user whatsoever arising out of or in the course of or by reason of the Contractor's design (if any), the execution and completion of the Works and the remedying of any defects, unless attributable to any negligence, wilful act or breach of the Contract by the Employer, the Employer's Personnel, or any of their respective agents, and

(b) damage to or loss of any property, real or personal (other than the Works), to the extent that such damage or loss arises out of or in the course of or by reason of the Contractor's design (if any), the execution and completion of the Works and the remedying of any defects, unless and to the extent that any such damage or loss is attributable to any negligence, wilful act or breach of the Contract by the Employer,

the Employer's Personnel,, their respective agents, or anyone directly or indirectly employed by any of them.

The Employer shall indemnify and hold harmless the Contractor, the Contractor's Personnel, and their respective agents, against and from all claims, damages, losses and expenses (including legal fees and expenses) in respect of (1) bodily injury, sickness, disease or death, which is attributable to any negligence, wilful act or breach of the Contract by the Employer, the Employer's Personnel, or any of their respective agents, and (2) the matters for which liability may be excluded from insurance cover, as described in sub-paragraphs (d)(i), (ii) and (iii) of Sub-Clause 18.3 [Insurance Against Injury to Persons and Damage to Property].

17.2 Contractor's Care of the Works

The Contractor shall take full responsibility for the care of the Works and Goods from the Commencement Date until the Taking-Over Certificate is issued (or is deemed to be issued under Sub-Clause 10.1 [Taking Over of the Works and Sections]) for the Works, when responsibility for the care of the Works shall pass to the Employer. If a Taking-Over Certificate is issued (or is so deemed to be issued) for any Section or part of the Works, responsibility for the care of the Section or part shall then pass to the Employer.

After responsibility has accordingly passed to the Employer, the Contractor shall take responsibility for the care of any work which is outstanding on the date stated in a Taking-Over Certificate, until this outstanding work has been completed.

If any loss or damage happens to the Works, Goods or Contractor's Documents during the period when the Contractor is responsible for their care, from any cause not listed in Sub-Clause 17.3 [Employer's Risks], the Contractor shall rectify the loss or damage at the Contractor's risk and cost, so that the Works, Goods and Contractor's Documents conform with the Contract.

The Contractor shall be liable for any loss or damage caused by any actions performed by the Contractor after a Taking-Over Certificate has been issued. The Contractor shall also be liable for any loss or damage which occurs after a Taking-Over Certificate has been issued and which arose from a previous event for which the Contractor was liable.

17.3 Employer's Risks

The risks referred to in Sub-Clause 17.4 below, insofar as they directly affect the execution of the works in the Country, are:

(a) war, hostilities (whether war be declared or not), invasion, act of foreign enemies,

(b) rebellion, terrorism, sabotage by persons other than the Contractor's Personnel, revolution, insurrection, military or usurped power, or civil war, within the Country,

(c) riot, commotion or disorder within the Country by persons other than the Contractor's Personnel,

(d) munitions of war, explosive materials, ionising radiation or contamination by radio-activity, within the Country, except as may be attributable to the Contractor's use of such munitions, explosives, radiation or radio-activity,

(e) pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds,

(f) use or occupation by the Employer of any part of the Permanent Works, except as may be specified in the Contract,

(g) design of any part of the Works by the Employer's Personnel or by others for whom the Employer is responsible, and

(h) any operation of the forces of nature which is Unforeseeable or against which an experienced contractor could not reasonably have been expected to have taken adequate preventative precautions.

17.4 Consequences of Employer's Risks

If and to the extent that any of the risks listed in Sub-Clause 17.3 above results in loss or damage to the Works, Goods or Contractor's Documents, the Contractor shall promptly give notice to the Engineer and shall rectify this loss or damage to the extent required by the Engineer.

If the Contractor suffers delay and/or incurs Cost from rectifying this loss or damage, the Contractor shall give a further notice to the Engineer and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:

(a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and

(b) payment of any such Cost, which shall be included in the Contract Price. In the case of sub-paragraphs (f) and (g) of Sub-Clause 17.3 [Employer's Risks], Cost shall be payable.

After receiving this further notice, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.

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17.5 Intellectual and Industrial Property Rights

In this Sub-Clause, "infringement" means an infringement (or alleged infringement) of any patent, registered design, copyright, trade mark, trade name, trade secret or other intellectual or industrial property right relating to the Works; and "claim" means a claim (or proceedings pursuing a claim) alleging an infringement.

Whenever a Party does not give notice to the other Party of any claim within 28 days of receiving the claim, the first Party shall be deemed to have waived any right to indemnity under this Sub-Clause.

The Employer shall indemnify and hold the Contractor harmless against and from any claim alleging an infringement which is or was:

(a) an unavoidable result of the Contractor's compliance with the Contract, or

(b) a result of any Works being used by the Employer:
  (i) for a purpose other than that indicated by, or reasonably to be inferred from, the Contract, or
  (ii) in conjunction with any thing not supplied by the Contractor, unless such use was disclosed to the Contractor prior to the Base Date or is stated in the Contract.

The Contractor shall indemnify and hold the Employer harmless against and from any other claim which arises out of or in relation to (i) the manufacture, use, sale or import of any Goods, or (ii) any design for which the Contractor is responsible.

If a Party is entitled to be indemnified under this Sub-Clause, the indemnifying Party may (at its cost) conduct negotiations for the settlement of the claim, and any litigation or arbitration which may arise from it. The other Party shall, at the request and cost of the indemnifying Party, assist in contesting the claim. This other Party (and its Personnel) shall not make any admission which might be prejudicial to the indemnifying Party, unless the indemnifying Party failed to take over the conduct of any negotiations, litigation or arbitration upon being requested to do so by such other Party.

17.6 Limitation of Liability

Neither Party shall be liable to the other Party for loss of use of any Works, loss of profit, loss of any contract or for any indirect or consequential loss or damage which may be suffered by the other Party in connection with the Contract, provided that this exclusion shall not apply to any obligation of the Contractor to pay Delay Damages to the Employer under Sub-Clause 8.7 [Delay Damages].

The total liability of the Contractor to the Employer, under or in connection with the Contract other than under Sub-Clause 4.19 [Electricity, Water and Gas], Sub-Clause 4.20 [Employer's Equipment and Free-Issue Material], Sub-Clause 17.1 [Indemnities] and Sub-Clause 17.5 [Intellectual and Industrial Property Rights], shall not exceed the sum as specified in the Contract Data or if nothing is specified in the Contract Data, the accepted Contract Amount.

This Sub-Clause shall not limit liability in any case of fraud, deliberate default or reckless misconduct by the defaulting Party.

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17.7 Use of Employer's Accommodation/ Facilities

The Contractor shall take full responsibility for the care of the Employer provided accommodation and facilities, if any, as detailed in the Specification, from the respective dates of hand-over to the Contractor until cessation of occupation(where hand-over or cessation of occupation may take place after the date stated in the Taking-Over Certificate for the Works).

If any loss or damage happens to any of the above items while the Contractor is responsible for their care arising from any cause whatsoever other than those for which the Employer is liable, the Contractor shall, at his own cost, rectify the loss or damage to the satisfaction of the Engineer.

18 Insurance

18.1 General Requirements for Insurances

In this Clause, "insuring Party" means, for each type of insurance, the Party responsible for effecting and maintaining the insurance specified in the relevant Sub-Clause.

Wherever the Contractor is the insuring Party, each insurance shall be effected with insurers and in terms approved by the Employer. These terms shall be consistent with any terms agreed by both Parties before the date of the Letter of Acceptance. This agreement of terms shall take precedence over the provisions of this Clause.

If a policy is required to indemnify joint insured, the cover shall apply separately to each insured as though a separate policy had been issued for each of the joint insured. If a policy indemnifies additional joint insured, namely in addition to the insured specified in this Clause, (i) the Contractor shall act under the policy on behalf of these additional joint insured except that the Employer shall act for Employer's Personnel, (ii) additional joint insured shall not be entitled to receive payments directly from the insurer or to have any other direct dealings with the insurer, and (iii) the insuring Party shall require all additional joint insured to comply with the conditions stipulated in the policy.

Each policy insuring against loss or damage shall provide for payments to be made in the currencies required to rectify the loss or damage. Payments received from insurers shall be used for the rectification of the loss or damage.

The relevant insuring Party shall, within the respective periods stated in the Contract Data (calculated from the Commencement Date), submit to the other Party:

(a) evidence that the insurances described in this Clause have been effected, and

(b) copies of the policies for the insurances described in Sub-Clause 18.2 [Insurance for Works and Contractor's Equipment] and Sub-Clause 18.3 [Insurance against Injury to Persons and Damage to Property].

(c) If the contractor fails to submit evidence and copies of the policies as mentioned in (a) & (b) above to prove that the policies have been obtained within the period specified in the contract data, and submits the same later on and from the submitted evidence it is found that the policies have not been obtained within the period specified, the Employer shall recover double the cost of the premium for the period the policies have been delayed.

When each premium is paid, the insuring Party shall submit evidence of payment to the other Party. Whenever evidence or policies are submitted, the insuring Party shall also give notice to the Engineer.

Each Party shall comply with the conditions stipulated in each of the insurance policies. The insuring Party shall keep the insurers informed of any relevant changes to the execution of the Works and ensure that insurance is maintained in accordance with this Clause.
Neither Party shall make any material alteration to the terms of any insurance without the prior approval of the other Party. If an insurer makes (or attempts to make) any alteration,

the Party first notified by the insurer shall promptly give notice to the other Party.

If the insuring Party fails to effect and keep in force any of the insurances it is required to effect and maintain under the Contract, or fails to provide satisfactory evidence and copies of policies in accordance with this Sub-Clause, the other Party may (at its option and without prejudice to any other right or remedy) effect insurance for the relevant coverage and pay the premiums due. The insuring Party shall pay double the amount of these premiums to the other Party, and the Contract Price shall be adjusted accordingly.

Nothing in this Clause limits the obligations, liabilities or responsibilities of the Contractor or the Employer, under the other terms of the Contract or otherwise. Any amounts not insured or not recovered from the insurers shall be borne by the Contractor and/or the Employer in accordance with these obligations, liabilities or responsibilities. However, if the insuring Party fails to effect and keep in force an insurance which is available and which it is required to effect and maintain under the Contract, and the other Party neither approves the omission nor effects insurance for the coverage relevant to this default, any moneys which should have been recoverable under this insurance shall be paid by the insuring Party.

Payments by one Party to the other Party shall be subject to Sub-Clause 2.5 [Employer's Claims] or Sub-Clause 20.1 [Contractor's Claims], as applicable.

The Contractor shall be entitled to place all insurance relating to the Contract (including, but not limited to the insurance referred to Clause 18) with insurers from any eligible source country.

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18.2 Insurance for Works and Contractor's Equipment

The Contractor shall insure the Works, Plant, Materials, including those issued by the Employer and Contractor's Documents for not less than the full reinstatement cost including the costs of demolition, removal of debris and professional fees and profit, subject to a maximum value indicated in Contract Data**.**. This insurance shall be effective from the date by which the evidence is to be submitted under sub-paragraph (a) of Sub-Clause 18.1 [General Requirements for Insurances], until the date of issue of the Taking-Over Certificate for the Works.

The insuring Party shall maintain this insurance to provide cover until the date of issue of the Performance Certificate, for loss or damage for which the Contractor is liable arising from a cause occurring prior to the issue of the Taking-Over Certificate, and for loss or damage caused by the Contractor in the course of any other operations (including those under Clause 11 [Defects Liability]).

The insuring Party shall insure the Contractor's Equipment for not less than the full replacement value, including delivery to Site. For each item of Contractor's Equipment, the insurance shall be effective while it is being transported to the Site and until it is no longer required as Contractor's Equipment.

Unless otherwise stated in the Special Conditions of Contract, insurances under this Sub-Clause:

(a) shall be effected and maintained by the Contractor as insuring Party,

(b) shall be in the joint names of the Parties, who shall be jointly entitled to receive

payments from the insurers, payments being held or allocated between the Parties for the sole purpose of rectifying the loss or damage,

(c) shall cover all loss and damage from any cause not listed in Sub-Clause 17.3 [Employer's Risks],

(d) shall also cover loss or damage to a part of the Works which is attributable to the use or occupation by the Employer of another part of the Works, and loss or damage from the risks listed in sub-paragraphs (c), (g) and (h) of Sub-Clause 17.3 [Employer's Risks], excluding (in each case) risks which are not insurable at commercially reasonable terms, with deductibles per occurrence of not more than the amount stated in the Contract Data (if an amount is not so stated, this sub-paragraph (d) shall not apply), and

(e) may however exclude loss of, damage to, and reinstatement of:

i) part of the Works which is in a defective condition due to a defect in its design, materials or workmanship (but cover shall include any other parts which are lost or damaged as a direct result of this defective condition and not as described in sub-paragraph (ii) below),

ii) a part of the Works which is lost or damaged in order to reinstate any other part of the Works if this other part is in a defective condition due to a defect in its design, materials or workmanship,

iii) a part of the Works which has been taken over by the Employer, except to the extent that the Contractor is liable for the loss or damage, and

iv) Goods while they are not in the Country, subject to Sub-Clause 14.5 [Plant and Materials intended for the Works].

If, more than one year after the Base Date, the cover described in sub-paragraph (d) above ceases to be available at commercially reasonable terms, the Contractor shall (as insuring Party) give notice to the Employer, with supporting particulars. The Employer shall then (i) be entitled subject to Sub-Clause 2.5 [Employer's Claims] to payment of an amount equivalent to such commercially reasonable terms as the Contractor should have expected to have paid for such cover, and (ii) be deemed, unless he obtains the cover at commercially reasonable terms, to have approved the omission under Sub-Clause 18.1 [General Requirements for Insurances].

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18.3 Insurance against injury to Persons and Damage to Property

The insuring Party shall insure against each Party's liability for any loss, damage, death or bodily injury which may occur to any physical property (except things insured under Sub-Clause 18.2 [Insurance for Works and Contractor's Equipment]) or to any person (except persons insured under Sub-Clause 18.4 [Insurance for Contractor's Personnel]), which may arise out of the Contractor's performance of the Contract and occurring before the issue of the Performance Certificate.

This insurance shall be for a limit per occurrence of not less than the amount stated in the Contract Data, with no limit on the number of occurrences. If an amount is not stated in the Contract Data, this Sub-Clause shall not apply.

Unless otherwise stated in the Special Conditions of Contract, the insurances specified in this Sub-Clause:

(a) shall be effected and maintained by the Contractor as insuring Party,

(b) shall be in the joint names of the Parties,

(c) shall be extended to cover liability for all loss and damage to the Employer's property including Railways Property (except things insured under Sub-Clause 18.2) arising out of the Contractor's performance of the Contract, and

(d) may however exclude liability to the extent that it arises from:

(i) the Employer's right to have the Permanent Works executed on, over, under, in or through any land, and to occupy this land for the Permanent Works,

(ii) damage which is an unavoidable result of the Contractor's obligations to execute the Works and remedy any defects, and

(iii) a cause listed in Sub-Clause 17.3 [Employer's Risks], except to the extent that cover is available at commercially reasonable terms.

18.4 Insurance for Contractor's Personnel

The Contractor shall abide by the provisions of ESIC Act, 1948 (extended from time to time) to take care of insurance against liability for claims, damages, losses and expenses (including legal fees and expenses) arising from injury, sickness or disease. In addition the contractor shall also maintain insurance against liability for claim of death of any person employed by the Contractor or any other of the Contractor's Personnel.

The Employer and the Engineer shall also be indemnified under the policy of insurance, except that this insurance may exclude losses and claims to the extent that they arise from any act or neglect of the Employer or of the Employer's Personnel.

The insurance shall be maintained in full force and effect during the whole time that these personnel are assisting in the execution of the Works. For a Subcontractor's employees, the insurance may be effected by the Subcontractor, but the Contractor shall be responsible for compliance with this Clause.

19 Force Majeure

If at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligation under this contract shall be prevented or delayed by reason of any war, hostility, acts of public enemy, civil commotion, sabotage, serious loss or damage by fire, explosions, epidemics, strikes, lockouts or acts of God (hereinafter referred to 'events') provided, notice of the happening of any such event is given by either party to the other within 14 days from the date of occurrence thereof, neither party shall by reason of such event, be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non-performance of delay in performance, and works under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist, and decision of the Engineer as to whether the works have been so resumed or not shall be final and conclusive, PROVIDED FURTHER that if the performance in whole or in part of any obligation under

this contract is prevented or delayed by reason of any such event for a continuous period exceeding 84 days, either party may at its option terminate the contract by giving notice to the other party.

19.1 Payment and Release in case of Optional Termination

Upon such termination, the Engineer shall determine the value of the work done and issue a Payment Certificate which shall include :

(a) The amounts payable for any work carried out for which a price is stated in the contract;

(b) The Cost of Plant and Materials ordered for the Works which have been delivered to the Contractor, or of which the contractor is liable to accept delivery; this Plant and materials shall become the property of (and be at the risk of) the Employer when paid for by the Employer, the Contractor shall place the same at the Employer's disposal;

(c) Other Costs or liabilities supported by necessary documentary evidence which in the circumstances were reasonably and necessarily incurred by the Contractor in the expectation of completing the Works as per mutually agreed programme.

(d) the Cost of removal of Temporary Works and Contractor's Equipment from the Site and the return of these items to the Contractor's works in his country (or to any other destination at no greater cost).

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20	Claims, Disputes and Arbitration

20.1 Contractor's Claims

If the Contractor considers himself to be entitled to any extension of the Time for Completion and/or any additional payment, under any Clause of these Conditions or otherwise in connection with the Contract, the Contractor shall give notice to the Engineer, describing the event or circumstance giving rise to the claim. The notice shall be given as soon as practicable, and not later than 28 days after the Contractor became aware, or should have become aware, of the event or circumstance.

If the Contractor fails to give notice of a claim within such period of 28 days, the Time for Completion shall not be extended, the Contractor shall not be entitled to additional payment, and the Employer shall be discharged from all liability in connection with the claim. Otherwise, the following provisions of this Sub-Clause shall apply.

The Contractor shall also submit any other notices which are required by the Contract, and supporting particulars for the claim, all as relevant to such event or circumstance.

The Contractor shall keep such contemporary records as may be necessary to substantiate any claim, either on the Site or at another location acceptable to the Engineer. Without admitting the Employer's liability, the Engineer may, after receiving any

notice under this Sub-Clause, monitor the record-keeping and/or instruct the Contractor to keep further contemporary records. The Contractor shall permit the Engineer to inspect all these records, and shall (if instructed) submit copies to the Engineer.

Within 42 days after the Contractor became aware (or should have become aware) of the event or circumstance giving rise to the claim, or within such other period as may be proposed by the Contractor and approved by the Engineer, the Contractor shall send to the Engineer a fully detailed claim which includes full supporting particulars of the basis of the claim and of the extension of time and/or additional payment claimed. If the event or circumstance giving rise to the claim has a continuing effect:

(a) this fully detailed claim shall be considered as interim;

(b) the Contractor shall send further interim claims at monthly intervals, giving the accumulated delay and/or amount claimed, and such further particulars as the Engineer may reasonably require; and

(c) the Contractor shall send a final claim within 28 days after the end of the effects resulting from the event or circumstance, or within such other period as may be proposed by the Contractor and approved by the Engineer.

Within 42 days after receiving a claim or any further particulars supporting a previous claim, or within such other period as may be proposed by the Engineer and approved by the Contractor, the Engineer shall respond with approval, or with disapproval and detailed comments. He may also request any necessary further particulars, but shall nevertheless give his response on the principles of the claim within such time.

Each Payment Certificate shall include such amounts for any claim as have been reasonably substantiated as due under the relevant provision of the Contract. Unless and until the particulars supplied are sufficient to substantiate the whole of the claim, the Contractor shall only be entitled to payment for such part of the claim as he has been able to substantiate.

The Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine (i) the extension (if any) of the Time for Completion (before or after its expiry) in accordance with Sub-Clause 8.4 [Extension of Time for Completion], and/or (ii) the additional payment (if any) to which the Contractor is entitled under the Contract.

The requirements of this Sub-Clause are in addition to those of any other Sub-Clause which may apply to a claim. If the Contractor fails to comply with this or another Sub-Clause in relation to any claim, any extension of time and/or additional payment shall take account of the extent (if any) to which the failure has prevented or prejudiced proper investigation of the claim, unless the claim is excluded under the second paragraph of this Sub-Clause.

20.2 Amicable Settlement

In case any dispute between the Engineer and the Contractor for which claim has already been made by the contractor, remains unresolved, the Contractor shall, then, give notice of dissatisfaction and intention to commence arbitration to the Employer duly specifying the subject of the dispute or difference as also the amount of claim item wise. The Parties shall make attempts to settle the dispute amicably before the commencement of arbitration as per procedure by KRIDE. However, unless both Parties agree otherwise, demand for arbitration may be made by the contractor after ninety days from the day on which a notice of dissatisfaction and intention to commence arbitration was given, even if

no attempt at amicable settlement has been made.

Procedure for Amicable Settlement in contracts

1. Amicable Settlement Committee at senior management level shall make an attempt to resolve the issues/disputes within 90 days of request by the contractor.

2. The committee shall comprise of the following:-

(i) GM /K RIDE directly in-charge of the project;
(ii) Concerned finance officer, and
(iii) GM /K RIDE (in the same order) directly in-charge of the project of other discipline(s) in case the issues involve other discipline(s) of the engineering

3. Whenever the contractor submits a request for amicable settlement, MD/K RIDE should forward the same to concerned GM /K RIDE (in the same order) directly in-charge of the project. GM /K RIDE on receipt of the same shall issue a note to the concerned finance officer and concerned GM/K RIDE of other discipline in case the issues involved other discipline(s) of engineering, about the request for amicable settlement to be dealt by them and fix a date in consultation with them for a hearing. The date should then be communicated to the MD/K RIDE, GM/ /K RIDE of other department (if the issues involved their department) and contractor for presenting their case before the Amicable Settlement Committee.

4. This being an additional workload like arbitration, the Committee members shall be paid fee by KRIDE at the rates payable to the Arbitrators of KRIDE.

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20.3 Arbitration

Any dispute, in respect of which amicable settlement has not been reached, arising between the Employer and the Domestic or Foreign Contractor related to any matter arising out of or connected with this contract, then the contractor shall be entitled to demand in writing that the dispute or difference be referred to arbitration.

Only such dispute(s) or difference(s) in respect of which the demand had been made for amicable settlement under GCC 20.2 but could not be settled, shall be referred to arbitration subject to the condition that cumulative amount of claims in the contract is not exceeding 20% of the contract price. In case the cumulative amount of claims exceeds 20% of the contract price, arbitration clause will not be applicable.

The Arbitration proceedings shall commence from the day, a written and duly quantified demand for arbitration is received by Managing Director, Rail Infrastructure Development Company (Karnataka) Limited, Bangalore /K RIDE).

The disputes so referred to arbitration shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996 and any statutory modification or re-enactment thereof.

Further, it is agreed between the parties as under:

20.3.1

Number of Arbitrators: The arbitral tribunal shall consist of three arbitrators.

20.3.2

Procedure for Appointment of Arbitrators: The arbitrators shall be appointed as per following procedure:

(a) The Contractor, while invoking demand for arbitration, shall submit to MD/K RIDE, claims duly quantified along with name and contact details of his nominee arbitrator. Thereafter, he Employer will nominate his nominee arbitrator within a period of 30 days from receipt of such demand from the Contractor and will issue letter of appointment to both the arbitrators appointed by the parties with a copy to the Contractor.

(b) The third Arbitrator shall be chosen by the two Arbitrators so appointed by the parties and shall act as Presiding Arbitrator. In case of failure of the two Arbitrators appointed by the parties to reach upon consensus within a period of 30 days from the appointment of the Arbitrators subsequently appointed, then, upon the request of either or both parties, the Presiding Arbitrator shall be appointed by the Managing Director, Rail Infrastructure Development Company (Karnataka) Limited, Bangalore.

(c) If one or more of the arbitrators appointed as above refuses to act as arbitrator, withdraws from his office as arbitrator, or vacates his/their office/offices or is/are unable or unwilling to perform his functions as arbitrator for any reason whatsoever or dies or in the opinion of the concerned GM/K RIDE fails to act without undue delay, the MD/K RIDE shall appoint new arbitrator/arbitrators to act in his/their place except in case of new Presiding Arbitrator who shall be chosen following the same procedure as mentioned in para (b) above. Such re-constituted Tribunal may, at its discretion, proceed with the reference from the stage at which it was left by the previous arbitrator(s).

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20.3.3

Qualification and Experience of Arbitrators (to be appointed as per sub-clause 20.3.2 above): The contract being of specialized nature requiring knowledge and experience of dealing with construction contracts, the arbitrators to be appointed shall have minimum qualification and experience as under:

Arbitrator shall be;

a working/retired officer (not below E-9 grade and above in a PSU with which K RIDE has no business relationship) of any discipline of Engineering or Accounts/Finance department, having experience in Contract Management of construction contracts; or

a retired officer (retired not below the HAG level) of any Engineering/Accounts Services of Central Government, having experience in Contract Management of construction contracts; ora retired officer who should have retired more than 3 years previously from the date of appointment as Arbitrator (retired not below E-9 grade in K RIDE or a PSU with which K RIDE has a business relationship) of any Engineering discipline or Accounts

department, having experience in Contract Management of construction contracts.

20.3.4

No person other than the persons appointed as per above procedure and having above qualification and experience shall act as Arbitrator. In case any person having the qualification and experience other than that mentioned above is nominated as arbitrator, the arbitration clause shall cease to exist and shall not be applicable.

No new claim, except as otherwise mutually agreed by the Parties, shall be added during proceedings by either party. However, a party may amend or supplement the original claim or defence thereof during the course of arbitration proceedings subject to acceptance by Tribunal having due regard to the delay in making it.

20.3.5

Neither party shall be limited in the proceedings before such arbitrators to the evidence nor did arguments previously put before during amicable settlement.

20.3.6

The reference to arbitration may proceed, notwithstanding that the Works shall not then be or be alleged to be complete, provided always that the obligations of the Employer, the Engineer and the Contractor shall not be altered by the reason of the arbitration being conducted during the progress of the Works. Neither party shall be entitled to suspend the Works, nor shall payment to the Contractor be withheld on account of such proceedings

20.3.7

If the contractor(s) does/do not prefer his/their specific and final claims in writing, within a period of 90 days of receiving the intimation from the Employer/Engineer that the final bill is ready for signature of the contractor(s), he/they will be deemed to have waived his/their claim(s) and the Employer shall be discharged and released of all liabilities under the contract in respect of these claims.

20.3.8

Arbitration proceedings shall be held at Bangalore, India or at a place where GM(CIVIL)/K RIDE's (dealing the contract) office is located, and the language of the arbitration proceedings and that of all documents and communications between the parties shall be in English.

20.3.9

The Arbitral Tribunal should record day to day proceedings. The proceedings shall normally be conducted on the basis of documents and written statements.

All arbitration awards shall be in writing and shall state item wise, the sum and detailed reasons upon which it is based.

20.3.10

Any ruling on award shall be made by a majority of members of Tribunal. In the absence of such a majority, the views of the Presiding Arbitrator shall prevail.

A party may apply for correction of any computational errors, any typographical or clerical errors or any other error of similar nature occurring in the award of a tribunal and interpretation of specific point of award to tribunal within 60 days of the receipt of award.

A party may apply to tribunal within 60 days of receipt of award to make an additional award as to claims presented in the arbitral proceedings but omitted from the arbitral award.

20.3.11

Where the Arbitral award is for the payment of money, no interest shall be payable on whole or any part of the money for any period till the date on which the award is made.

20.3.12

The fees and other charges of the conciliator/arbitrators shall be as per the fee structure fixed by the employer as amended from time to time irrespective of the fact whether the Arbitrator(s) is/are appointed by the parties or by the Court of law unless specifically directed by Hon'ble Court otherwise on the matter, and shall be shared equally by the Employer and the Contractor. However, the expenses incurred by each party in connection with the preparation, presentation will be borne by itself

21. Jurisdiction of courts

The Contract Agreement shall be subject to exclusive jurisdiction of Courts as indicated in the Contract Data.

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APPENDIX 1

SALIENT FEATURES OF SOME MAJOR LABOUR LAWS APPLICABLE TO ESTABLISHMENTS ENGAGED IN BUILDING AND OTHER CONSTRUCTION WORK

(The laws as current on the date of bid opening will apply)

a) **Workmen Compensation Act 1923**: The Act provides for compensation in case of injury by accident arising out of and during the course of employment.

b) **Payment of Gratuity Act 1972**: Gratuity is payable to an employee under the Act on satisfaction of certain conditions on separation if an employee has completed 5 years service or more or on death the rate of 15 days wages for every completed year of service. The Act is applicable to all establishments employing 10 or more employees.

c) **Employees P.F. and Miscellaneous Provision Act 1952 (since amended):** The Act Providesfor monthly contributions by the employer plus workers @ 10% or 8.33%. The benefits payable under the Act are :

   (i) Pension or family pension on retirement or death, as the case may be.

   (ii) Deposit linked insurance on the death in harness of the worker.

   (iii) payment of P.F. accumulation on retirement/death etc.

d) **Maternity Benefit Act 1951**: The Act provides for leave and some other benefits to women employees in case of confinement or miscarriage etc.

e) **Contract Labour (Regulation & Abolition) Act 1970**: The Act provides for certain welfare measures to be provided by the Contractor to contract labour and in case the Contractor fails to provide, the same are required to be provided, by the Principal Employer by Law. The Principal Employer is required to take Certificate of Registration and the Contractor is required to take license from the designated Officer. The Act is applicable to the establishments or Contractor of Principal Employer if they employ 20 or more contract labour.

f) **Minimum Wages Act 1948**: The Employer is supposed to pay not less than the Minimum Wages fixed by appropriate Government as per provisions of the Act if the employment is a scheduled employment. Construction of Buildings, Roads, Runways are scheduled employments.

g) **Payment of Wages Act 1936:** It lays down as to by what date the wages are to be paid, when it will be paid and what deductions can be made from the wages of the workers.

h) **Equal Remuneration Act 1979**: The Act provides for payment of equal wages for work of equal nature to Male and Female workers and for not making discrimination against Female employees in the matters of transfers, training and promotions etc.

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i) **Payment of Bonus Act 1965**: The Act is applicable to all establishments employing 20 or more employees. The Act provides for payments of annual bonus subject to a minimum of 8.33% of wages and maximum of 20% of wages to employees drawing Rs.3500/-per month or less. The bonus to be paid to employees getting Rs.2500/- per month or above upto Rs.3500/- per month shall be worked out by taking wages as Rs.2500/-per month only. The Act does not apply to certain establishments. The newly set-up establishments are exempted for five years in certain circumstances. Some of the State Governments have reduced the employment size from 20 to 10 for the purpose of applicability of this Act.

j) **Industrial Disputes Act 1947**: The Act lays down the machinery and procedure for resolution of Industrial disputes, in what situations a strike or lock-out becomes illegal and what are the requirements for laying off or retrenching the employees or closing down the establishment.

k) **Industrial Employment (Standing Orders) Act 1946**: It is applicable to all establishments employing 100 or more workmen (employment size reduced by some of the States and Central Government to 50). The Act provides for laying down rules governing the conditions of employment by the Employer on matters provided in the Act and get the same certified by the designated Authority.

l) **Trade Unions Act 1926:** The Act lays down the procedure for registration of trade unions of workmen and employers. The Trade Unions registered under the Act have been given certain immunities from civil and criminal liabilities.

m) **Child Labour (Prohibition & Regulation) Act 1986**:The Act prohibits employment of children below 14 years of age in certain occupations and processes and provides for regulation of employment of children in all other occupations and processes. Employment of Child Labour is prohibited in Building and Construction Industry.

n) **Inter-State Migrant workmen's (Regulation of Employment & Conditions of Service) Act 1979:** The Act is applicable to an establishment which employs 5 or more inter-state migrant workmen through an intermediary (who has recruited workmen in one state for employment in the establishment situated in another state). The Inter-State migrant workmen, in an establishment to which this Act becomes applicable, are required to be provided certain facilities such as housing, medical aid, travelling expenses from home upto the establishment and back, etc.

o) **The Building and Other Construction workers (Regulation of Employment and Conditions of Service) Act 1996 and the Cess Act of 1996:** All the establishments who carry on any building or other construction work and employs 10 or more workers are covered under this Act. All such establishments are required to pay cess at the rate not exceeding 2% of the cost of construction as may be modified by the Government. The Employer of the establishment is required to provide safety measures at the Building or construction work and other welfare measures, such as Canteens, First-Aid facilities, Ambulance, Housing accommodations for workers near the work place etc. The Employer to whom the Act applies has to obtain a registration certificate from the Registering Officer appointed by the Government.

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As per Central Government's Notification No.S.O.2899 dated 26.09.1996 under this act, the cess shall be levied @1% of cost of construction works which shall be deducted from each bill of the payment due to the contractor.

p) **Factories Act 1948**: The Act lays down the procedure for approval at plans before setting up a factory, health and safety provisions, welfare provisions, working hours, annual earned leave and rendering information regarding accidents or dangerous occurrences to designated authorities. It is applicable to premises employing 10 persons or more with aid of power or 20 or more persons without the aid of power engaged in manufacturing process.

q) **The Employees State Insurance Act, 1948 (Act No. 34 of 1948) (Provisions as extended from time to time):**An Act to provide for certain benefits to employees in case of sickness, maternity and 'employment injury' and to make provision for certain other matters in relation thereto.

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Section 7 Part A	Particular Conditions of Contract (PCC) Contract Data

Section 7 Particular Conditions of Contract

The following Special Conditions of Contract (SCC) shall supplement the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

Part A – Contract Data

Conditions	Reference to GCC	Data
Employer's name and address	1.1.2.2 & 1.3	K RIDE (Rail Infrastructure Development Company (Karnataka) Limited) (A Joint venture of GoK and MoR) #8 , 1st Floor, Samparka Soudha, Dr. Rajkumar Road, Opposite Orion Mall Rajaji Nagar 1st Block Bangalore – 560010 Tele: +91 9535688982
Employer's Representative	1.1.2.6	General Manager (Finance)/K RIDE, K RIDE (Rail Infrastructure Development Company (Karnataka) Limited) #8 , 1st Floor, Samparka Soudha, Dr. Rajkumar Road, Opposite Orion Mall Rajaji Nagar 1st Block Bangalore – 560010 Tele: +91 9535688982 E – Mail: mdfinance@kride.in
Engineer's name and address	1.1.2.4	*Will be notified later*
Defects Notification Period	1.1.3.7	Nott Applicable
Electronic transmission systems	1.3 (a)	Only Electronic Bid permitted
Address for Communication to Employer	1.3 (b)	General Manager (Finance)/K RIDE, K RIDE (Rail Infrastructure Development Company (Karnataka) Limited) #8 , 1st Floor, Samparka Soudha, Dr. Rajkumar Road, Opposite Orion Mall Rajaji Nagar 1st Block Bangalore – 560010 Tele: +91 9535688982 E – Mail: mdfinance@kride.in
Governing Law	1.4	The Laws of Republic of India
Ruling language	1.4	English

Conditions	Reference to GCC	Data
Language for communications	1.4	English
Time for access to Site (after the date of commencement)	2.1	Starting from the Date of Commencement.
Performance Security	4.2 (a)	(a) The Performance Security shall be for an amount of 3% (Three percent) of the Accepted Contract Amount and in the same currency(ies) of the Accepted Contract amount in the prescribed form for the stated amount valid for a period of 28 days beyond issue of performance certificate. The contractor shall have the following options; (i) to submit full performance security for an amount equal to 3% of the contract price; or (ii) to submit part performance security for an amount equal to 1.5% of the contract price and the balance performance security shall be recovered from interim payment certificates @ 10% of the bill amount starting from 1st bill till it reaches full Performance Security. The contractor shall not be entitled to any interest on the amounts so recovered. However, the contractor shall be entitled for release of recovered amount of performance security against submission of bank guarantee of an equivalent amount, maximum three times during the contract. The Performance Security shall be valid for a period of 6 months (six months) beyond the expiry of the Contract/Warranty period and Post Implementation Support.
Security Deposit	4.2 (b)	The Security Deposit shall be 5% of the contract value. Security Deposit may be deposited by the Contractor before release of first on account bill in cash or Term Deposit Receipt issued in the name of K-RIDE (free from all encumbrance) issued from Scheduled Bank, or may be recovered at the rate of 6% of the bill amount till the full security deposit is recovered. Security deposit will be valid for 6 months beyond the expiry of the Contract/Warranty period and Post

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Conditions	Reference to GCC	Data
		Implementation support.
Sub-Contractors	4.4	Clause- a,b,c,d and e - Deleted
Assignment of Benefit of Subcontract	4.5	Not Applicable
Safety Procedures	4.8	Additional Safety Precautions – Deleted 4.8.1 - Deleted
Access Route	4.15	Not Applicable
Normal working hours	6.5	As per Conditions of Contract
Commencement of works	8.1	Within Twenty-one (21) days from the date Contractor receives Letter of acceptance.
Maximum amount of delay damages	8.7	10% (ten percent) of the Contract Price.
Amount of bonus for early completion	8.13	Not Applicable.
Maximum limit of bonus	8.13	Not Applicable.
State Capital Applicable		Bengaluru
Mobilization advance payment	14.2.1	Not Applicable
Timing of Mobilization Advance Payment	14.2.1	Not Applicable
Advance Payment against Plant and Machinery	14.2.2	Not Applicable
Interest on Advance Payment	14.2.1 & 14.2.2	Not Applicable
Repayment rate of Advance payment	14.2.4	Not Applicable
Percentage of Retention Money	14.3	Not Applicable.

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Conditions	Reference to GCC	Data
Limit of Retention Money	14.3	Not Applicable
Plant and Materials	14.5 (b)	Not applicable
	14.5(c) (i)	Not Applicable
Employers' Bank details for Letter of Credit **(a) Nodal Branch** **(b) Issuance/ reimbursing branch for LC**	14.7.1	(a) Canara Bank, MG Road, Bangalore 560001 IFSC Code – CNRB0002636 A/c No - 0430201012110 (b) Not Applicable
Maximum Total Liability of the Contractor	17.6	Accepted Contract Amount
Periods for submission of insurance: **a) evidence of insurance** **b) relevant policies**	18.1	Not Applicable
Maximum amount of deductibles for insurance of Employer's risks.	18.2 (d)	NIL
Minimum amount of insurance by the Contractor for Works and Contractor's Plant and Materials including loss or damage to equipment.	18.2	Not Applicable

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Conditions	Reference to GCC	Data
Minimum amount of insurance by the Contractor for Third party insurance including damage to Other Property and personal injury or death insurance for: a) for other people, and b) for Contractor's Employees.	18.3	Not Applicable.
Jurisdiction of Courts	21	*Bengaluru*

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Section 7 Part B	Special Conditions of Contract (SCC) Specific Provisions

Section 7	Special condition of contract

Part B -Special condition of contract

Whenever there is a conflict or in consistency between the provisions of the Special Conditions of Contract–Section 7 PART B and the General Conditions of Contract–Section 6, the provisions stipulated in Special Conditions of Contract–Section 7 PART B shall prevail and supersede those appearing in the General Conditions of Contract–Section 6.

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Section 7	Special Conditions of Contract (SCC) Part - B

1.0 Special Terms & Conditions

1.1 Deleted

1.2 Obligations of the Parties

i) The Implementation Partner shall perform all Services in accordance with the Scope of the Work/Services as stated in the section 'Scope of Work' of section 5, including all related Works/services thereof.

ii) The Implementation Partner shall exercise reasonable skill, care and diligence in the performance of his obligations under the Agreement.

iii) Neither party will make any promise, representation nor give any warranty or guarantee with respect to services and products, which are not authorized by the other party.

iv) Neither party shall have the right or authority to assume or to create any obligation or responsibility to assume or to bind on behalf of or in the name of other party in any manner apart from the rights and obligation arising out of the terms and conditions of the Contract.

1.3 Assistance to the Implementation Partner

K-RIDE shall assist the Implementation Partner in:

i) Providing access wherever it is required for providing the Services as per the Scope of Work.

ii) Providing required infrastructure and environment, if so required under the Scope of the work.

1.4 Duration of Contract

The period of the contract for 'Implementation of Enterprise Resource Planning (ERP -SAP) solution under HR – Human Resources Management including Payroll, FICO – Financial & Accounting Module, PS - Project Systems & MM - Materials Management under this Tender will be one year including application support. Optionally, K-RIDE may also extend the application management contract for subsequent period as may be mutually agreed and upon such terms and conditions as may be decided by the Parties.

1.5 Effective Date of Contract

K-RIDE will issue the Purchase Order / work Order along with terms & conditions to the successful Bidder.

This Contract shall come into force and effect on the date of letter of acceptance of work order issued by K-RIDE. On acceptance of the LoA, the Implementation Partner shall take action as per the scope of work specified in Section 5

1.6 Liquidated damages

A) Supply and Implementation part

The date of delivery of the modules stipulated at the time of System Requirement Specification (SRS) of each module should be deemed to be the essence of the contract and delivery must be completed not later than the dates specified therein. Extension will not be given except in exceptional circumstances. Should, however, deliveries be made after expiry of the contracted delivery period, without prior concurrence of K-RIDE and be accepted by K-RIDE, such deliveries will not deprive K-RIDE of its right to recover liquidated damages as mentioned below.

Should the contractor fail to deliver any module within the period prescribed and agreed for delivery, then K-RIDE, without prejudice to other remedies available to it shall be entitled to recover liquidated damages, a sum equivalent to 0.5% of the value of the delayed delivery for each week of delay or part thereof for a period up to 10 (Ten) weeks, and thereafter at the rate of 1.0% of the value of the delayed delivery for each week of delay or part thereof for another Ten weeks of delay subject to maximum 10 % of the total value of the contract.

B) Warranty, Maintenance and Post-implementation Support part

i. In case of a delay of resolution after 24 hours for category 1 & 2 types of bugs a sum of Rupees 500/- (Rupees Five Hundred Only) per hour or a part thereof

shall be deducted till the resolution of the same, from the quarterly warranty maintenance and support charges as applicable.

ii. In case of a delay after 48 hours for category 3 or 4 bugs a sum of Rupees 250/- (Rupees Two Hundred Fifty Only) per hour or a part thereof shall be deducted from the quarterly warranty maintenance and support charges as applicable.

iii. The upper ceiling of the penalty on the on-site comprehensive warranty, maintenance and support services shall be the total amount to be paid to the Implementation Partner for providing on-site warranty maintenance and support services in a year under the contract. In case the total penalty in a year is more than the balance payment to be made to the Implementation Partner during the year, K-RIDE may request the Implementation Partner to deposit the amount with K-RIDE within a stipulated time period or may revoke the performance guarantee either in part or full to realize the outstanding dues for non-performance of the contract.

1.7 Event of Default and Termination

K-RIDE may, without prejudice to any other remedy for breach of contract, by written notice of default, sent to the Implementation Partner, terminate this contract in whole or in part. The Event of Default by the Implementation Partner shall be as set out below:

i) Material Breach to meet any of its obligations and which breach the Implementation Partner fails to cure for a period of 30 days (or such longer period as the K-RIDE may authorize in writing) after receipt of the default notice from K-RIDE;

ii) The Implementation Partner fails to deliver any or all of the deliverables to the satisfaction of the K-RIDE within the time period(s) specified in the contract, or any extension thereof granted by the K-RIDE pursuant to clause 7.7

iii) The Implementation Partner has abandoned the Work(s) as set out in the Scope of Work;

iv) The Implementation Partner has been declared insolvent;

v) A resolution has been passed for voluntary winding up of the Implementation Partner;

vi) Any petition for winding up of the Implementation Partner has been admitted and liquidator or provisional liquidator has been appointed or the Implementation Partner has been ordered to be wound up by Court of competent jurisdiction, except for the purpose of amalgamation or reconstruction with the prior consent of K-RIDE provided that, as part of such amalgamation or reconstruction and the amalgamated or reconstructed entity has unconditionally assumed all obligations of the Implementation Partner;

vii) The Implementation Partner has unlawfully repudiated the Contracts or has otherwise expressed an intention not to be bound by the Contracts.

In the Event of Default of the Implementation Partner in relation to the Work, K-RIDE shall, without prejudice to any other right that it may have, be entitled to encash the Performance Security(ies) and terminate Contract at its sole discretion and get the work executed at the risk and cost of Implementation Partner.

K-RIDE reserves the right to terminate the Contract by giving 1 (one) month advance notice in writing to the Implementation Partner, without assigning any reason there of.

1.8 Effect of Termination

Notwithstanding any other rights and remedies provided elsewhere in the Agreement, on termination of this Contract:

i) Neither party will represent the other party in any of its dealings. Either party shall not intentionally or otherwise commit any act(s) as would keep a third party to believe that the other party is still providing services as provided under this Contract.

ii) Both the parties will settle, within seven working days of Termination of this Contract all the outstanding dues of the other party save and except the dues under dispute.

iii) Each party shall not use each other’s name, trademark, brand name, logo, etc. in any visual form after termination of this Contract.

iv) K-RIDE shall not be prevented from usage of ERP solution which would have been already developed and implemented under the scope of contract.

v) For the incomplete modules K-RIDE may obtain the services from other agencies at Implementation Partner’s risk and cost, upon such terms and in such manner as it deems appropriate and the Implementation Partner shall

be liable to the K-RIDE for payment of any excess cost over and above what was agreed to in the contract for such similar services.

vi) The expiration or termination of the Contract for any reason whatsoever shall not affect any obligation of either party having accrued under the Agreement prior to the expiration or termination of the Contract and such expiration or termination shall be without prejudice to any liabilities of either party to the other party existing at the date of expiration or termination of the Contract.

1.9 All other terms and conditions as per GCC of K-RIDE. Bidders are requested to see GCC of K-RIDE before submission of bids.

2.0 <u>Schedule of Payments</u>

A) <u>Implementation of ERP-SAP systems</u>

I. 5% of the total price (Section 9- A-1) shall be paid on completion of process study and approval of blueprint document.

II. 30% on successful configuration & User acceptance of HR – Human Resources Management including Payroll, FICO – Financial & Accounting Module, PS - Project Systems & MM - Materials Management modules.

III. 20% of the total price (Section 9 -A-1) shall be paid on Data Migration & successful integration testing of the solution.

IV. 10% of the total price (Section 9 – A-1) shall be paid after rolling out to regional offices/site offices and completion of training at all levels.

V. 10% of the total price (Section 9 – A-1) shall be paid after Go-Live including submission of user-manual, system manual and training manual and acceptance.

VI. Balance 25% will be provided after completion of the Hypercare support.

B) <u>License payment term</u>

50% of the total license price (Section-9-A-2) shall be paid on submission of procurement plan of License and remaining 50% after delivery and acceptance of licences

C) Post implementation support

i. Payment for User adoption support will be provided after the completion of user adoption period (i.e. 3 months of Hypercare).

ii. Equated quarterly installments of the support price (Section 9 – B-1) shall be paid at the end of each quarter on successful service provided by the Implementation partner.

D) Cloud hosting cost

Equated quaterly installment of the cloud hosting price (Section 9-C-1) shall be paid at the end of each month till end of the contract period

2.1 Response to functionalities

The functionalities of modules to be implemented have been attached at **Annexure-1 of Section 5.** The Bidders are requested to attach these functionalities in a compliance sheet by stating whether their product complies with these functionalities or not. In case, the product does not support the functionality, the bidder is requested to mention the customization aspects related with the functionality.

The following table describes how to respond to the questions in respect of ERP modules

Response	Definition
Full Compliance (FC)	The entire stated requirement is supported in the base product. No Customization is required. Provide an explanation-refer to comment field.
Compliance with customization required (CC)	The entire stated requirement is not supported in the base product but can be provided by customization to the base product.
Not Available (N/A)	The entire stated requirement is not currently supported and will not be available before the end of warranty period

2.2 Preparation of Proposal

The bidders are requested to submit a Proposal written in the language(s) specified in the Data Sheet. The bidder is requested to confirm by e-mail to General Manager (Finance), K-RIDE after successfully downloading the Tender document.

i) Site Visit

Bidders should contact the Employer's representative for their visit, if required to obtain additional information and to verify existing setup. Bidders should ensure that K-RIDE representatives are advised of the visit well in time to allow them to make appropriate arrangements for supply of information. All costs related to the visits shall be borne by the interested bidder.

ii) Cost incidental to preparation of Proposal

Bidders shall bear all costs associated with the preparation and submission of their proposals and contract negotiation. K-RIDE is not bound to accept any proposal, and reserves the right to annul/reject/modify the selection process at any time prior to Contract award, without assigning any reason

3.0 Roles & Responsibilities

A clear definition of roles and responsibilities of all the partners involved brings transparency, accountability, manageability and efficiency in any project. The following are the roles and responsibilities of K-RIDE and the Implementation Partner.

Responsibilities of K-RIDE

As owner of the Project, the role of K-RIDE in the successful implementation of the project includes discharging the following responsibilities:

1. To ensure that all the participating departments take active part in the implementation of the project

2. To identify key points of contacts who would be able to dedicate quality time with the Implementation Partner.

3. To conduct fortnightly review meetings at regular intervals to monitor the overall progress of the project

4. To ensure speedy centralized issue resolution

5. To ensure timely sign – offs

6. To provide necessary facilities to the vendor during the development and customization and roll out stage

7. To handle the crucial change management.

8. Production facilities – space, inputs for SRS, computing & communication, etc

9. Approval/Co-ordination committees.

10. Mechanism to resolve the differences - Response times.

11. Provide physical records/data for database and application migration.

12. To provide the infrastructure for the training such as training hall, furniture, computers for the trainees, network connectivity to the ERP server, projector, etc

Responsibilities of Implementation Partner

1. To fulfill all the tasks as outlined in the Scope of Work specified in the Work order.

2. To ensure security of the data with adequate back–up measures.

3. To provide training to the user community to make them conversant with the application software

4. To provide handholding support.

5. To meet the functional requirements specified in this document and cover any other related functionality identified by K-RIDE to complete the assignment.

6. To provide full documentation of the implementation of the software and user manuals and the documentation work shall be carried out at their offices.

7. To undertake maintenance of software during support Period

8. To provide updates, upgrades and new patches

9. To ensure successful integration of the system

10. To prepare user feedback forms for service level parameters in consultation with K-RIDE and Project Consultants

11. To follow the terms and conditions as specified in this Tender document and in any other subsequent related documents

12. To provide Annual Maintenance support once the project has been implemented.

13. Support for additional and existing SAP user provided by implementation partner.

ABBREVIATIONS

BCV	Business Continuance Volume
BOM	Bill of Material
COTS	Commercially Off-the shelf
DBA	Database Administrator
DC	Data Centre
DR	Data Recovery
EMD	Earnest Money Deposit ie Bid Security
K-RIDE	Engineering Projects (India) Ltd
ERP	Enterprise Resource Planning
GPC	General Purchase Conditions
GCC	General Contract Conditions
HR	Human Resource
INR or `	Indian Rupees
LOA	Letter of Award
LOI	Letter of Intent
LAN	Local Area Network
MPLS	Multiprotocol Label Switching
NIT	Notice Inviting Tender
OEM	Original Equipment Manufacturer
POC	Proof of Concept.
PSU	Public Sector Undertaking
SAN	Storage Area Network
SLA	Service Level Agreement
SOA	Service Oriented Architecture
SRS	System Requirement Specification
VPN	Virtual Private Network
WAN	Wide Area Network

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Section 8	Contract Forms

Section 8 Contract Forms

This Section contains forms which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful Bidder after contract award.

All italicized text is for guidance how to prepare the various forms and shall be deleted from the final documents.

Table of Forms

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Form of additional Performance Security (NA)	**NA**	304-306
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Form of Bank Guarantee For Release of Balance Retention Money	**NA**	311-313
Indemnity Bond for the safe custody of the materials supplied by the contractor	**--**	314-317
Work Experience Certificate	**--**	318-319

FORM No. COF/1

Letter of Acceptance

[on letterhead paper of the Employer]

. . . . . date. . .. . . .

To: . ...*[name and address of the Contractor]* . . . . . .

Subject:. . . . . [*Insert Name and Identification number]……..[Notification of Award]…..*

This is to notify you that your Bid dated . . . .*[Insert Date]*. . . for execution of the . . . *[name of the contract and identification number, as given in the Contract Data]* . . . for the Accepted Contract Amount of the equivalent of INR *. . . [Insert amount in numbers and words and name of the currency]. .*, as corrected and modified in accordance with the Instructions to Bidders, is hereby accepted.

You are requested to furnish the Performance Security within 28 days in accordance with theConditions of Contract, using for that purpose the *of* the Performance Security Form No. COF/3 included in Section 8 (Contract Forms) of the Bidding Document.

Authorized Signature: .....

Name and Title of Signatory: .....

FORM No. COF/2

Contract Agreement

THIS AGREEMENT made the . . . . . .day of . . . ., between . . . . . [N*ame of the Employer*. . .. . (hereinafter "the Employer"), of the one part, and . . . . . [*name of the Contractor***]**. .[1]. . .(hereinafter "the Contractor"), of the other part:

WHEREAS the *Employer* desires that the Works known as . . . . . [*name of the Contract***]**. . . . .should be executed by the Contractor, and has accepted a Bid by the Contractor for the execution and completion of these Works and the remedying of any defects therein,

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other Contract documents.

   - the Letter of Acceptance
   - the Letter of Bid
   - the Addenda Nos. . . . . [***insert addenda numbers if any***]. . . . .
   - the Special Conditions of Contract

     Part A : Contract Data

     Part B : Specific Provisions
   - the General Conditions of Contract;
   - the Specification
   - the Drawings*;*
   - the Work's Requirements
   - the completed Schedules including (priced Bill of Quantities)
   - Any other documents

3. In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, the Contractor hereby covenants with the

[1]*In case Contractor is a Joint Venture the 'name of the contractor' shall be inserted as under :*
"the Joint Venture under the name and title of ……, comprising of ….[Lead Partner] ;……..; and ….."

Employer to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of . . . . . [*name of the borrowing country*]. . . . .on the day, month and year indicated above.

Signed by	Signed by .....
for and on behalf of the Employer in the presence of	for and on behalf the Contractor in the presence of
Witness, Name, Signature, Address, Date	Witness, Name, Signature, Address, Date

COF/3

FORM OF CONTRACT PERFORMANCE SECURITY(BANK GUARANTEE)

[*Refer Clause 41 of Instructions to Bidders]*

(On non-judicial stamppaperoftheappropriatevalue in accordancewithstampAct. Thestamppaperto be in thenameofExecuting Bank).

From:
Name and Address of the Bank…..
……..
To:
The Managing Director,
Rail Infrastructure Development Company (Karnataka) Limited,
"SamparkaSoudha" , 1st Floor,
B.E.P Premises (Opp. Orion Mall),
Dr. Rajkumar Road,
Rajajinagar 1st Block,
Bangalore - 560 010

WHEREAS**,** Rail Infrastructure Development Company (Karnataka) Limited, hereinafter called the **Employer,** acting through ***[Insert Designation and address of the Employer's Representative]***, has accepted the bid of ***[Insert Name and address of the Contractor]***, hereinafter called the **Contractor,** for the work of ***[Insert Name of Work]***, vide Notification of Award No.***[Insert Notification of Award No.]***.

AND

WHEREAS, the contractor is required to furnish Performance Security for the sum of ***[Insert Value of Performance Security required]***, in the form of bank guarantee, being a condition precedent to the signing of the contract agreement.

WHEREAS, ***[Insert Name of the Bank]***, with its Branch ***[Address]*** having its Headquarters office at ***[Address]***, hereinafter called the **Bank,** acting through ***[Designation(s) of the authorised person of the Bank]***, have, at the request of the *[Insert name of the JV partner]* , a JV partner on behalf of the contractor, agreed to give guarantee for performance security and additional performance security as hereinafter contained:

1 KNOW ALL MEN by these present that I/We the undersigned ***[Insert name(s) of authorized representatives of the Bank],***being fully authorized to sign and incur obligations for and on behalf of the Bank**,** confirm that the Bank, hereby, unconditionally and irrevocably guarantee to pay the Employer the full amount in the sum of ***[Insert Value of Performance Security required]*** as above stated.

2 The Bank undertakes to immediately pay on presentation of demand by the Employer any amount up to and including aforementioned full amount without any demur, reservation or recourse. Any such demand made by the Employer on the Bank shall be final, conclusive and binding, absolute and

unequivocal notwithstanding any disputes raised/ pending before any Court, Tribunal, Arbitration or any Authority or any threatened litigation by the Employer of Bank..

3 On payment of any amount less than aforementioned full amount, as per demand of the Employer, the guarantee shall remain valid for the balance amount i.e. the aforementioned full amount less the payment made to the Employer.

4 The Bank shall pay the amount as demanded immediately on presentation of the demand by Employer without any reference to the contractor and without the Employer being required to show grounds or give reasons for its demand or the amount demanded.

5. The Bank Guarantee shall be unconditional and irrevocable.

6 The guarantee hereinbefore shall not be affected by any change in the constitution of the Bank or in the constitution of the Contractor.

7 The Bank agrees that no change, addition, modifications to the terms of the Contract Agreement or to any documents, which have been or may be made between the Employer and the Contractor, will in any way release us from the liability under this guarantee; and the Bank, hereby, waives any requirement for notice of any such change, addition or modification to the Bank.

8 This guarantee is valid and effective from the date of its issue, which is ***[insert date of issue]***. The guarantee and our obligations under it will expire on [***Insert the date twenty-eight days after the expected end of defect liability period]***. All demands for payment under the guarantee must be received by us on or before that date.

9 The Bank agrees that the Employers right to demand payment of aforementioned full amount in one instance or demand payments in parts totaling up to the aforementioned full amount in several instances will be valid until either the aforementioned full amount is paid to the Employer or the guarantee is released by Employer before the Expiry date.

10 The Bank agrees that its obligation to pay any amount demanded by the Employer before the expiry of this guarantee will continue until the amount demanded has been paid in full.

11 The expressions Bank and Employer herein before used shall include their respective successors and assigns.

12 The Bank hereby undertakes not to revoke the guarantee during its currency, except with the previous consent in writing of the employer. This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758.

13 The Guarantee shall be in addition to and without prejudice to any other security Guarantee (s) of the contractor in favour of the Employer available with the Employer. The Bank, under this Guarantee, shall be deemed as Principal Debtor of the Employer.

Date ……. ……

Place……. [*Signature of Authorised person of Bank]*

……

[Name in Block letters]

……..
[Designation]

…….……
[P/Attorney] No.

……..
Bank's Seal

[P/Attorney] No.……

Witness:

1. *Signature*
   Name & Address & Seal

2. *Signature*
   Name & address & Seal

Note :

1. *All italicized text is for guidance on how to prepare this bank guarantee and shall be deleted from the final document.*

2. *In case the guarantee is issued by a foreign Bank, which does not have operations in India, the said bank shall have to provide a counter-guarantee by State Bank of India.*
3. *In case the Contractor is a JV, the Performance Security is required to be furnished on behalf of the JV in favour of the Employer by the JV Partners in proportion of of their respective percentage share specified in the JV Agreement. The percentage share of M/s [**Insert Name of the JV Partner**] in the JV is [**Fill share % in the JV**] percent. All the Bank Guarantee of JV Partners are liable to be encashed cumulatively.*

FORM OF ADDITIONAL PERFORMANCE SECURITY
(BANK GUARANTEE)

[Refer Clause 35.5 of Instructions to Bidders]

(On non-judicial stamppaperoftheappropriatevalue in accordancewithstampAct. Thestamppaperto be in thenameofExecuting Bank)

From:

Name and Address of the Bank…..
……..

To:
The Managing Director,
Rail Infrastructure Development Company (Karnataka) Limited,
"SamparkaSoudha" , 1st Floor,
B.E.P Premises (Opp. Orion Mall),
Dr. Rajkumar Road,
Rajajinagar 1st Block,
Bangalore - 560 010

WHEREAS**,** Rail Infrastructure Development Company (Karnataka) Limited, hereinafter called the **Employer,** acting through ***[Insert Designation and address of the Employer's Representative]***, has accepted the bid of ***[Insert Name and address of the Contractor]***, hereinafter called the **Contractor,** for the work of ***[Insert Name of Work]***, vide Notification of Award No.***[Insert Notification of Award No.]***.

AND

WHEREAS, the contractor is required to furnish additional Performance Security for the sum of ***[Insert Value of additional Performance Security required]***, in the form of bank guarantee, being a condition precedent to the signing of the contract agreement.

WHEREAS, ***[Insert Name of the Bank]***, with its Branch ***[Address]*** having its Headquarters office at ***[Address]***, hereinafter called the **Bank,** acting through ***[Designation(s) of the authorised person of the Bank]***, have, at the request of the [Insert name of the JV/Consortium partner], a JV/Consortium partner on behalf of the contractor, agreed to give guarantee for additional performance security as hereinafter contained:

1 KNOW ALL MEN by these present that I/We the undersigned ***[Insert name(s) of authorized representatives of the Bank],***being fully authorized to sign and incur obligations for and on behalf of the Bank**,** confirm that the Bank, hereby, unconditionally and irrevocably guarantee to pay the Employer the full amount in the sum of ***[Insert Value of additional Performance Security required]***as above stated.

2 The Bank undertakes to immediately pay on presentation of demand by the Employer any amount up to and including aforementioned full amount without any demur, reservation or recourse. Any such demand made by the Employer on the Bank shall be final, conclusive and binding, absolute and unequivocal notwithstanding any disputes raised/ pending before any Court, Tribunal, Arbitration or any Authority or any threatened litigation by the Employer of Bank.

3 On payment of any amount less than aforementioned full amount, as per demand of the Employer, the guarantee shall remain valid for the balance amount i.e. the aforementioned full amount less the payment made to the Employer.

4 The Bank shall pay the amount as demanded immediately on presentation of the demand by Employer without any reference to the contractor and without the Employer being required to show grounds or give reasons for its demand or the amount demanded.

5 The Bank Guarantee shall be unconditional and irrevocable.

6 The guarantee hereinbefore shall not be affected by any change in the constitution of the Bank or in the constitution of the Contractor.

7 The Bank agrees that no change, addition, modifications to the terms of the Contract Agreement or to any documents, which have been or may be made between the Employer and the Contractor, will in any way release us from the liability under this guarantee; and the Bank, hereby, waives any requirement for notice of any such change, addition or modification to the Bank.

8 This guarantee is valid and effective from the date of its issue, which is ***[insert date of issue]***. The guarantee and our obligations under it will expire on ***[Insert the date twenty eight days after the expected end of defect liability period]***. All demands for payment under the guarantee must be received by us on or before that date.

9 The Bank agrees that the Employers right to demand payment of aforementioned full amount in one instance or demand payments in parts totaling up to the aforementioned full amount in several instances will be valid until either the aforementioned full amount is paid to the Employer or the guarantee is released by Employer before the Expiry date.

10 The Bank agrees that its obligation to pay any amount demanded by the Employer before the expiry of this guarantee will continue until the amount demanded has been paid in full.

11 The expressions Bank and Employer herein before used shall include their respective successors and assigns.

12 The Bank hereby undertakes not to revoke the guarantee during its currency, except with the previous consent in writing of the employer. This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758.

13 The Guarantee shall be in addition to and without prejudice to any other security Guarantee(s) of the contractor in favour of the Employer available with the Employer. The Bank, under this Guarantee, shall be deemed as Principal Debtor of the Employer.

Date …… ……
Place……. *[Signature of Authorised person of Bank]*

……..
[Name in Block letters]

……...
[Designation]

……..……
[P/Attorney] No.

……..
Bank's Seal

[P/Attorney] No.……

Witness:

1. *Signature*
   Name & Address & Seal

2. *Signature*
   Name & address & Seal

Note :

1 *All italicized text is for guidance on how to prepare this bank guarantee and shall be deleted from the final document.*

2 *In case the guarantee is issued by a foreign Bank, which does not have operations in India, the said bank shall have to provide a counter-guarantee by State Bank of India.*

3 *The Bank Guarantee should be duly attested by Notary public with notarial stamp of appropriate value affixed thereon.*

4 *In case the Contractor is a JV/Consortium, the additional Performance Security is required to be furnished on behalf of the JV/ Consortium in favour of the Employer by the JV/Consortium Partner(s) who is responsible for execution of schedule(s) (as per JV/Consortium agreement) against which additional Performance Security is required to be submitted in terms of ITB 35.5. All the Bank Guarantee of J/VConsortium Partners are liable to be encashed cumulatively.*

Advance Payment Security

[Refer Clause 14.2 of GCC]

(On non-judicial stamppaperofappropriatevalue in accordancewithstampAct. Thestamppaperto be in thenameofExecuting Bank)

From
[Name and Address of the Bank]

To
The Managing Director,
Rail Infrastructure Development Company (Karnataka) Limited,
"SamparkaSoudha" , 1st Floor,
B.E.P Premises (Opp. Orion Mall),
Dr. Rajkumar Road,
Rajajinagar 1st Block,
Bangalore - 560 010

Beneficiary: Rail Infrastructure Development Company (Karnataka) Limited.

Guarantee No.: *[…..reference number of the guarantee….]***Dated:** *[……..]*

WHEREAS, Rail Infrastructure Development Company (Karnataka) Limited**(hereinafter called the Employer)** has entered into Contract No. [….*reference number of the Contract….]*dated *[…….]* for the execution of *[name of the contract]* **(hereinafter called the Contract)** with*[….name of the Contractor….]***(hereinafter called the Contractor)**.

WHEREAS, according to the Conditions of the Contract, an advance payment is admissible to the contractor against submission of bank guarantee(s).

At the request of the Contractor, we *[….name of the Bank….]* with our branch at*[….address….],*having our Head Office at *[….address….]* ***(*hereinafter called the Bank)** have, at the request of *[.....Insert name of the JV partner.....]*, a JV partner on behalf of the Contractor, agreed to give the said guarantee as hereinafter contained:

1. KNOW ALL MEN by these present that I/We the undersigned *[….Insert name(s) of authorized representative(s) of the Bank….],* being fully authorized

to sign and incur obligations for and on behalf of the Bank**,** confirm that the Bank, hereby, unconditionally and irrevocably guarantees

to pay the Employer the sum of Rs.*[….value in figure….]*(Rupees [….*value in words….] only***(hereinafter called the Full Amount)**.

2. The Bank undertakes to immediately pay to the Employer, without any demur, reservation or recourse, any amount up to and including aforementioned full amount upon first written demand/demands from the Employer.

3. On payment of any amount less than aforementioned full amount, as per demand of the Employer, the guarantee shall remain valid for the balance amount i.e. the aforementioned full amount less the payment made to the Employer.

4. The Bank shall pay the amount so demanded without any reference to the contractor and without the Employer being required to show grounds or give reasons for its demand or the amount demanded.

5. The guarantee hereinbefore shall not be affected by any change in the constitution of the Bank, the Contractor or the Employer.

6. The Bank agrees that no change, addition, modification to the terms of the Contract Agreement or to any document, which have been or may be made between the Employer and the Contractor, will in any way release us from the liability under this guarantee; and the Bank, hereby, waives any requirement for notice of any such change, addition or modification to the Bank.

7. This guarantee is valid and effective from the date of it's issue, which is *[….date of issue….]*. The guarantee and our obligations under it will expire on dated ……..*[….Please refer note 4 & 5….]*. All demands for payment under the guarantee must be received by us on or before that date.

8. The Bank agrees that the Employer's right to demand payment of aforementioned full amount in one instance or demand payments in parts totaling up to the aforementioned full amount in several instances will continue until either the aforementioned full amount is paid to the Employer or the guarantee validity period expires.

9. The Bank agrees that it's obligation to pay any amount demanded by the Employer before the expiry of this guarantee will continue until the amount demanded has been paid in full.

10. The expressions Bank and Employer herein before used shall include their respective successors and assigns.

11. The Bank hereby undertakes not to revoke the guarantee during its currency, except with the previous consent in writing of the employer. This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758.

Dated[.....]

Place[.....]

……
(Signature of the Authorized Person of the Bank)

……
(Name in Block Letters)

……
(Designation)

……
(Bank's Seal)

……
(Authorization No.)

Witness:

……
1. *Signature, Name & Address*

……
2. *Signature, Name & Address*

Note:

1. *All italicized text in brackets [….text….] is for guidance on how to prepare this bank guarantee and shall be deleted from the final document.*

2. *In case the guarantee is issued by a foreign Bank, the said bank shall have operations in India and should be issued by Indian operations branch of the said bank.*

3. *The Bank Guarantee should be duly attested by Notary Public with notarial stamps of*
4. *appropriate value affixed thereon.*

5. ***Mobilization Advance under GCC 14.2.1**:*

(a) For Single Entity

For each Installment of Advance, two Bank Guarantees of equal amounts (each equal to half of the first installment of advance plus 10%) shall be furnished. Each Bank Guarantee shall be valid for the stipulated completion period of the contract.

OR

(b) For JV/Consortium

*For each Installment of Advance, individual JV/*Consortium *partner shall furnish Bank Guarantee equal to his share in the installment of Advance plus 10%. Each Bank Guarantee shall be valid for the stipulated completion period of the contract.*

6. ***Advance against Plant and Machinery under GCC 14.2.2:***

(a) For Single Entity

For each Installment of Advance, a Bank Guarantee equal to the installment of advance plus 10% shall be furnished. The Bank Guarantee shall be valid for the stipulated completion period of the contract.

OR

(b) For JV/Consortium

*For each Installment of Advance, individual JV/*Consortium *partner shall furnish a Bank Guarantee equal to his share in the installment of advance plus 10%. Each Bank Guarantee shall be valid for the stipulated completion period of the contract.*

FORM OF BANK GUARANTEE FOR RELEASE OF BALANCE RETENTION MONEY

(On non-judicial stamppaperoftheappropriatevalue in accordancewithstampAct. Thestamppaperto be in thenameofExecuting Bank).

From:

……..
…….*Name and Address of the Bank*…..
……..

To:

The Managing Director,
Rail Infrastructure Development Company (Karnataka) Limited,
"SamparkaSoudha" , 1st Floor,
B.E.P Premises (Opp. Orion Mall),
Dr. Rajkumar Road,
Rajajinagar 1st Block,
Bangalore - 560 010
.

a) WHEREAS**,** Rail Infrastructure Development Company (Karnataka) Limited, (hereinafter called the **Employer),** acting through ***[Insert Designation and address of the Employer's Representative]***, has entered into a contract with ***[Insert Name and address of the Contractor's Representative]***,, (hereinafter called the **Contractor),** for the work of ***[Insert Name of Work]***, vide Notification of Award No.***[Insert Notification of Award No.].***

b) WHEREAS as per conditions of contract Employer has deducted an amount of RS____***[Insert Amount deducted as retention money]***towards retention money till date, and WHEREAS now the contractor has requested the Employer for releasing the said amount on submission of a bank guarantee of equivalent amount which has been accepted by the Employer.****

OR

WHEREAS as per conditions of contract Employer has deducted an amount of RS____***[Insert Amount deducted as retention money]***towards retention money till date, out of a total amount of Rs____ [***Insert total Amount of retention money deductable as specified in the contract]***which is due to be deducted as retention money as per Contract agreement and WHEREAS now the Contractor has requested the Employer to accept a bank guarantee of the equivalent amount of the total retention money due as per contract agreement so that the amount already deducted may be released in favour of the contractor and that no further deduction towards retention money will be made in future which has been accepted by the Employer. ****

c) WHEREAS, ***[Insert Name of the Bank]***, with its Branch ***[Address]*** having its Headquarters office at ***[Address]***, hereinafter called the **Bank,** acting through

[Designation(s) of the authorised person of the Bank], have, at the request of the contractor, agreed to give guarantee as hereinafter contained:

1. KNOW ALL MEN by these present that I/We the undersigned ***[Insert name(s) of authorized representatives of the Bank],***being fully authorized to sign and incur obligations for and on behalf of the Bank**,** confirm that the Bank, hereby, unconditionally and irrevocably guarantee the Employer to pay the full amount in the sum of ***[Insert Value of the Bank Guarantee being submitted]*** as above stated.

2. The Bank undertakes to immediately pay to the Employer any amount up to and including aforementioned full amount upon written order/orders from the Employer without any demur, reservation or recourse.

3. On payment of any amount less than aforementioned full amount, as per demand of the Employer, the guarantee shall remain valid for the balance amount i.e. the aforementioned full amount less the payment made to the Employer.

4. The Bank shall pay the amount so demanded without any reference to the contractor and without the Employer being required to show grounds or give reasons for its demand or the amount demanded.

5. The guarantee hereinbefore shall not be affected by any change in the constitution of the Bank or in the constitution of the Contractor.

6. The Bank agrees that no change, addition, modifications to the terms of the Contract Agreement or to any documents, which have been or may be made between the Employer and the Contractor, will in any way release us from the liability under this guarantee; and the Bank, hereby, waives any requirement for notice of any such change, addition or modification to the Bank.

7. This guarantee is valid and effective from the date of it's issue, which is ***[insert date of issue]***. The guarantee and our obligations under it will expire on ***[Insert the date twenty eight days after the expected end of defect liability period.]***. All demands for payment under the guarantee must be received by us on or before that date.

8. The Bank agrees that the Employers right to demand payment of aforementioned full amount in one instance or demand payments in parts totaling up to the aforementioned full amount in several instances will continue

until either the aforementioned full amount is paid to the Employer or the guarantee expires.

9. The Bank agrees that it's obligation to pay any amount demanded by the Employer before the expiry of this guarantee will continue until the amount demanded has been paid in full.

10. The expressions Bank and Employer herein before used shall include their respective successors and assigns.

11. The Bank hereby undertakes not to revoke the guarantee during its currency, except with the previous consent in writing of the employer. This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758.

Date ……. ……
Place……. [*Signature of Authorised person of Bank]*
……
[Name in Block letters]
……..
[Designation]
……..
……[Address]……
…….

Witness :

1. *Signature*
   Name & Address & Seal
2. *Signature* *Bank's Seal*
   Name & address & Seal *Authorisation No……..*

Note :

1) *All italicized text is for guidance on how to prepare this bank guarantee and shall be deleted from the final document.*
2) *In case the guarantee is issued by a foreign Bank, the said bank shall have operations in India and should be countersigned by Indian operations branch of the said bank.*
3) *The Bank Guarantee should be duly attested by Notary public with notarial stamps of appropriate value affixed thereon.*
4) ***** strike out whichever is not applicable.*

INDEMNITY BOND FOR THE SAFE CUSTODY OF THE MATERIALS SUPPLIED BY THE CONTRACTOR

[Refer Clause 14.5 of GCC]

(To be executed on Non-Judicial Stamp Paper of Appropriate Value and notarized)

THIS INDEMNITY BOND made on this _____ day of _____ 20___ by _____(*insert the name of the Contractor and its registered address*) (hereinafter called "the Contractor") which expression shall where the context do admits or implies be deemed to include its executors, administrators and assigns, in favour of the Rail Infrastructure Development Company (Karnataka) Limited, Samparka Soudha" , 1st Floor, B.E.P Premises (Opp. Orion Mall),Dr. Rajkumar Road, Rajajinagar 1st Block, Bangalore - 560 010 (hereinafter called "K RIDE") on the other part.

WHEREAS by an Agreement/Letter of Acceptance No._____dated _____ (hereinafter called "the said agreement"), the Contractor has agreed to execute the _____(*Name of Work*) (hereinafter called "the Works") .

AND WHEREAS the Contractor has submitted to K RIDE/ the Engineer for payment on materials procured by him and brought to the site of the Works or his workshop for use in the Works.

AND WHEREAS K RIDE/ the Engineer has agreed to make advance/stage payment to the Contractor the total sum of Rs._____ (*in Figures*) [Rupees _____ (*in Words*) in Interim Payment Certificate (IPC) No._____, the quantities and other particulars of which are detailed in this IPC for the said works signed by the Contractor on _____ for the Materials brought by the Contractor to site of the works. Brief details are also mentioned in schedule 1 appended hereto.

NOW THIS INDEMNITY BOND WITNESS that in pursuance of the said agreement and in consideration of the sum of Rs. _____ (*in Figures*) _____ (*in Words*) on or before the execution of these presents to be paid to the Contractor by K RIDE so aforesaid, the Contractor doth hereby covenant and agree with K RIDE and declare as follows: -

1. That the said sum of Rs. _____ (*In Figures*) _____ (*in Words*) to be paid by K RIDE to the Contractor as aforesaid shall be utilized by the Contractor in or towards the execution of the said works and for no other purpose whatsoever.
2. That the Materials detailed in the said IPC which have been offered to and accepted by K RIDE/ the Engineer, are absolutely the Contractor's own property and free from encumbrances of any kind and the Contractor will not make any application for or receive any further payment on the Materials which are not

absolutely his own property and free from encumbrances of any kind, the Contractor indemnifies the K RIDE against all claims on any Materials in respect of which payment is to be made to him as aforesaid.

3. That the Contractor undertakes that the Materials shall be used exclusively for the performance / execution of the Contract strictly in accordance with the terms and conditions of the Contract and no part of the Materials shall be utilized for any other work or purpose whatsoever.

4. That the Contractor is obliged and shall remain absolutely responsible for the safe transit / protection and custody of the Materials against all risks whatsoever including acts of the God till the Materials are duly incorporated in the works, commissioned and are taken over by K RIDE/Railway (including surplus Materials, if required as instructed by K RIDE/ the Engineer) in accordance with the terms of the Contract. The Contractor undertakes to keep K RIDE harmless against any loss or damage that may be caused to the Materials.

5. That the said Materials shall not on any account be removed from the site of the works except with the written permission of K RIDE/ the Engineer. Further, K RIDE/ the Engineer shall always be free at all times to take possession of the materials in whatever form the materials may be in, if in its opinion, the Materials are likely to be endangered, mis-utilized or converted to uses other than those specified in the Contract, by any acts or omission or commission on the part of the Contractor or any other person or on account of any reason whatsoever and the Contractor binds himself and undertakes to comply with the directions of demand of K RIDE to return the Materials without any demur or reservation.

6. That the said materials shall, at all times, be open to inspection by K RIDE/ the Engineer or any authorized representative. In the event of the said material or any part thereof at any time being found to be in lesser quantity than for which payment has been released or the same has been stolen, destroyed or damaged or becoming deteriorated, the Contractor will forthwith replace the same or repair and make good the same as required by K RIDE/ the Engineer.

7. That making payment does not mean that Materials are of required specifications and quality or that whole of the quantity brought to site by Contractor will be used in the work. The Contractor is fully responsible for the materials to conform to required quality and specification and if at any time K RIDE/ the Engineer do not find the material satisfactory, the Contractor at his own cost would replace these. K RIDE/ the Engineer would be at liberty to recover cost of these from any dues of the Contractor. Also any Materials which are in excess of what is finally

required under the contract would be the Contractor's property without any liability on K RIDE/ the Engineer who would recover the cost of this from the Contractor.

8. That this INDEMNITY BOND is irrevocable. If at any time, any loss or damage occurs to the Materials or the same or any part thereof is mis-utilized in any manner whatsoever, then the Contractor hereby agrees that the decision of K RIDE/ the Engineer as to assessment of loss or damage to the Materials shall be final and binding on the Contractor. The Contractor binds itself and undertakes to replace the lost and/or damaged Materials at its own cost and/or shall pay the amount of loss to K RIDE without any demur, reservation or protest. This is without prejudice to any other right or remedy that may be available to K RIDE/ the Engineer against the Contractor under the Contract or under this Bank Guarantee.
9. That if the Contractor shall at any time make any default in the performance or observance in any respect of any of the terms and provisions of the said agreement or of those presents, the total amount of the payment shall immediately on the happening of such default be recovered by K RIDE/ the Engineer from any dues of Contractor. It is also clearly understood by the Contractor that non-observance of the obligations under this Indemnity Bond by the Contractor shall inter-alia constitute a criminal breach of trust on the part of the Contractor for all intents and purpose including legal / penal consequences.
10. IN WITNESS WHEREOF, the Contractor has hereunto set its hand through its authorized representative, the day, month and year first above mentioned.
11. SCHEDULE 1

Particulars of the Materials	Quantity	Value of the Materials

Signed, Sealed and Delivered by the said Contractor

(Contractor's Name)

Dated:…… (AUTHORISED SIGNATORY)

Place: …… SEAL OF COMPANY

IN THE PRESENCE OF:

WITNESS: SIGNATURE _____

NAME: _____

ADDRESS : _____

Note:

The contractor has the option to submit the INDEMNITY BOND *to cover all the items and quantities of Materials of stage payment or to submit* INDEMNITY BOND *each time the stage payment is to be taken or Materials advance is to be taken.*

Office of the……

No. Date:……...

WORK EXPERIENCE CERTIFICATE

To whom so ever it may concern
(Issued for the purpose of Quoting in K-RIDE tenders)

M/s/Sri …….. (Name and address of the contractor) is a working contractor of this unit and was awarded the following work. The relevant details of the work are as under: -

Sl.No	Description	Details
1	Name of work	
2	Acceptance Letter No and Date	
3	Agreement Number, date and name ofthe agency	
4	Agreement value in Rupees (in words and figures)	
5	Due date of completion	
6	Actual date ofcompletion of work	
7	Value of Final Bill if passed (in words)	
8	Work completed but Final measurements not recorded. a) Amount paid so far as in CC bill No.	
9	Work completed. Final measurements recorded with negative variation a) Amount so far paid as in CC bill No.	
10	Work completed. If Final measurements recorded with Positive variation which is not sanctioned yet. a) Original agreement value of Last sanctioned agreement value whichever is lower.	
11	Scope of work (Broad category of works i.e., the name of thework in the agreement on which work is	
12	Details of values of major components/ works executed in thecompleted work.	

Note:
The Certificate to satisfy similar work should be signed by an officer not lower than JAG officer in Railwaysand Executive Engineer rank or equivalent grade in other department of Govt. of India/State Government/PSUs of Government of India / State Undertaking and Competent Authority of Public Listed Company.

Signature :.....

Name of officer..... .....

Designation: .....

Address: .....

Office seal: .....

Phone/FAX No.: .....

Date : ……

ರೈಲು ಮೂಲಸೌಲಭ್ಯಅಭಿವೃದ್ಧಿ ಕಂಪನಿ (ಕರ್ನಾಟಕ) ನಿಯಮಿತ

रेल इन्फ्रास्ट्रक्चर डेवलपमेंट कंपनी (कर्नाटक) लिमिटेड

Rail Infrastructure Development Company (Karnataka) Limited
(A Joint Venture of Govt. of Karnataka & Ministry of Railways)

#8, 1st Floor, Samparka Soudha, Dr. Rajkumar Road,
Opposite Orion Mall, Rajajinagar 1st Block, Bengaluru-560010
Tele – 9535688982, web : www.kride.in, https://eproc.karnataka.gov.in

Price Proposal

"IMPLEMENTATION OF ERP-SAP/S-4 HANA SOLUTION"

The bill of Quantities should not be filled here, this is only for information.

Bill of Quantities should be uploaded through e-portal in Price bid and should not be attached in Technical Bid

Section 9	Bill of Quantities

I N D E X

SL. NO	Multiple Packages	Page No
1.	Bill Of Quantities	321-322

Section 9 | Bill of Quantities

Name of the Work : Implementation of ERP-SAP/S-4 HANA solution

Please provide your financial offer in following format only.

A. Implementation cost.

S.no	Description of Implementation cost	Amount (Inclusive of all taxes, duties and GST etc.)
1.	Total cost for Implementation and hypercare support.	
2.	Cost of SAP license	

Total (Rs.)		

B. Post Implementation Support.

S.no	Description of Post Implementation Support	Amount (Inclusive of all taxes, duties and GST etc.)
1.	On-Site Support (One Year)	
2.	License (ATS) Annual Technical Support cost	
Total (Rs.)		

C. Cloud hosting of Hardware.

S.no	Description of Cloud hosting	Amount (Inclusive of all taxes ,duties and GST etc.)
1.	Hardware hosting on Cloud charges till end of the one-year support.	
Total (Rs.)		

Grand Total Rs. (A. (Implementation cost) + B (Post Implementation Support)+C (Cloud hosting of hardware).)	
In words …….	

Note:

Procedure for evaluation of L1 bidder = A. (Implementation cost) + B (Post Implementation Support) + C (Cloud hosting hardware).