

CORRIGENDUM
(1st SET)

Corrigendum Dated 11.01.2022

Sl NO	Page No	Clause No:	Existing Clause	Amended as
1	14	3.2 (a) Section 2: ITT	Required average annual turnover (In all classes of civil engineering construction work only): The intending Tenderer/firm/ Company/Joint Venture should have achieved a MINIMUM AVERAGE ANNUAL CONSTRUCTION TURNOVER of Rs.664.00 Crores in last five Financial Years from 2016-17 to 2020-21.	Required average annual turnover (In all classes of civil engineering construction work only): The intending Tenderer/firm/ Company/Joint Venture should have achieved a MINIMUM AVERAGE ANNUAL CONSTRUCTION TURNOVER of Rs. 591.00 Crores in last five Financial Years from 2016-17 to 2020-21.
2	14	3.2 (b) (I) Section 2: ITT	The Tenderer/Firm/Company/JV should have satisfactorily completed at least one similar work such as "Work of execution of Elevated Viaduct / bridge / Elevated road bridge/ Elevated aqueduct excluding earthen approaches having sub-structure with pile/well/ open foundations and RCC piers and superstructure with prestressed concrete/Steel Composite for Metro Railway/ Railway/ High Speed Railway /Regional Railway/ Light Railway/ Highway" of value not less than Rs. 514.00 Crores at current FY: 2020-21 price level in the preceding five financial years. (FY 2016-17 to FY 2020-21) AND	The Tenderer/Firm/Company/JV should have satisfactorily completed at least one similar work such as "Work of execution of Elevated Viaduct / bridge/ Elevated road bridge/ Elevated aqueduct excluding earthen approaches having sub-structure with pile/well/ open foundations and RCC piers and superstructure with prestressed concrete/Steel Composite/ superstructure with Pre-cast RCC girders for Metro Railway/ Railway/ High Speed Railway /Regional Railway/ Light Railway/ Highway" of value not less than Rs. 465.00 Crores at current FY: 2020-21 price level in the preceding five financial years. (FY 2016-17 to FY 2020-21) AND
3	14	3.2 (b) (II) Section 2: ITT	The Tenderer/Firm/Company/JV should have satisfactorily completed at least one similar work such as "Work of execution of Earthwork in embankment & cutting/ Major bridges/ RUB /ROB /Retaining wall / drains for Metro Railway/ Light Railway/ High Speed Railway /Regional Railway/ Light Railway/ Highway/Irrigation sector" of value not less than Rs. 244.00	The Tenderer/Firm/Company/JV should have satisfactorily completed at least one similar work such as "Work of execution of Earthwork in embankment & cutting/ Major bridges/ Minor bridges/ RUB /ROB /Retaining wall / drains for Metro Railway/ Railway/ High Speed Railway /Regional Railway/ Light Railway/ Highway/Irrigation sector" of value not less than Rs. 244.00

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4	16	3.2 (d), Section 2: ITT	<p>Highway" of value not less than Rs. 283.00 Crores at current FY: 2020-21 price level in the preceding five financial years. (FY 2016-17 to FY 2020-21).</p> <p>The intending Tenderer / firm/ company / Joint Venture should have executed all the components within last five financial years. (FY 2016-17 to FY 2020-21)</p> <p>"Detailed Design Experience: Should have Completed the Detailed Design work of Elevated Metro viaduct/Railway Viaduct / High speed railway viaduct/highway bridges for at least 5 Km including Pile, pile cap, Open foundations, RCC piers, super structure with pre-stressed concrete segmental work, steel composite girders in one contract (This can be met through Nominated/Identified subcontractor who has experience in this type of work)"</p>	<p>Crores at current FY: 2020-21 price level in the preceding five financial years. (FY 2016-17 to FY 2020-21).</p> <p>The intending Tenderer / firm/ company / Joint Venture should have executed all the components within last five financial years. (FY 2016-17 to FY 2020-21)</p> <p>"Detailed Design Experience: Should have Completed the Detailed Design work of Elevated Metro viaduct/Railway Viaduct / High speed railway viaduct/highway bridges for at least 5 Km including Pile, pile cap, Open foundations, RCC piers, super structure with pre-stressed concrete segmental work, steel composite girders in two contracts (This can be met through Nominated/Identified subcontractor who has experience in this type of work)"</p>
5	20	3.3 (b), Section 2: ITT	<p>LIQUID ASSETS: The Tenderer / firm/company/Joint Venture should furnish details of liquid assets and or availability of credit facilities of Rs. 148.00 Crores for the work mentioned above for meeting the required funds in the form of own funds /credit lines / certificate from scheduled Nationalized Bank. The Tenderer shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit and other financial means (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements for the subject contract in the event of stoppage, startup, or other delays in payment, of the minimum estimated amount stated above, net of the applicant's commitments for other contracts.</p>	<p>LIQUID ASSETS: The Tenderer / firm/company/Joint Venture should furnish details of liquid assets and or availability of credit facilities of Rs. 131.00 Crores for the work mentioned above for meeting the required funds in the form of own funds /credit lines / certificate from scheduled Nationalized Bank. The Tenderer shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit and other financial means (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements for the subject contract in the event of stoppage, startup, or other delays in payment, of the minimum estimated amount stated above, net of the applicant's commitments for other contracts.</p>
6	23	3.6, section 2 : ITT	<p>BID CAPACITY: Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their</p>	<p>BID CAPACITY: Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their</p>


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7	10.2, Section 2: ITT	available tender capacity is more than Rs 697 Cr. The available tender capacity will be calculated as under: Tenderers submitting tenders together with other contracts stated in the ITT to form a package will so indicate in the tender together with any discounts/rebate offered for the award of more than one contract.	available tender capacity is more than Rs 620 Cr. The available tender capacity will be calculated as under: Deleted.
8	18.4, Section 2: ITT	Tenderers may only modify the prices of their Tenders by submitting Tender modifications in accordance with this clause, or included in the original Tender submission.	Deleted.
9	25.2 (b), Section 2: ITT	Making appropriate adjustments to reflect discounts/rebate or other price modifications offered in accordance with Sub Clause 18.5.	Deleted.
10	11.5, Section 2: ITT (Additional ITT)	<p>Tender Prices and Discounts</p> <ul style="list-style-type: none"> The prices quoted by the Tenderer in the Letter of Price Tender (LPB) and in the Price Schedule shall conform to the requirements specified below. In the Price Schedule, the amount against each schedule are to be quoted. From this, price of such schedules has been worked out and indicated in the summary sheet in the Price Schedule. The Tenderer shall quote lumpsum amount in figures and words as per format for such schedule in the summary sheet. The Tenderer shall fill in the amount against each schedule of the price schedule. Items against which no amount or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed to be 	<p>Tender Prices and Discounts</p> <ul style="list-style-type: none"> The prices quoted by the Tenderer in the Letter of Price Tender (LPB) and in the Price Schedule shall conform to the requirements specified below. In the Price Schedule, the amount against each schedule are to be quoted. From this, price of such schedules has been worked out and indicated in the summary sheet in the Price Schedule. The Tenderer shall quote lumpsum amount in figures and words as per format for such schedule in the summary sheet. The Tenderer shall fill in the amount against each schedule of the price schedule. Items against which no amount or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed to be

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		<p>no amount or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed to be covered by the lumpsum amount quoted in the Price Schedule.</p> <ul style="list-style-type: none"> The price to be quoted in the Letter of Price Tender, in accordance with ITT, shall be the total price of the Tender. The Tenderer shall quote any unconditional discounts/rebate and the methodology for their application (the discounts/rebate, and the methodology of their application, should be quoted on prices quoted in the Tender so that the discounts/rebate can be evaluated by simple arithmetic calculation during financial evaluation of the Tenders, to arrive at the net total price of the Tender. If the net total price cannot be calculated after application of the methodology of the discount(s) /rebate quoted, the Tender shall be considered as incomplete and will be rejected) in the Letter of Price Tender, in accordance with ITT. However, any conditional discount/rebate if any offered for award of contract package has to be quoted separately as applicable in Letter of Price Tenders. If Tenderer is not offering any discount/rebate for award of combination of contract package, then Tenderer has to quote NIL (zero) discount/rebate offered. The Tenderer can modify his/her Tender and resubmit it any number of times through Karnataka Public Procurement Portal before the 	<p>covered by the lumpsum amount quoted in the Price Schedule.</p> <ul style="list-style-type: none"> The price to be quoted in the Letter of Price Tender, in accordance with ITT, shall be the total price of the Tender. Deleted. The Tenderer can modify his/her Tender it any number of times through Karnataka Public Procurement Portal before the deadline for submission of Tenders. Any other correspondence in connection with the Tender is not permissible and shall not be considered in Tender evaluation. Unless otherwise provided in the ITT and the Contract, the lumpsum amount quoted by the Tenderer 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 weightages for the price adjustment formulae shall be as specified in the Tables of Adjustment Data included in Contract Data. Deleted. All duties, taxes including GST, royalties, cess and other levies payable by the Contractor under the Contract, or for any other cause (including standard specifications), as of the date 28 days prior to the deadline for submission of Tenders, shall be included in the lumpsum amount of Price Schedule and the total Tender Price submitted by the Tenderer. GST shall be paid by the Tenderer as applicable
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		<p>deadline for submission of Tenders. Any other correspondence in connection with the Tender is not permissible and shall not be considered in Tender evaluation.</p> <ul style="list-style-type: none"> Unless otherwise provided in the ITT and the Contract, the lumpsum amount quoted by the Tenderer 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 weightages for the price adjustment formulae shall be as specified in the Tables of Adjustment Data included in Contract Data. If so, indicated in ITT 1, Tenders are being invited for individual contracts or for any combination of contracts (packages). Tenderers wishing to offer any price reduction for the award of more than one Contract shall specify in their Tender the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Price reductions or discounts/rebate shall be submitted in accordance with ITT, provided the Tenders for all contracts are submitted and opened at the same time. All duties, taxes including GST, royalties, cess and other levies payable by the Contractor under the Contract, or for any other cause (including standard specifications), as of the date 28 days prior to the deadline for submission of Tenders, shall be included in the lumpsum amount of Price Schedule and the total Tender Price submitted by the Tenderer. GST 	<p>in accordance with the prevailing rules of Government of India.</p> <ul style="list-style-type: none"> Tenderers 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/ITT (Currencies of Bid and Payment) of the Conditions of Contract. Any such adjustment shall be affected by comparing the percentages quoted in the Tender with the amounts already used in the Works and the Contractor's future needs for imported items. Tenderer should note that non-submission of the Letter of Price Tender (LPB) by the Tenderer shall result in summary rejection of his Tender. <p>Online alternative Price Tender corresponding to the alternative Technical Tender, if permissible, in accordance with ITT Clause 14;</p>
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			<p>shall be paid by the Tenderer as applicable in accordance with the prevailing rules of Government of India.</p> <ul style="list-style-type: none"> Tenderers 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/ITT (Currencies of Bid and Payment) of the Conditions of Contract. Any such adjustment shall be affected by comparing the percentages quoted in the Tender with the amounts already used in the Works and the Contractor's future needs for imported items. Tenderer should note that non-submission of the Letter of Price Tender (LPB) and Summary sheet of Price Schedule by the Tenderer shall result in summary rejection of his Tender. <p>Online alternative Price Tender corresponding to the alternative Technical Tender, if permissible, in accordance with ITT Clause 14;</p>	Deleted.
11	49	24.4 (f), Section 2: ITT (Additional ITT)	<p>The amount for each schedule shall first be calculated after applying discount(s) /rebate to the Schedule and the net amount shall be rounded off to a Rupee. Thereafter, evaluated price of the schedules shall be added as the sum of amounts in grand summary sheet and sum of evaluated prices of all schedules shall be the overall Evaluated Tender Price.</p>	

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12	66	Form PS-2 (Letter of price Bid), para-c, section 3: Qualification information (Bidding forms)	The total price of our Bid is indicated in the Price Bid section: 9 Price schedule.	The total price of our Bid is indicated in the Price Schedule in e-procurement portal.
13	259	Para (g) Section: 8A- Part-1	Two ROB's (1X60m span cable stay/Suspension bridge, 1X30m span cable stay/Suspension bridge)	The cable stay bridges/suspension bridge option is deleted. For ROB 410A, the spans are 35m and 27m approximately with PSC box girder or steel I girder with slab shall be used. For ROB 408B the spans are 30m approximately with PSC box girder or steel I girder with slab (composite steel I girder) shall be used. The decision of Employer is final as per the Railway requirement.
14	265	Para 29, Section: 8A- Part-1	Pile caps / Open Foundations (M35 Grade) resting at any depth depending upon the site condition shall include excavation, leveling course, PCC, dewatering, sheet piling/soldier piling & wooden lagging, if required, Backfilling complete in all respects. Driving 'Z' section MS sheet piles by using 8mm to 10mm thickness, side by side in all kinds of soil mechanically using vibro hammer / suitable means/manually as per directions of Engineer-in-charge for earthwork excavation in foundations for all depths and removing the sheet piles after the work.	Pile caps / Open Foundations (M35 Grade) resting at any depth depending upon the site condition shall include excavation, levelling course, PCC, dewatering, sheet piling/soldier piling & wooden lagging, suitable shoring if required, Backfilling complete in all respects as per directions of Engineer-in-charge for earthwork excavation in foundations for all depths and removing the sheet piles after the work.
16	268	Para 47 Section: 8A- Part-1	Pre-cast: Providing and laying M40 reinforced cement concrete parapet, over Deck slab on both side of viaduct, including transition span (straight or curved), pre-cast drains, cable troughs, crash barriers etc., in the casting yard including provision of lifting the elements from the mould and shifting the same to the stacking yard. The Lumpsum price shall be inclusive of all infrastructures in the casting yard, gantry cranes, moulds, shuttering, casting beds, mobile	Pre-cast: Providing and laying M40 reinforced cement concrete using 20 mm graded aggregates for precast parapet, over Deck slab on both side of viaduct, including transition span (straight or curved), pre-cast drains, crash barriers etc., in the casting yard including provision of lifting the elements from the mould and shifting the same to the stacking yard. The Lumpsum price shall be inclusive of all infrastructures in the casting yard, gantry cranes, moulds, shuttering, casting beds, mobile cranes, stores, concrete batching plant, testing labs, approved curing

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		cranes, stores, concrete batching plant, testing labs, approved curing arrangements as required. The Lumpsum price shall be inclusive of shuttering, scaffolding, special adjustable props for alignment of units, moulds, providing cut outs, required dosage of admixture for concrete. The Lumpsum price shall also include of Loading, transporting precast parapets and other elements from casting yard to work site, launching and erection in position using gantry or crane complete with cast in situ stitch concrete of same grade. The Lumpsum price is inclusive of providing bolts & inserts for fixing hand rails. The Lumpsum price inclusive of providing K RIDE logo in parapet.	arrangements as required. The Lumpsum price shall be inclusive of shuttering, scaffolding, special adjustable props for alignment of units, moulds, providing cut outs, required dosage of admixture for concrete. The Lumpsum price shall also include of Loading, transporting precast parapets and other elements from casting yard to work site, launching and erection in position using gantry or crane complete with cast in situ stitch concrete of same grade. The Lumpsum price is inclusive of providing bolts & inserts for fixing hand rails. The Lumpsum price inclusive of providing K RIDE logo in parapet.
17	260	Para (r) Section: 8A-Part-1	The special spans in Yeshwantpur Yard for single track are shown in tender drawings and tentative. The approximate spans are 50m, 42m, 35m, 50m, 40m, 44m, for single tracks composite girders. The Open web girders for 65m span and 67m span for single track are also included. The span length may vary during detail designing and the tender drawings are tentative.
18	276	Para (6) Section: 8A-Part-1	The retaining wall height varies from section to section and approximately 1m to 8m and for any variations nothing shall be paid extra.
19	276	Para (7) Section: 8A-Part-1	Pre-cast: Providing and laying M40 reinforced cement concrete using 20 mm graded aggregates for precast parapet, pre-cast drains, cable troughs, crash barriers etc., in the casting yard including provision of lifting the elements from the mould and shifting the same to the stacking yard. The Lumpsum price

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20	276	Para (8) Section: 8A- Part-1	<p>The Lumpsum price shall be inclusive of all infrastructures in the casting yard, gantry cranes, moulds, shuttering, casting beds, mobile concrete batching plant, testing labs, stores, approved curing arrangements as required. The Lumpsum price shall be inclusive of shuttering, scaffolding, special adjustable props for alignment of units, moulds, providing cut outs, required dosage of admixture for concrete. The Lumpsum price shall also inclusive of Loading, transporting precast parapets and other elements from casting yard to work site, launching and erection in position using gantry or crane complete with cast in situ concrete of same grade. The Lumpsum price is inclusive of providing bolts & inserts for fixing hand rails. The Lumpsum price inclusive of providing K RIDE logo in parapet.</p>	<p>shall be inclusive of all infrastructures in the casting yard, gantry cranes, moulds, shuttering, casting beds, mobile concrete batching plant, testing labs, approved curing arrangements as required. The Lumpsum price shall be inclusive of shuttering, scaffolding, special adjustable props for alignment of units, moulds, providing cut outs, required dosage of admixture for concrete. The Lumpsum price shall also inclusive of Loading, transporting precast parapets and other elements from casting yard to work site, launching and erection in position using gantry or crane complete with cast in situ concrete of same grade. The Lumpsum price is inclusive of providing bolts & inserts for fixing hand rails. The Lumpsum price inclusive of providing K RIDE logo in parapet.</p>
21	277	Para (15) Section: 8A- Part-1	<p>Manufacture, provide and fixing concrete canvas i.e., concrete in impregnate fabric CC-5 or similar with 5mm thickness for wall reinforcement for embankment to resist seepage of water inside the structure as directed by Engineer. The concrete canvas i.e., concrete impregnate fabric CC-5 as per specifications must be laid in proper way with all required fixtures & fastening as complete job as per instructions and satisfaction of engineer in charge with contractors' own materials, labour, tool, lead, lift TNP etc.,</p>	Deleted.
21	277	Para (15) Section: 8A- Part-1	Providing and laying Jute Geo-Textile (JGT) in slopes of Railway embankment in accordance with RDSO's guidelines for application of Jute Geotextile in Railway	Deleted.


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22	278	Para (21) Section: 8A- Part-1	<p>embankments, cutting and hill slopes no. RDSO/2007/GE: G-0008 or its subsequent versions.</p> <p>Supplying, laying Non-woven Needle Punched and Mechanically or Thermally bonded type Geotextile for use as Separator/Filtration for Railway formation as per RDSO Specification No. RDSO/2018/GE: IRS-0004 - Part I made of Polypropylene / Polyethylene / Polyamide or combination thereof having apparent opening size of \leq 85 microns and elongation at failure $>$ 50% in both directions including transportation labour, lead & lift complete as directed by Engineer. On top of subgrade or prepared subgrade or prepared subgrade before laying blanketing layer with minimum strengths in Grab test, Trapezoidal Tear test and Puncture test of 700N, 250 N and 1800 N respectively. Below the ballast and above blanket layer with minimum strengths in Grab test, Trapezoidal Tear test and Puncture test of 1750N, 800 N and 5800 N respectively. (Geotextile one layer below blanket of 14.200 Km length of formation width and another layer below ballast of 4.00 Km length of formation width)</p>	<p>Supplying, laying Non-woven Needle Punched and Mechanically or Thermally bonded type Geotextile for use as Separator/Filtration for Railway formation as per RDSO Specification No. RDSO/2018/GE: IRS-0004 - Part I made of Polypropylene / Polyethylene / Polyamide or combination thereof having apparent opening size of \leq 85 microns and elongation at failure $>$ 50% in both directions including transportation labour, lead & lift complete as directed by Engineer. On top of subgrade or prepared subgrade before laying blanketing layer with minimum strengths in Grab test, Trapezoidal Tear test and Puncture test of 700N, 250 N and 1800 N respectively. Below the ballast and above blanket layer with minimum strengths in Grab test, Trapezoidal Tear test and Puncture test of 1750N, 800 N and 5800 N respectively. (Geotextile one layer below blanket of 14.200 Km length of formation width).</p>
23	278	Para (22) Section: 8A- Part-1	<p>Geogrid to be used as reinforcement/ Stabilization for Railway formation as per RDSO specification No. RDSO/2018/GE: IRS-0004 PART-III. (The tentative length of Geogrid of 4Km of formation width is considered).</p> <p>a. Material/Polymer: Polypropylene b. Tensile strength at 2% strain. For use below blanket in new line: 9KN/m X 9KN/m c. Strain at ultimate tensile strength: 6-15%</p>	Deleted.


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25	278	Para (23) Section: 8A- Part-1	A layer of hot mix asphalt (as per design subject to minimum 3 inch) over the formation below the ballast at bridge approaches and junction points of ramps (approximate length of 3.35 Km of formation width) to be provided as per the following specification.	Deleted.
26	279	Para (25) Section: 8A- Part-1	The Geo-grid to be used below the blanket layer as a reinforcement/ Stabilization for Railway formation (Specification No: RDSO/2018/GE: IRS-0004- PART-3, Feb-2020 is given in technical specifications.	Deleted.
	279	Para (26) Section: 8A- Part-1	Supplying & placing of Mechanically Woven Double Twisted Hexagonal Shaped Wire Mesh Gabion Boxes of required sizes, Mesh Type 10cm x 12cm, Zn and PVC coated Mesh Wire dia.2.7/3.7mm (ID/OD), edges of	Deleted.

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27	280	Para (34) Section: 8A- Part-1	meshes mechanically edged / selvedge with heavy coating for earth retaining structure temporarily.	Deleted.
28	280	Para (35) Section: 8A- Part-1	Supplying & laying of drainage composite for use behind abutments, wing walls, return walls and retaining in walls Geo composite drain (Vertical) as per Specification, with all material, labour, equipment, tools and plants, lead, lift etc. complete in all respects as per the direction of Engineer.	Deleted.
29	280	Para (36) Section: 8A- Part-1	Providing and laying Pitching with stone boulders weighing not less than 35 kg each with the voids filled with cement sand mortar 1:4 on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per technical specifications.	Deleted.
30	281	Para (1) Section: 8A- Part-1	Drilling holes up to required diameter or 32 MM diameter, providing Weep Holes in stone masonry/Plain/ Reinforced concrete abutment, wing wall, return wall with 100 mm AC pipe extending through the full width of the structure with slope of 1V:20H towards drawing force.	Deleted.
			Two ROB's 408 B & 410 A at km. 8/800-900 and at km. 8/100-8/100-200 respectively between Jalahalli and Chikkabanvara are proposed to be reconstructed. The cable stay bridges/suspension bridge option is deleted. For ROB 410A, the spans are 35m and 27m approximately with PSC box girder or steel I girder with slab shall be used. For ROB 408B the spans are 30m approximately with PSC box girder or steel I	

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31	283	Para (18) Section: 8A- Part-1	Pre-cast: Providing and laying M40 reinforced cement concrete using 20 mm graded aggregates for precast parapet, pre-cast drains, cable troughs, crash barriers etc., in the casting yard including provision of lifting the same to the stacking yard. The Lumpsum price shall be inclusive of all infrastructures in the casting yard, gantry cranes, moulds, shuttering, casting beds, mobile cranes, stores, concrete batching plant, approved curing arrangements as required. The Lumpsum price shall be inclusive of shuttering, scaffolding, special adjustable props for alignment of units, moulds, providing cut outs, required dosage of admixture for concrete. The Lumpsum price shall also inclusive of Loading, transporting precast parapets and other elements from casting yard to work site, launching and erection in position using gantry or crane complete with cast in situ concrete of same grade. The Lumpsum price is inclusive of providing bolts & inserts for fixing hand rails. The Lumpsum price inclusive of providing K RIDE logo in parapet.	girder with slab (composite steel I girder) shall be used. The decision of Employer is final as per the Railway requirement. Pre-cast: Providing and laying M40 reinforced cement concrete using 20 mm graded aggregates for precast parapet, pre-cast drains, crash barriers etc., in the casting yard including provision of lifting the elements from the mould and shifting the same to the stacking yard. The Lumpsum price shall be inclusive of all infrastructures in the casting yard, gantry cranes, moulds, shuttering, casting beds, mobile cranes, stores, concrete batching plant, testing labs, approved curing arrangements as required. The Lumpsum price shall be inclusive of shuttering, scaffolding, special adjustable props for alignment of units, moulds, providing cut outs, required dosage of admixture for concrete. The Lumpsum price shall also inclusive of Loading, transporting precast parapets and other elements from casting yard to work site, launching and erection in position using gantry or crane complete with cast in situ stitch concrete of same grade. The Lumpsum price is inclusive of providing bolts & inserts for fixing hand rails. The Lumpsum price inclusive of providing K RIDE logo in parapet.
32	284	Para (26) Section: 8A- Part-1	Supplying & laying of drainage composite for use behind abutments, wing walls, return walls and retaining in walls Geo composite drain (Vertical) as per Specification, with all material, labour, equipment, tools and plants, lead, lift etc. complete in all respects as per the direction of Engineer.	Deleted.


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33	291-294	Para (26) Section: 8A- Part-1	Instrumentation of bridges and viaduct.	Deleted.
34	295	Para (40) Section: 8A- Part-1	Pre-cast: Providing and laying M40 reinforced cement concrete using 20 mm graded aggregates for precast parapet, over Deck slab on both side of viaduct, including transition span (straight or curved), pre-cast drains, cable troughs, crash barriers etc., in the casting yard including provision of lifting the elements from the mould and shifting the same to the stacking yard. The Lumpsum price shall be inclusive of all infrastructures in the casting yard, gantry cranes, moulds, shuttering, casting beds, mobile cranes, stores, concrete batching plant, testing labs, approved curing arrangements as required. The Lumpsum price shall be inclusive of shuttering, scaffolding, special adjustable props for alignment of units, moulds, providing cut outs, required dosage of admixture for concrete. The Lumpsum price shall also inclusive of Loading, transporting precast parapets and other elements from casting yard to work site, launching and erection in position using gantry or crane complete with cast in situ stitch concrete of same grade. The Lumpsum price is inclusive of providing bolts & inserts for fixing hand rails. The Lumpsum price inclusive of providing K RIDE logo in parapet.	Pre-cast: Providing and laying M40 reinforced cement concrete using 20 mm graded aggregates for precast parapet, over Deck slab on both side of viaduct, including transition span (straight or curved), pre-cast drains, crash barriers etc., in the casting yard including provision of lifting the elements from the mould and shifting the same to the stacking yard. The Lumpsum price shall be inclusive of all infrastructures in the casting yard, gantry cranes, moulds, shuttering, casting beds, mobile cranes, stores, concrete batching plant, testing labs, approved curing arrangements as required. The Lumpsum price shall be inclusive of shuttering, scaffolding, special adjustable props for alignment of units, moulds, providing cut outs, required dosage of admixture for concrete. The Lumpsum price shall also inclusive of Loading, transporting precast parapets and other elements from casting yard to work site, launching and erection in position using gantry or crane complete with cast in situ stitch concrete of same grade. The Lumpsum price is inclusive of providing bolts & inserts for fixing hand rails. The Lumpsum price inclusive of providing K RIDE logo in parapet.
35	298	Para (69) Section: 8A- Part-1	Supplying & laying of drainage composite for use behind abutments, wing walls, return walls and retaining in walls Geo composite drain (Vertical) as per Specification, with all material, labour, equipment, tools and plants, lead, lift etc. complete in all respects as per the direction of Engineer.	Deleted.

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36	299	Para (73) Section: 8A- Part-1	Excavation along the alignment of signalling cable OFC/Power cable carefully and exposing the same without any damage, and excavating the new trench along the railway alignment or along the alignment as specified by the railway Engineer-in-charge, laying of removed cable, filling up all complete with sand and laying a layer of brick with, contractor's own material, tools and plants etc. as directed by the Engineer-in-charge. NOTE: In case the cable is damaged cost of restoration and the cost of cable will be recovered from the contractor. The decision of the railway with regard the cost to be recovered will be final.	Deleted.
37	304	Para (116) Section: 8A- Part-1	Providing and laying non-pressure NP3 class (medium duty) R.C.C. pipes including bends etc. with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1cement: 2fine sand) including testing of joints etc. complete up to 800mm: 600mm, 900mm dia. R.C.C. pipe.	Deleted. These items shall be operated under schedule-C of Price schedule.
38	304	Para (119) Section: 8A- Part-1	Supplying & constructing granite/basalt rubble masonry in CM 1:3 for foundation/ sub structure for drain walls, retaining walls, return walls, toe wall etc., as per drawing.	Deleted. These items shall be operated under schedule-C of Price schedule.
39	311	Para (B) Section: 8A- Part-1	Two ROBs 408 B & 410A at km. 8/800-900 and at km. 8/100-200 respectively between Jalahalli and Chikkabanvara are proposed to be reconstructed as Cable stay bridge / Suspension bridge for bridge no: 410A and Bridge no:408B as part of this work.	Two ROBs 408 B & 410 A at km. 8/800-900 and at km. 8/100-200 respectively between Jalahalli and Chikkabanvara are proposed to be reconstructed. The cable stay bridges/suspension bridge option is deleted.


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40	313	Para (l) Section: 8A-Part-1	<p>Providing footways with provision for cable ducts, parapet walls, verges, expansion joints, drainage spouts/down take pipes in station building / track supporting structures and approach ramp, taking suitable measures for the smooth flow of traffic on road/IR track, including arrangements for OHE, Signaling and Telecommunication structures including Automatic Fare Collection system as specified or as directed.</p> <p>The Architectural finishes, MEP works, Track, OHE, Signaling & Telecommunication structures including Automatic Fare Collection structures themselves are excluded from the scope of the bid, but civil works required for fixing the structures is included, and shall be done in co-ordination with the respective Engineer /Contractor. The necessary interfacing / liasoning and arrangements for the same will have to be done by the bidder and shall form part of the total work. Inserts for Electrical, OHE, signaling etc., to be provided as per drawing and shall be paid in the relevant item.</p>	<p>Providing footways with provision for cable ducts, parapet walls, verges, expansion joints, drainage spouts/down take pipes in station building / track supporting structures and approach ramp, taking suitable measures for the smooth flow of traffic on road/IR track as specified or as directed.</p> <p>The Architectural finishes, MEP works, Track, OHE, Signaling & Telecommunication structures including Automatic Fare Collection structures themselves are excluded from the scope of the bid, but civil works required for fixing the structures is included, and shall be done in co-ordination with the respective Engineer /Contractor. The necessary interfacing / liasoning and arrangements for the same will have to be done by the bidder and shall form part of the total work. Inserts for Electrical, OHE, signaling etc., to be provided as per drawing and shall be paid in the relevant item.</p>
41	313	Para (r, s, t) Section: 8A- Part-1	<p>r) Construction of underground water tank and its water proofing work & testing.</p> <p>s) Water proofing work of Toilet portion slab & testing</p> <p>t) Construction of Pump room, DG room, Rain water harvesting system, etc.</p>	<p>r) Deleted.</p> <p>s) Deleted.</p> <p>t) Rain water harvesting system, etc.</p>
42	316	Para (9.4.6)-IV Section: 8A- Part-1	<p>The contractor shall undertake the work involving Railway track, Railway Electrification installations in co-ordination with the Engineer and Railways in accordance with the programme of work. Where traffic / power blocks are involved, the Contractor shall ensure that</p>	<p>Deleted.</p>

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	43	21-22	<p>Section:2 ITT clause: 3.3 c) and appendix 4 of section 8A</p>	<p>interruption to Railway operations, if any, is kept to the bare minimum level.</p> <p>Designation Deputy Project Manager/ Construction Manager</p> <p>Qualification: Bachelor's Degree in Civil Engineering/Diploma in civil engineering.</p> <p>Experience level: a) Bachelor's Degree in Civil Engineering Minimum 12 years total experience and 5-year experience in the role of Construction Manager in the execution. b) Diploma in civil engineering Minimum 15 years total experience and 8-year experience in the role of Construction Manager in the execution</p>	<p>Designation Senior Civil Engineer</p> <p>Qualification: Bachelor's Degree in Civil Engineering/ Diploma in civil engineering</p> <p>Experience level Total minimum experience 7 Years and 10 years for diploma in relevant field.</p>	<p>Designation Civil Engineer</p> <p>Qualification: Bachelor's Degree in Civil Engineering/ Diploma in civil engineering</p> <p>Experience level a) Bachelor's Degree in Civil Engineering Total minimum experience 5 Years. b) Diploma in civil engineering Minimum 8 years</p>
44	21-22	<p>Section:2 ITT clause: 3.3 c) and appendix 4 of section 8A</p>	<p>Designation Senior Civil Engineer</p> <p>Qualification: Bachelor's Degree in Civil Engineering</p> <p>Experience level Total minimum experience 7 Years and 10 years for diploma in relevant field.</p>	<p>Designation Senior Civil Engineer</p> <p>Qualification: Bachelor's Degree in Civil Engineering/ Diploma in civil engineering</p> <p>Experience level Total minimum experience 7 Years and 10 years for diploma in relevant field.</p>	<p>Designation Civil Engineer</p> <p>Qualification: Bachelor's Degree in Civil Engineering</p> <p>Experience level Total minimum experience 5 Years</p>	
45	21-22	<p>Section:2 ITT clause: 3.3 c) and appendix 4 of section 8A</p>	<p>Designation Civil Engineer</p> <p>Qualification: Bachelor's Degree in Civil Engineering</p> <p>Experience level Total minimum experience 5 Years</p>	<p>Designation Civil Engineer</p> <p>Qualification: Bachelor's Degree in Civil Engineering/ Diploma in civil engineering</p> <p>Experience level a) Bachelor's Degree in Civil Engineering Total minimum experience 5 Years. b) Diploma in civil engineering Minimum 8 years</p>	<p>Designation Civil Engineer</p> <p>Qualification: Bachelor's Degree in Civil Engineering/ Diploma in civil engineering</p> <p>Experience level a) Bachelor's Degree in Civil Engineering Total minimum experience 5 Years. b) Diploma in civil engineering Minimum 8 years</p>	

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46	16	Section 2-ITT-Cl. 3.2 (d)	Section 2-ITT-Cl. 3.2 (d) Pg.No.16 In C-2 tender document-Final, In Cl 3.2 d - qualification criteria say "Detailed Design Experience: Should have Completed the Detailed Design work of Elevated Metro viaduct for at least 5 Km including Pile, pile cap, Open foundations, RCC piers, super structure with pre-stressed concrete segmental work, steel composite girders in one contract (This can be met through Nominated/Identified subcontractor who has experience in this type of work)"	Section 2-ITT-Cl. 3.2 (d) Pg.No.16 In C-2 tender document-Final, In Cl 3.2 d - qualification criteria say "Detailed Design Experience: Should have Completed the Detailed Design work of Elevated Metro viaduct for at least 5 Km including Pile, pile cap, Open foundations, RCC piers, super structure with pre-stressed concrete segmental work, steel composite girders in one contract (This can be met through Nominated/Identified subcontractor who has experience in this type of work)"
47	522-523	SECTION-8A-PART-2 EMPLOYER'S/WORK REQUIREMENT & APPENDIXES (SCOPE OF WORK)	4.5 BSRP/Railway stations on Corridor-2.	4.5 BSRP/Railway stations on Corridor-2. The proposed station locations may change as per the site conditions, availability of land etc., during finalisation of GAD after awarding the work. The tenderers may please note that nothing shall be paid extra for the change of station locations.
48	15	Section :2 ITT Para 3.2 (b) note 4	For completed works, the value of work done shall be updated to current FY 2021-22 price level assuming 10% inflation for Indian rupees every year or part thereof up to the month previous to the Bid submission month. Credentials if submitted in foreign currency shall be converted into Indian Rupee as under: Bids will be compared in Indian Rupees only. The exchange rate of foreign currency shall be applicable 28 days before the tender submission date. For conversion of foreign currency to Indian Rupee exchange rates published by Financial Benchmarks Private limited (www.fbil.org.in) 28 days before the date of bid submittal will be considered. In case the particular day happens to be a holiday the exchange rate published on the next working day will be considered. In case of works in foreign currency the effect of inflation is considered as included, as the exchange rate prevailing 28 days before	For completed works, the value of work done shall be updated to current FY 2021-22 price level assuming 10% inflation for Indian rupees every year or part thereof up to the month previous to the Bid submission month. The value of work done shall be inclusive of taxes and duties and PVC/Escalation. 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. The exchange rate of foreign currency shall be applicable 28 days before the tender submission date. For conversion of foreign currency to Indian Rupee exchange rates published by Financial Benchmarks Private limited (www.fbil.org.in) 28 days before the date of bid submittal will be considered. In case the particular day happens to be a holiday the exchange rate published on the next working day will be considered. In case of works in foreign currency the effect of inflation is considered as included, as the exchange rate prevailing 28 days before tender submission is being considered for conversion to Indian Rupees.

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49	97	Section 3 Qualification information/Bidding forms.	tender submission is being considered for conversion to Indian Rupees.	Power of attorney for submitting the Bid (For single Entity/Solo Bidder only) Form-7.
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**Power of Attorney (POA) for Submitting Bid
(For Single Entity/Sole Bidder only)**

Know all men by these presents, we (name and address of the registered office) do hereby constitute, appoint and authorise Mr./Ms.....(name and residential address) who is presently employed with us and holding the position ofas our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our bid for the Project, including signing and submission of all documents and providing information/responses to K-RIDE, representing us in all matters before K-RIDE, and generally dealing with K-RIDE in all matters in connection with our Bid for the Project.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall always be deemed to have been done by us.

..... (Signature)
(Name, Title and address) of the **Person Accepting the POA.**

..... (Signature)
(Name, Title and address) of the **Person issuing the POA.**

Note:

- (i) The bidder should submit the notarised Power of Attorney.
- (ii) The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.
- (iii) The bidder should submit following additional document in support of the POA as case-to-case basis:
 - a) Proprietorship Affidavit in case of Proprietary bidder.
 - b) Partnership deed in case of partnership bidder.
 - c) Board Resolution in case of a Public/Private limited company.
 - d) Memorandum & Article of Association in case of a Public/Private limited company.
 - e) Board Resolution in case of a Limited Liability Partnership.