

Corrigendum - 1 for C2-A Station Tender

04.07.2024

NAME OF WORK

Package C2A:

“Construction of Eight (08 Nos) Stations i.e., Elevated Interchange (1 No), Elevated (3 Nos.) and At-Grade (4 Nos) BSRP Stations of Corridor-2 at Benniganahalli, Kasturi Nagar, Seva Nagar, Banaswadi, Nagawara, Kanaka Nagar Hebbal, Mathikere, including Civil, Structural, Entry / Exit Structure, Steel Foot Over Bridge (FOB), Roof Structures, PEB Works, Architectural finishes, Plumbing, Façade, E&M Works and Detailed Design & Engineering (DDC) with all allied works for Bengaluru Suburban Rail Project” (BSRP)”.
TENDER NO: KRIDE/2024-25/BD/WORK_INDENT19

Sl. No	Clause Reference/ Page no.	Amendments
1.	Section-8A Part-1 15.2.10	<p>Replace:</p> <p>The Contractor shall be responsible for getting approval, co-ordination and supervision of execution of works pertaining to relocation/shifting/removal of above and below ground utilities, through respective Utility agencies. The payment for these Items will be made under Schedule ‘O’. The Contractor will be entitled for payment for co-ordination and supervision charges for the executed works as defined in the Pricing Document (Section 9). Any delay in completion of these works shall not relieve the Contractor’s obligation and it shall be at Contractor’s own risk and cost.</p> <p>With</p> <p>The Contractor shall be responsible for getting approval, co-ordination and supervision of execution of works pertaining to relocation/shifting/removal of above and below ground utilities, through respective Utility agencies. The payment for these Items will be made under Schedule ‘5’. The Contractor will be entitled for payment for co-ordination and supervision charges for the executed works as defined in the Pricing Document (Section 9). Any delay in completion of these works shall not relieve the Contractor’s obligation and it shall be at Contractor’s own risk and cost.</p>
2.	Section-8A Part-1 15.2.9	<p>Replace:</p> <p>The Schedule “5” is Lump sum provision for incidental and unforeseen items likely to occur during the execution of work. Whenever KPWD items are not available other department items (i.e. IR -USSOR / CPWD / BESCOM / KPTCL / BWSSB) shall be considered as per sequence of priority and with the approval of Engineer/Employer. If the same item is available in all schedules of rates given above, then the priority of schedule of rates is as follows: a) KPWD; b) IR-USSOR; c) CPWD; d) BESCOM; e) KPTCL; f) BWSSB If SR rate 2021-22 is not available, then the previous SR rates are to be adopted. Irrespective of the year, the rates available as per priority will be given</p> <p>With</p> <p>The Schedule “5” is Lump sum provision for incidental and unforeseen items likely to occur during the execution of work. Whenever KPWD items are not available other department items (i.e. IR -USSOR / CPWD / BESCOM / KPTCL / BWSSB) shall be considered as per sequence of priority and with the approval of Engineer/Employer. If the same item is available in all schedules of rates given above, then the priority of schedule of rates is as follows: a) KPWD; b) IR-USSOR; c) CPWD; d) BESCOM; e) KPTCL; f) BWSSB the SR to be referred is 2023-24 or latest</p>

Sl. No	Clause Reference/ Page no.	Amendments
3.	Section-12 BOQ - Schedule-5	<p>Replace:</p> <p>Items not covered in any of the above schedules A to D to be executed under Schedule of Rates 2021-22 published by Government Department .KPWD/IR-USSOR/ CPWD/ BESCOM/KPTCL/ BWSSB</p> <p>Note:</p> <p>(i) If the same item is available in all the Schedule of rates given above then the priority of schedule of rates is as follows: 1.KPWD, 2. IR-USSOR, 3. CPWD, 4. BESCOM, 5. KPTCL ,6.BWSSB</p> <p>(ii) If SR 2021-22 is not available then the previous SR rate may be adopted</p> <p>With</p> <p>Items not covered in any of the above schedules A to L to be executed under Schedule of Rates 2023-24 or latest published by Government Department . KPWD/IR-USSOR/ CPWD/ BESCOM/KPTCL/ BWSSB</p> <p>Note:(i) If the same item is available in all the Schedule of rates given above then the priority of schedule of rates is as follows: 1.KPWD, 2. IR-USSOR, 3. CPWD, 4. BESCOM, 5. KPTCL ,6.BWSSB</p>
4.	Section-12 BOQ - Schedule-4 and Schedule-9 Price schedule PREAMBLE TO BILL OF QUANTITIES Clause 21.4	<p>Replace:</p> <p>Multi Modal Intergration (MMI) Works and any other items not covered in above Schedules are to be executed under Common SR for year 2021-22 published by KPWD/ IR-USSOR / CPWD / BESCOM / KPTCL /BWSSB as per order of priority.</p> <p>With:</p> <p>Multi Modal Intergration (MMI) Works within the station limit and any other items not covered in above Schedules are to be executed under Common SR for year 2023-24 or latest published by KPWD/ IR-USSOR / CPWD / BESCOM / KPTCL /BWSSB as per order of priority.</p>
5.	Section 7 42.1	<p>Clause shall be read as.</p> <p>Advance Payment:</p> <p>42.1 Mobilization Advance</p> <p>The Employer shall make payment, as an Interest-free mobilization advance, 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.</p> <p>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.</p> <p>The Engineer shall issue an interim payment certificate for the first installment of mobilization advance after receiving an application for advance payment (under sub clause 37.1/PCC [Application for Interim Payment Certificates]) and after the Employer receives.</p> <p>(i) The Performance Security in accordance with New-Clause 4.19/PCC [Performance Security] and</p> <p>(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.</p> <p>The Mobilization Advance shall be interest free and secured by BG equivalent to 110% of the advance amount.</p> <p>Mobilization advance payment: Comprises of the percentage of Accepted Contract Amount payable in the currencies and proportions in which the</p>

Sl. No	Clause Reference/ Page no.	Amendments				
		<p>Accepted Contract Amount is payable and in installments as mentioned below.</p> <table border="1" data-bbox="684 305 1661 391"> <thead> <tr> <th data-bbox="684 305 1190 334">Mobilisation Advance</th> <th data-bbox="1190 305 1661 334">Instalments</th> </tr> </thead> <tbody> <tr> <td data-bbox="684 334 1190 391">As per request of the Contractor subject to a maximum of 5%</td> <td data-bbox="1190 334 1661 391">Two Equal Instalments (maximum 2.5% each)</td> </tr> </tbody> </table> <p>Timing of Mobilization Advance Payment: First Installment of the advance payment within 28 (Twenty-eight) days after signing the contract agreement or 21days after receiving the documents in accordance with new clause 4.19/PCC (Performance Security) and sub clause 42.0/PCC (Advance Payment) whichever is later.</p> <p>Second Installment shall be released only when the contractor submits statement of having utilized the First Installment of mobilization Advance and the Employer is satisfied that the utilization has been done in purposeful manner. The contractor shall submit utilization statement mentioning detailed particulars of expenses made with supporting documents to demonstrate that such amounts are utilized in a purposeful manner in relation to the works. This shall be supported or endorsed by certified Chartered Accountant under his seal and stamp.</p> <p>42.2 Advance Against Plant and Machinery</p> <p>1.1 <i>This advance is payable in Indian Rupees as quoted in the Tender and accepted by the Employer against plant, equipment and machinery, provided the same have reached the site, or in the case of new items meant specifically for the works, firm purchase order has been placed and in the name of Contractor. The plant and machinery shall be valued by the Engineer as follows:</i></p> <p>(a) <i>New items: 80% of purchase price.</i></p> <p>(b) <i>Used items in working order: 80% of the depreciated value as assessed by the Engineer.</i></p> <p>(c) <i>Items valued at less than Rs 1,000,000 (Rupees One million) per unit: Not to be considered.</i></p> <p>1.2 The total advance for Plant and Machinery shall be limited to 5% of the Contract Price with interest free advance. It will be paid against submission of Bank Guarantees for 110% of advance value for each stage of advance to be given by each member of the JV in proportion to their participation as per format given in section 10: Formats, from an Indian Schedule bank (excluding Cooperative Banks) or from a schedule Foreign Bank as defined in Section 2I of RBI Act 1934 read with Second Schedule. All bank Guarantees should be payable in Bengaluru at the designated branch. The Plant and Machinery Advance shall be interest free and secured by BG equivalent to 110% of the advance amount.</p> <p>1.3 <i>The Contractor should give an Undertaking that “No advance/loan has been taken against the subject plant & machinery from any other individual/financial institution/ mobilization etc.” If a wrong/false undertaking is given, all the BGs can be forfeited, and the contract is liable for termination under clause 49 of CC/PCC.</i></p> <p>1.4 <i>The Advance against Plant and Machinery will be paid within 30 days after receipt of the Contractor’s written request by the Employer which is recommended by the Engineer and submission of Bank Guarantees for procurement of plant and machinery.</i></p> <p>1.5 <i>Wherever Bank Guarantee or any other instrument is to be extended or fresh BG to be obtained, the cost towards getting extension of BG or fresh BG and other incidental charges will be on Contractor’s account.</i></p> <p>1.6 The Contractor</p> <p>i. <i>Shall submit the invoice and RC book (wherever applicable) in original, at the time of obtaining advance amount.</i></p> <p>ii. <i>Shall furnish all four Bank Guarantees one time as per Condition of Contract.</i></p> <p>iii. <i>Shall execute an Indemnity bond in favor of an Employer as against Third Party claim.</i></p> <p>iv. <i>Shall not seek the possession of machinery brought to the site till the Advance obtained from Employer is fully settled.</i></p>	Mobilisation Advance	Instalments	As per request of the Contractor subject to a maximum of 5%	Two Equal Instalments (maximum 2.5% each)
Mobilisation Advance	Instalments					
As per request of the Contractor subject to a maximum of 5%	Two Equal Instalments (maximum 2.5% each)					

Sl. No	Clause Reference/ Page no.	Amendments
		<p>1.7 <i>The machinery and equipment brought to the site shall be exclusively intended for the execution of the work of Employer and shall not be removed without the consent of the Engineer and same shall be available at project site till completion of the work.</i></p> <p>1.8 <i>The Contractor shall indemnify and hold harmless, the Employer against all actions, suits, proceedings, claims, damages, losses, expenses, demands pertaining to Advance amount towards plant and machinery.</i></p> <p>1.9 <i>The Contractor shall not remove any Equipment or Machinery from the site without the prior permission of the Engineer.</i></p> <p>1.10 The Contractor</p> <p>1.11a) <i>Shall not mortgage / create charge / hypothecate / encumber, in any way the machineries and equipment brought to site from the amounts advanced by Employer and shall give an undertaking in writing to that effect in favor of Employer.</i></p> <p>1.12b) <i>Shall not sell or alienate any part/portion of machinery and equipment without the consent of Employer.</i></p> <p>1.13c) <i>In the event of any such sale / alienation of any portion or part of machinery, Employer shall hold First Charge and the proceeds of such sale or alienation shall be appropriated towards the loan/ credit/ advance in respect of plant and machinery brought to the site by contractor.</i></p> <p>1.14d) <i>All Materials and Plants shall, upon their incorporation into Works, be free from any and all Encumbrances without the Employer being required to make any payment to any person on account of any costs, compensation, expenses and charges for such Materials, Plants and Works.</i></p> <p>42.3 Guarantees Advances as mentioned in sub-clauses 42.1/PCC above, shall be payable against acceptable Bank Guarantees from banks as specified in New-clause 4.19/PCC. The guarantees shall be in the form as given in Section 10 (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 the Contractor 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.</p> <p>42.4 Recovery of Advances Unless stated otherwise in the Contract Data, the advance payment shall be repaid in accordance with Sub-Clause 37.3/PCC [Issue of Interim Payment Certificates], as follows: The recovery of the above Mobilisation advance payments shall be done in respective currencies and shall commence at 12th month and ends at 18th month from the date of commencement which is in 6 monthly equal installments to recover the whole of Mobilisation advance paid. 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 49.0/PCC [Termination by Employer] or New-Clause 8/PCC [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.</p> <p>42.5 Repayment Rate of Advance Payment: Deleted.</p> <p>42.6 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</p>

Sl. No	Clause Reference/ Page no.	Amendments
		<p>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.</p> <p>Employer retains the right for any other remedy prescribed for breach of Contract in this regard.</p> <p>The Contractor, if required by the Engineer shall provide the details of Utilization of Mobilizations advance.</p> <p>42.7 If the Advance Payment has not been fully repaid prior to Termination under Force majeure event or termination Clause, as the case may be, the whole of the balance then outstanding shall immediately become due and payable by the Contractor to the Employer. In the event of Termination for Contractor Default, the Advance Payment shall be deemed to carry interest at an annual rate of SBI MCLR+2% from the date of Advance Payment to the date of recovery by encashment of bank guarantee for the Advance Payment. For the avoidance of doubt, the aforesaid interest shall be payable on each instalment of the Advance Payment, regardless of whether the instalment or any part thereof has been repaid to the Employer prior to Termination.</p>
6.	<p>Contract Data SI No 30 Recovery of Advance Payment</p>	<p>Clause shall be read as.</p> <p>The recovery of the above Mobilisation advance payments shall be done in respective currencies and shall commence at 12th month and ends at 18th month from the date of commencement which is in 6 monthly equal installments to recover the whole of Mobilisation advance paid.</p> <p>In case there is a delay in recovery of the advance payments interest will be recovered at an equal rate to prime lending prevailing rate at SBI MCLR+2% per annum or 10% per annum whichever is higher.</p>
7.	<p>Contract Data SI No 32 Percentage of Security Deposit</p>	<p>REPLACE:</p> <p>Security Deposit equal to 10 percent of the amount due to the Contractor in IPC's/ Running bills from time to time will be retained, so as to maintain a reserve in the hands of the Employer equal to 5 percent of the Contract Price.</p> <p>WITH</p> <p>Security Deposit equal to 10 percent of the amount due to the Contractor in IPC's/ Running bills from time to time will be retained, so as to maintain a reserve in the hands of the Employer equal to 5 percent of the Contract Price. If the Contractor submits the Bank Guarantee of 5% of Contract Price then the Security deposit shall not be deducted and the validity of the BG shall be till Defect liability period.</p>
8.	<p>Section 2 ITT Clause 3.2 b) 1)</p>	<p>REPLACE:</p> <p>The tenderer / Firm / Company / JV should have substantially completed at least one similar work of "Execution of Elevated stations/ Underground stations/ At grade stations / airport terminal Building, having sub-structure with pile / well / open foundations and RCC piers / columns and superstructure with pre-cast, cast in situ works for Metro Railway / Railway / High Speed Railway /Regional Railway / Light Railway / Airport" of value not less than ₹ 410 Crore at FY:2023-2024 price level in the five financial years (from FY2018-19 to FY2022-23 both inclusive) and till the last day of the month previous to the month of bid submission.</p> <p>NOTE:</p> <p>2. Similar Work is defined as below: For para 3.2 b (i) Execution of "Similar Work" for this contract shall mean the work of Construction of Elevated stations/ Underground stations/ At grade Stations / Airport Terminal Building with piling/well/open foundations, substructure, super structure involving interface with various systems works for Metro Rail stations / Railway stations / High Speed Railway stations / Suburban Railway stations / Light Railway stations / Airport.</p> <p>And</p>

Sl. No	Clause Reference/ Page no.	Amendments																																
		<p>3.9 ELIGIBILITY CRITERIA TABLE / MATRIX: Clause: 3.2 (b) (I)</p> <p>WITH</p> <p>The tenderer / Firm / Company / JV should have substantially completed at least one similar work of "Execution of Elevated stations including elevated viaduct/ Underground stations/ At grade stations / airport terminal Building, having sub-structure with pile / well / open foundations and RCC piers / columns and superstructure with pre-cast, cast in situ works for Metro Railway / Railway / High Speed Railway / Regional Railway / Light Railway / Airport" of value not less than ₹ 410 Crore at FY:2023-2024 price level in the five financial years (from FY2018-19 to FY2022-23 both inclusive) and till the last day of the month previous to the month of bid submission.</p> <p>NOTE:</p> <p>2. Similar Work is defined as below: For para 3.2 b (i) Execution of "Similar Work" for this contract shall mean the work of Construction of Elevated stations including elevated viaduct / Underground stations/ At grade Stations / Airport Terminal Building with piling/well/open foundations, substructure, super structure involving interface with various systems works for Metro Rail stations / Railway stations / High Speed Railway stations / Suburban Railway stations / Light Railway stations / Airport.</p> <p>Same shall be replaced in</p> <p>3.9 ELIGIBILITY CRITERIA TABLE / MATRIX: Clause: 3.2 (b) (I)</p>																																
9.	Section 9 Price schedule, Clause abstract schedule 2, page no.1353	<p>REPLACE:</p> <table border="1" data-bbox="564 849 1503 1045"> <thead> <tr> <th colspan="4">Electrical & Mechanical (E&M) Works</th> </tr> </thead> <tbody> <tr> <td>13</td> <td>J</td> <td>PUBLIC HEALTH ENGINEERING (MEP)</td> <td>₹ 67,95,13,667</td> </tr> <tr> <td>14</td> <td>K</td> <td>ELECTRICAL WORKS</td> <td>₹ 16,25,00,739</td> </tr> <tr> <td>15</td> <td>L</td> <td>HVAC WORKS</td> <td>₹ 4,37,47,124</td> </tr> </tbody> </table> <p>WITH</p> <table border="1" data-bbox="564 1117 1503 1315"> <thead> <tr> <th colspan="4">Electrical & Mechanical (E&M) Works</th> </tr> </thead> <tbody> <tr> <td>13</td> <td>J</td> <td><u>ELECTRICAL WORKS</u></td> <td>₹ 67,95,13,667</td> </tr> <tr> <td>14</td> <td>K</td> <td><u>FIRE FIGHTING WORKS</u></td> <td>₹ 16,25,00,739</td> </tr> <tr> <td>15</td> <td>L</td> <td>HVAC WORKS</td> <td>₹ 4,37,47,124</td> </tr> </tbody> </table>	Electrical & Mechanical (E&M) Works				13	J	PUBLIC HEALTH ENGINEERING (MEP)	₹ 67,95,13,667	14	K	ELECTRICAL WORKS	₹ 16,25,00,739	15	L	HVAC WORKS	₹ 4,37,47,124	Electrical & Mechanical (E&M) Works				13	J	<u>ELECTRICAL WORKS</u>	₹ 67,95,13,667	14	K	<u>FIRE FIGHTING WORKS</u>	₹ 16,25,00,739	15	L	HVAC WORKS	₹ 4,37,47,124
Electrical & Mechanical (E&M) Works																																		
13	J	PUBLIC HEALTH ENGINEERING (MEP)	₹ 67,95,13,667																															
14	K	ELECTRICAL WORKS	₹ 16,25,00,739																															
15	L	HVAC WORKS	₹ 4,37,47,124																															
Electrical & Mechanical (E&M) Works																																		
13	J	<u>ELECTRICAL WORKS</u>	₹ 67,95,13,667																															
14	K	<u>FIRE FIGHTING WORKS</u>	₹ 16,25,00,739																															
15	L	HVAC WORKS	₹ 4,37,47,124																															

Sl. No	Clause Reference/ Page no.	Amendments																								
10.	Section 9 Price schedule, Clause 2.9.6 (a) page no.1347	<p>REPLACE:</p> <p>a. 60% payment on supply of materials, 30% of payment for installation and balance 10% of payment on completion of testing, commissioning, submission of all test results, other documentation including as-built drawings, manuals, etc. for:</p> <p>b. 80% payment against supply and installation and balance 20% price so assigned for testing and commissioning of items of materials, plant and equipment when the plant, equipment is tested and commissioned successfully including integrated testing and commissioning and submission of all test results, other documentation including as-built drawings, manuals, etc. as described in the specifications, have been approved by the Engineer with the concurrence of Employer.</p> <p>WITH: <u>65% payment on supply and delivery of materials, 10% payment for installation, 15% payment on completion of testing & commissioning, and balance 10% payment on integrated testing & commissioning, handover and submission of all test results, other documentation including as-built drawings, manuals, etc. for the BoQ of Schedule J, K and L.</u></p>																								
11.	Section 9 Price schedule, Clause 2.10.1-page no.1348	<p>REPLACE:</p> <table border="1"> <thead> <tr> <th>Sl.No</th> <th>Item Description</th> <th>Reference Documents No.</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>M V Switchgear and Distribution Board</td> <td>PART-A A.01, A.02</td> </tr> <tr> <td>2.</td> <td>Distribution Cables</td> <td>PART-A - A.03</td> </tr> <tr> <td>3.</td> <td>UPS/Battery Charger</td> <td>PART-A A.07</td> </tr> </tbody> </table> <p>WITH:</p> <table border="1"> <thead> <tr> <th>Sl.No</th> <th>Item Description</th> <th>Reference Documents No.</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>M V Switchgear and Distribution Board</td> <td><u>PART-J J.04, J.02</u></td> </tr> <tr> <td>2.</td> <td><u>M V Cabling & Busducts</u></td> <td><u>PART-J - J.03</u></td> </tr> <tr> <td>3.</td> <td>UPS/Battery Charger</td> <td><u>PART-J J.08</u></td> </tr> </tbody> </table>	Sl.No	Item Description	Reference Documents No.	1.	M V Switchgear and Distribution Board	PART-A A.01, A.02	2.	Distribution Cables	PART-A - A.03	3.	UPS/Battery Charger	PART-A A.07	Sl.No	Item Description	Reference Documents No.	1.	M V Switchgear and Distribution Board	<u>PART-J J.04, J.02</u>	2.	<u>M V Cabling & Busducts</u>	<u>PART-J - J.03</u>	3.	UPS/Battery Charger	<u>PART-J J.08</u>
Sl.No	Item Description	Reference Documents No.																								
1.	M V Switchgear and Distribution Board	PART-A A.01, A.02																								
2.	Distribution Cables	PART-A - A.03																								
3.	UPS/Battery Charger	PART-A A.07																								
Sl.No	Item Description	Reference Documents No.																								
1.	M V Switchgear and Distribution Board	<u>PART-J J.04, J.02</u>																								
2.	<u>M V Cabling & Busducts</u>	<u>PART-J - J.03</u>																								
3.	UPS/Battery Charger	<u>PART-J J.08</u>																								
12.	Section 8A part-1, clause 1.3.6, page no.224 under category C1.9** and additional category below C1.24	<p>REPLACE:</p> <table border="1"> <thead> <tr> <th>Category</th> <th>Specialisation Position</th> <th>Minimum Numbers</th> <th>Qualification</th> <th>Minimum Experience post qualification in metro& Railway rail project with specified Field (refer Column 2) (Years)</th> <th>Minimum total experience post qualification (Years)</th> </tr> <tr> <th>(1)</th> <th>(2)</th> <th>(3)</th> <th>(4)</th> <th>(5)</th> <th>(6)</th> </tr> </thead> <tbody> <tr> <td>C1.9**</td> <td>Health and Safety Manager, experienced in management of Health & Safety Assurance systems on large transport infrastructure projects, including OHSAS 18001 compliance</td> <td>1</td> <td>B.E. (Civil)</td> <td>5</td> <td>≥15</td> </tr> </tbody> </table>	Category	Specialisation Position	Minimum Numbers	Qualification	Minimum Experience post qualification in metro& Railway rail project with specified Field (refer Column 2) (Years)	Minimum total experience post qualification (Years)	(1)	(2)	(3)	(4)	(5)	(6)	C1.9**	Health and Safety Manager, experienced in management of Health & Safety Assurance systems on large transport infrastructure projects, including OHSAS 18001 compliance	1	B.E. (Civil)	5	≥15						
Category	Specialisation Position	Minimum Numbers	Qualification	Minimum Experience post qualification in metro& Railway rail project with specified Field (refer Column 2) (Years)	Minimum total experience post qualification (Years)																					
(1)	(2)	(3)	(4)	(5)	(6)																					
C1.9**	Health and Safety Manager, experienced in management of Health & Safety Assurance systems on large transport infrastructure projects, including OHSAS 18001 compliance	1	B.E. (Civil)	5	≥15																					

Sl. No	Clause Reference/ Page no.	Amendments																																											
		WITH:																																											
		<table border="1"> <thead> <tr> <th>Category (1)</th> <th>Specialisation Position (2)</th> <th>Minimum Numbers (3)</th> <th>Qualification (4)</th> <th>Minimum Experience post qualification in metro& Railway rail project with specified Field (refer Column 2) (Years) (5)</th> <th>Minimum total experience post qualification (Years) (6)</th> </tr> </thead> <tbody> <tr> <td>C1.9**</td> <td>Health and Safety Manager, experienced in management of Health & Safety Assurance systems on large transport infrastructure projects, <u>E&M works</u> including OHSAS 18001 compliance</td> <td>1</td> <td>B.E. (Civil)</td> <td>5</td> <td>≥15</td> </tr> <tr> <td><u>E1.1</u></td> <td><u>Project Manager experience in the role of Project Manager in the execution of similar type of works at Metro & Suburban station MEP Systems etc.</u></td> <td><u>1</u></td> <td><u>Bachelor's Degree in Electrical Engineering</u></td> <td><u>10</u></td> <td><u>15</u></td> </tr> <tr> <td><u>E1.2</u></td> <td><u>Senior Engineers with experience in the role of Senior Engineer in the execution of similar type of works at Metro & Suburban station MEP Systems etc.</u></td> <td><u>1</u></td> <td><u>Bachelor's Degree in Electrical Engineering</u></td> <td><u>6</u></td> <td><u>10</u></td> </tr> <tr> <td rowspan="2"><u>E1.3</u></td> <td rowspan="2"><u>Site Engineers (3 Nos. Electrical, 2 Nos. Mechanical Engineer) with experience in the role of Site Engineer in the execution of similar type of works at Metro & Suburban station MEP Systems etc.</u></td> <td rowspan="2"><u>5</u></td> <td><u>Bachelor's Degree in Mechanical / Electrical Engineering</u></td> <td><u>3</u></td> <td><u>6</u></td> </tr> <tr> <td><u>Diploma in Mechanical / Electrical Engineering</u></td> <td><u>6</u></td> <td><u>9</u></td> </tr> <tr> <td><u>E1.4</u></td> <td><u>QA & QC Manager with respectively and certificate in QA/ QC, in the role of QA & QC Manager in the execution of similar type of works</u></td> <td><u>1</u></td> <td><u>Bachelor's Degree in Mechanical / Electrical Engineering</u></td> <td><u>6</u></td> <td><u>10</u></td> </tr> </tbody> </table>	Category (1)	Specialisation Position (2)	Minimum Numbers (3)	Qualification (4)	Minimum Experience post qualification in metro& Railway rail project with specified Field (refer Column 2) (Years) (5)	Minimum total experience post qualification (Years) (6)	C1.9**	Health and Safety Manager, experienced in management of Health & Safety Assurance systems on large transport infrastructure projects, <u>E&M works</u> including OHSAS 18001 compliance	1	B.E. (Civil)	5	≥15	<u>E1.1</u>	<u>Project Manager experience in the role of Project Manager in the execution of similar type of works at Metro & Suburban station MEP Systems etc.</u>	<u>1</u>	<u>Bachelor's Degree in Electrical Engineering</u>	<u>10</u>	<u>15</u>	<u>E1.2</u>	<u>Senior Engineers with experience in the role of Senior Engineer in the execution of similar type of works at Metro & Suburban station MEP Systems etc.</u>	<u>1</u>	<u>Bachelor's Degree in Electrical Engineering</u>	<u>6</u>	<u>10</u>	<u>E1.3</u>	<u>Site Engineers (3 Nos. Electrical, 2 Nos. Mechanical Engineer) with experience in the role of Site Engineer in the execution of similar type of works at Metro & Suburban station MEP Systems etc.</u>	<u>5</u>	<u>Bachelor's Degree in Mechanical / Electrical Engineering</u>	<u>3</u>	<u>6</u>	<u>Diploma in Mechanical / Electrical Engineering</u>	<u>6</u>	<u>9</u>	<u>E1.4</u>	<u>QA & QC Manager with respectively and certificate in QA/ QC, in the role of QA & QC Manager in the execution of similar type of works</u>	<u>1</u>	<u>Bachelor's Degree in Mechanical / Electrical Engineering</u>	<u>6</u>	<u>10</u>				
Category (1)	Specialisation Position (2)	Minimum Numbers (3)	Qualification (4)	Minimum Experience post qualification in metro& Railway rail project with specified Field (refer Column 2) (Years) (5)	Minimum total experience post qualification (Years) (6)																																								
C1.9**	Health and Safety Manager, experienced in management of Health & Safety Assurance systems on large transport infrastructure projects, <u>E&M works</u> including OHSAS 18001 compliance	1	B.E. (Civil)	5	≥15																																								
<u>E1.1</u>	<u>Project Manager experience in the role of Project Manager in the execution of similar type of works at Metro & Suburban station MEP Systems etc.</u>	<u>1</u>	<u>Bachelor's Degree in Electrical Engineering</u>	<u>10</u>	<u>15</u>																																								
<u>E1.2</u>	<u>Senior Engineers with experience in the role of Senior Engineer in the execution of similar type of works at Metro & Suburban station MEP Systems etc.</u>	<u>1</u>	<u>Bachelor's Degree in Electrical Engineering</u>	<u>6</u>	<u>10</u>																																								
<u>E1.3</u>	<u>Site Engineers (3 Nos. Electrical, 2 Nos. Mechanical Engineer) with experience in the role of Site Engineer in the execution of similar type of works at Metro & Suburban station MEP Systems etc.</u>	<u>5</u>	<u>Bachelor's Degree in Mechanical / Electrical Engineering</u>	<u>3</u>	<u>6</u>																																								
			<u>Diploma in Mechanical / Electrical Engineering</u>	<u>6</u>	<u>9</u>																																								
<u>E1.4</u>	<u>QA & QC Manager with respectively and certificate in QA/ QC, in the role of QA & QC Manager in the execution of similar type of works</u>	<u>1</u>	<u>Bachelor's Degree in Mechanical / Electrical Engineering</u>	<u>6</u>	<u>10</u>																																								

Sl. No	Clause Reference/ Page no.	Amendments									
13	Section-7 PCC, Clause 7CC sub-contractors, page no.127	<p>REPLACE:</p>	<div data-bbox="567 282 1913 399" style="border: 1px solid black; padding: 5px;"> <p>Specialist Subcontracting If an Applicant intends to subcontract any highly specialized elements of the Works to specialist subcontractors, such elements and the proposed subcontractors shall be clearly identified, and the experience and capacity of the subcontractors shall be described in the relevant Information Forms.</p> </div> <p>WITH:</p> <div data-bbox="567 474 1913 708" style="border: 1px solid black; padding: 5px;"> <p>Specialist Subcontracting If an Applicant intends to subcontract any highly specialized elements of the Works to specialist subcontractors, such elements and the proposed subcontractors shall be clearly identified, and the experience and capacity of the subcontractors shall be described in the relevant Information Forms. <u>The contractor is propose to change the sub-contractor for E&M works post award of the contract, then Sub-contractor credential shall be evaluated as per the E&M qualification Criteria and to be appointed only after approval of Employer.</u></p> </div>								
14	SECTION 8A – PART 1 – EMPLOYERS’ REQUIREMENT APPENDIX-XIII PROJECT INTERFACE MATRIX E. BETWEEN CIVIL AND SIGNALING (S&TC) CONTRACTOR	<p>REPLACE:</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 35%; text-align: center;">Civil</th> <th style="width: 30%;"></th> <th style="width: 30%; text-align: center;">S&T</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; vertical-align: top;">1.</td> <td style="vertical-align: top;"> <p>Layout of rooms at the station: Signalling Equipment Room (SER), UPS, Signalling Maintenance Room, and Station Control Room (SCR).</p> </td> <td style="vertical-align: top;"> <p>Design: Prepare and furnish station drawings. Incorporate room requirements and routing of Cable ducts/ cable trays. Provision of space for Emergency Stop Plunger.</p> <p>Construction: Rooms complete with structures, false flooring, false ceiling if necessary, finishes, fire rated doors etc.</p> <p>Seal all the gaps / openings / cut-outs with fire resistant materials or with detachable ACP sheet before CMRS inspection of that areas/Viaduct/Stations.</p> </td> <td style="vertical-align: top;"> <p>Design: Mark cable trays on the station drawings in close coordination with the DDCs. Review design with the DDCs. Co-ordinate closely with Station Building Contractors to ensure the requirements at site are met.</p> <p>Construction: Provide equipment foundations / base frames. Install all S&TC equipment, cables etc.</p> <p>Seal the gaps up to 200 mm in size in TER after cable installation work with fire resistant material or detachable ACP Sheet.</p> </td> </tr> </tbody> </table>		Civil		S&T	1.	<p>Layout of rooms at the station: Signalling Equipment Room (SER), UPS, Signalling Maintenance Room, and Station Control Room (SCR).</p>	<p>Design: Prepare and furnish station drawings. Incorporate room requirements and routing of Cable ducts/ cable trays. Provision of space for Emergency Stop Plunger.</p> <p>Construction: Rooms complete with structures, false flooring, false ceiling if necessary, finishes, fire rated doors etc.</p> <p>Seal all the gaps / openings / cut-outs with fire resistant materials or with detachable ACP sheet before CMRS inspection of that areas/Viaduct/Stations.</p>	<p>Design: Mark cable trays on the station drawings in close coordination with the DDCs. Review design with the DDCs. Co-ordinate closely with Station Building Contractors to ensure the requirements at site are met.</p> <p>Construction: Provide equipment foundations / base frames. Install all S&TC equipment, cables etc.</p> <p>Seal the gaps up to 200 mm in size in TER after cable installation work with fire resistant material or detachable ACP Sheet.</p>
	Civil		S&T								
1.	<p>Layout of rooms at the station: Signalling Equipment Room (SER), UPS, Signalling Maintenance Room, and Station Control Room (SCR).</p>	<p>Design: Prepare and furnish station drawings. Incorporate room requirements and routing of Cable ducts/ cable trays. Provision of space for Emergency Stop Plunger.</p> <p>Construction: Rooms complete with structures, false flooring, false ceiling if necessary, finishes, fire rated doors etc.</p> <p>Seal all the gaps / openings / cut-outs with fire resistant materials or with detachable ACP sheet before CMRS inspection of that areas/Viaduct/Stations.</p>	<p>Design: Mark cable trays on the station drawings in close coordination with the DDCs. Review design with the DDCs. Co-ordinate closely with Station Building Contractors to ensure the requirements at site are met.</p> <p>Construction: Provide equipment foundations / base frames. Install all S&TC equipment, cables etc.</p> <p>Seal the gaps up to 200 mm in size in TER after cable installation work with fire resistant material or detachable ACP Sheet.</p>								

Sl. No	Clause Reference/ Page no.	Amendments									
		<p>WITH:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 30%; text-align: center;">Civil</th> <th style="width: 30%; text-align: center;">S&T</th> <th style="width: 35%;"></th> </tr> </thead> <tbody> <tr> <td style="text-align: center; vertical-align: top;">1.</td> <td style="vertical-align: top;"> Layout of rooms at the station: Signalling and PSD Equipment Room (SPER), Telecom Equipment Room(TER), UPS Room, Signalling Maintenance Room(SMR), Telecom Maintenance Room(TMR) and Station Control Room (SCR). </td> <td style="vertical-align: top;"> <p>Design: Prepare and furnish station drawings. Incorporate room requirements and routing of Cable ducts/ cable trays. Provision of space for Emergency Stop Plunger, Duct/Trench in S&T UPS Room.</p> <p>Construction: Rooms complete with structures, false flooring, false ceiling if necessary, finishes, fire retardant doors, cable cut-out & shaft finishes, cable trenches for S&T UPS Room.</p> <p>General lighting shall be provided by Civil Contractor for Testing,</p> <p>Seal all the gaps / openings / cut-outs with fire resistant materials or with detachable ACP sheet before CRS/CMRS inspection of that areas/Viaduct/Stations.</p> </td> <td style="vertical-align: top;"> <p>Design: Mark cable trays on the station drawings in close coordination with the DDCs. Review design with the DDCs. Co-ordinate closely with Station Building Contractors to ensure the requirements at site are met. Suitable interface for marking cable Entry/Exit points in Technical Rooms and cable trenches in UPS Room on the station drawings in close co-ordination with the E&M/DDC/Construction/Finishing contractor</p> <p>Construction: Provide equipment foundations / base frames/Pedestals. Furnish weight, dimension and mounting details of S&T Equipment. Install all S&TC equipment, cables etc.</p> <p>Seal the gaps up to 200 mm in size in all technical rooms after cable installation work with fire resistant material or detachable ACP Sheet.</p> </td> </tr> </tbody> </table>			Civil	S&T		1.	Layout of rooms at the station: Signalling and PSD Equipment Room (SPER), Telecom Equipment Room(TER) , UPS Room, Signalling Maintenance Room(SMR), Telecom Maintenance Room(TMR) and Station Control Room (SCR).	<p>Design: Prepare and furnish station drawings. Incorporate room requirements and routing of Cable ducts/ cable trays. Provision of space for Emergency Stop Plunger, Duct/Trench in S&T UPS Room.</p> <p>Construction: Rooms complete with structures, false flooring, false ceiling if necessary, finishes, fire retardant doors, cable cut-out & shaft finishes, cable trenches for S&T UPS Room.</p> <p>General lighting shall be provided by Civil Contractor for Testing,</p> <p>Seal all the gaps / openings / cut-outs with fire resistant materials or with detachable ACP sheet before CRS/CMRS inspection of that areas/Viaduct/Stations.</p>	<p>Design: Mark cable trays on the station drawings in close coordination with the DDCs. Review design with the DDCs. Co-ordinate closely with Station Building Contractors to ensure the requirements at site are met. Suitable interface for marking cable Entry/Exit points in Technical Rooms and cable trenches in UPS Room on the station drawings in close co-ordination with the E&M/DDC/Construction/Finishing contractor</p> <p>Construction: Provide equipment foundations / base frames/Pedestals. Furnish weight, dimension and mounting details of S&T Equipment. Install all S&TC equipment, cables etc.</p> <p>Seal the gaps up to 200 mm in size in all technical rooms after cable installation work with fire resistant material or detachable ACP Sheet.</p>
	Civil	S&T									
1.	Layout of rooms at the station: Signalling and PSD Equipment Room (SPER), Telecom Equipment Room(TER) , UPS Room, Signalling Maintenance Room(SMR), Telecom Maintenance Room(TMR) and Station Control Room (SCR).	<p>Design: Prepare and furnish station drawings. Incorporate room requirements and routing of Cable ducts/ cable trays. Provision of space for Emergency Stop Plunger, Duct/Trench in S&T UPS Room.</p> <p>Construction: Rooms complete with structures, false flooring, false ceiling if necessary, finishes, fire retardant doors, cable cut-out & shaft finishes, cable trenches for S&T UPS Room.</p> <p>General lighting shall be provided by Civil Contractor for Testing,</p> <p>Seal all the gaps / openings / cut-outs with fire resistant materials or with detachable ACP sheet before CRS/CMRS inspection of that areas/Viaduct/Stations.</p>	<p>Design: Mark cable trays on the station drawings in close coordination with the DDCs. Review design with the DDCs. Co-ordinate closely with Station Building Contractors to ensure the requirements at site are met. Suitable interface for marking cable Entry/Exit points in Technical Rooms and cable trenches in UPS Room on the station drawings in close co-ordination with the E&M/DDC/Construction/Finishing contractor</p> <p>Construction: Provide equipment foundations / base frames/Pedestals. Furnish weight, dimension and mounting details of S&T Equipment. Install all S&TC equipment, cables etc.</p> <p>Seal the gaps up to 200 mm in size in all technical rooms after cable installation work with fire resistant material or detachable ACP Sheet.</p>								

Sl. No	Clause Reference/ Page no.	Amendments																			
15	SECTION 8A – PART 1 – EMPLOYERS' REQUIREMENT APPENDIX-XIII PROJECT INTERFACE MATRIX E. BETWEEN CIVIL AND SIGNALING (S&TC) CONTRACTOR	<p>Replace</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 25%; text-align: center;">Civil</th> <th style="width: 30%;"></th> <th style="width: 40%; text-align: center;">S&T</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; vertical-align: top;">2.</td> <td style="vertical-align: top;">Station Control Room: Space for workstations / ESP and other Signalling equipments.</td> <td style="vertical-align: top;"> Design: Incorporate design requirement of S&TC Contractor in the SCR room. Construction: Construct the SCR room as per approved design. </td> <td style="vertical-align: top;"> Design: Furnish layout of Signalling equipment within Station Control Room for S&TC equipment in close coordination with the DDCs and/ or Station Building Contractor. Construction: Install Signalling equipment within Station Control Room. </td> </tr> </tbody> </table> <p style="text-align: center; margin-top: 20px;">With</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 25%; text-align: center;">Civil</th> <th style="width: 30%;"></th> <th style="width: 40%; text-align: center;">S&T</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; vertical-align: top;">2.</td> <td style="vertical-align: top;">Station Control Room: Space for workstations / ESP and other Signalling equipments.</td> <td style="vertical-align: top;"> Design: Incorporate design requirement of S&TC Contractor in the SCR room. Construction: Construct the SCR room as per approved design. Maintain room distance of SCR and SPER shall be less than 30 m. Connectivity from equipment rooms to SCR as per requirement of S&T contractor. Install Precast slab at suitable height with core cutting and power sockets provision to be provided for system workstations as per design of S&T contractor. </td> <td style="vertical-align: top;"> Design: Furnish layout of Signalling equipment within Station Control Room for S&TC equipment in close coordination with the DDCs and/ or Station Building Contractor. Construction: Install Signalling equipment within Station Control Room </td> </tr> </tbody> </table>					Civil		S&T	2.	Station Control Room: Space for workstations / ESP and other Signalling equipments.	Design: Incorporate design requirement of S&TC Contractor in the SCR room. Construction: Construct the SCR room as per approved design.	Design: Furnish layout of Signalling equipment within Station Control Room for S&TC equipment in close coordination with the DDCs and/ or Station Building Contractor. Construction: Install Signalling equipment within Station Control Room.		Civil		S&T	2.	Station Control Room: Space for workstations / ESP and other Signalling equipments.	Design: Incorporate design requirement of S&TC Contractor in the SCR room. Construction: Construct the SCR room as per approved design. Maintain room distance of SCR and SPER shall be less than 30 m. Connectivity from equipment rooms to SCR as per requirement of S&T contractor. Install Precast slab at suitable height with core cutting and power sockets provision to be provided for system workstations as per design of S&T contractor.	Design: Furnish layout of Signalling equipment within Station Control Room for S&TC equipment in close coordination with the DDCs and/ or Station Building Contractor. Construction: Install Signalling equipment within Station Control Room
	Civil		S&T																		
2.	Station Control Room: Space for workstations / ESP and other Signalling equipments.	Design: Incorporate design requirement of S&TC Contractor in the SCR room. Construction: Construct the SCR room as per approved design.	Design: Furnish layout of Signalling equipment within Station Control Room for S&TC equipment in close coordination with the DDCs and/ or Station Building Contractor. Construction: Install Signalling equipment within Station Control Room.																		
	Civil		S&T																		
2.	Station Control Room: Space for workstations / ESP and other Signalling equipments.	Design: Incorporate design requirement of S&TC Contractor in the SCR room. Construction: Construct the SCR room as per approved design. Maintain room distance of SCR and SPER shall be less than 30 m. Connectivity from equipment rooms to SCR as per requirement of S&T contractor. Install Precast slab at suitable height with core cutting and power sockets provision to be provided for system workstations as per design of S&T contractor.	Design: Furnish layout of Signalling equipment within Station Control Room for S&TC equipment in close coordination with the DDCs and/ or Station Building Contractor. Construction: Install Signalling equipment within Station Control Room																		

Sl. No	Clause Reference/ Page no.	Amendments			
16	SECTION 8A – PART 1 – EMPLOYERS' REQUIREMENT APPENDIX-XIII PROJECT INTERFACE MATRIX E. BETWEEN CIVIL AND SIGNALING (S&TC) CONTRACTOR	New clauses to be included			
		Civil		S&T	
		8	Cabling infrastructure for S&T at stations	Design Incorporate routing of Cable ducts/ hangers/ trays for STC main cables throughout the station. Fibre optic cables throughout the station will have route diversity. Design details to be worked out in interface with STC design requirements.	Design: Shall mark & Review cable duct/ tray path / size / separation and provide the requirement of cable troughs/Supports on the GAD/ CSD for main cables in close coordination with the Civil / Architectural design and Civil construction cum E&M contractor to ensure that all requirements at site are met. Furnish and review requirements of EMC for cabling. Review and confirm design with the design contractor and closely coordinate with construction contractor to ensure that the requirements at site are met.
		9	Interconnection between corridors in for cable laying.	Design: Develop routing of Cable ducts / conduits / hangers / trays between corridors at the intersection / junction Stations. Design details to be worked out in interface with STC design requirements; Construction: Cast in cable ducts on walls / floor penetrations, for routing of all types of cables seal the relevant gaps / Cut Outs after cable installation work.	Design: Furnish cabling requirements including destinations, sizes, quantities and cable loadings of Cable ducts / conduits / hangers / trays between corridors at intersection /Junction stations. Furnish requirements of cable Cut Outs / bores on walls / floor penetrations, complete with pipe, sleeves for routing of all types of cables. Furnish requirements of EMC/EMI and fire separation for cabling. Construction: Install STC cables,
		10	Room Acceptance	DDC / Civil / Building Construction Contractor to interface with concerned contractors and ensure compliance To ensure that all requirements as per the Design are incorporated and agreed and	Coordinate with Civil/E& M team and clean Debris / Dust after Carrying out work STC Works on a daily/regular basis

Sl. No	Clause Reference/ Page no.	Amendments				
				<p>signed by STC contractor</p> <p>11 Reference Points Civil: DDC Civil / Building Construction Contractor to interface with concerned Contractors and ensure compliance</p> <p>Shall provide all reference points marking regarding level station, platform centre line to STC contractor at site and preserve these marking points for future verification and reference at site</p>	<p>STC Contractor shall coordinate with Building / Civil contractor to get all inputs regarding reference points, marking of levels, station/platform centre line etc.</p>	
				<p>12 Lighting/power arrangement Civil: DDC Civil / Building / E & M Contractor to interface with concerned Contractors and ensure compliance</p> <p>E&M: Shall provide power to S&T contractor for S&T UPS system. General lighting and power sockets, meters, etc. for installation work to be provided by civil contractor on chargeable basis.</p>	<p>Shall coordinate with Civil / Building Construction/E&M Contractor for general lighting/power arrangements for installation works and pay for the consumption.</p>	
				<p>14 Inter Room cable way Incorporate Cableway from the Signalling perspective. Furnish and coordinate requirements, if any.</p>	<p>Coordinate with Civil / Building Contractor for cable installation.</p>	
				<p>15 Interface documentation Architectural / Civil / Building Contractor to interface with concerned contractors and ensure compliance</p> <p>Civil/ Building / E&M Contractor shall coordinate with STC contractor for interface document preparation and Prepare Detailed Interface document etc.</p>	<p>STC contractor shall, coordinate and cooperate with Building / Civil/E&M contractor for the interface documents</p>	
				<p>17 Power for Installation Works Temporary power supply shall be extended to the STC contractor on chargeable basis on mutually agreed terms and conditions</p>	<p>In absence of temporary Power availability from Civil / Building / E&M Contractor, then Signalling Contractor shall make its own/suitable arrangement for Power requirement for installation and testing. Energy meter and cable required for</p>	

Sl. No	Clause Reference/ Page no.	Amendments			
					<p>extension of temporary power from participating contractors shall be provided.</p> <p>S&T contractor shall coordinate with civil contractor for same.</p>
17	Employers Requirement Part 1 – Scope of Work	The Proposed station location and Entry/Exit may change as per the site conditions, availability of land etc., during finalization of station layout after award of the work. Nothing extra shall be paid extra for the change of station and Entry/Exit location.			
18	Section 8A - Part1 Clause 1.4.2	<p>Replace</p> <ol style="list-style-type: none"> 1. The Contractor shall submit details of proposed key Designer team members to the Engineer for approval. 2. Key Personnel to be deployed as per the approved mobilization plan. In case of any delay in mobilisation or non-availability for longer period, Delay Damages of INR 2,00,000 (Two Lakh) per month for each Key Personnel shall be levied. <p>With</p> <ol style="list-style-type: none"> 1. The Contractor shall submit details of proposed key Designer team members to the Employer through Engineer for approval. 2. Key Personnel to be deployed as per the approved mobilization plan. Absence of any key personnel for more than 2 continuous days shall be intimated to Employer through Engineer. In case of any delay in mobilisation or non-availability for not more than 30 days, Delay Damages of INR 50,000/- (Rupees Fifty Thousand Only) per month for each Key Personnel shall be levied. 			

Sl. No	Clause Reference/ Page no.	Amendments
19	Section 8A - Part1 Clause 1.5.1	<p>Replace</p> <p>For all Subcontractors and Suppliers, the Engineer's approval shall be obtained prior to mobilisation unless otherwise instructed by the Engineer with respect to Section 5 & Section 7 (CC & PCC).</p> <p>With</p> <p>For all Subcontractors and Suppliers, the Engineer's approval shall be obtained prior to mobilisation unless otherwise instructed by the Employer with respect to Section 5 & Section 7 (CC & PCC).</p>
20	Section 8A - Part1 Clause 1.5.2	<p>Replace</p> <p>The Engineer's prior written approval of any subcontractor, supplier or any lower tier subcontractor or supplier shall be obtained on a case by case basis and as required by the Engineer.</p> <p>With</p> <p>The Engineer's prior written approval of any subcontractor, supplier or any lower tier subcontractor or supplier shall be obtained on a case-by-cases basis and as required by the Engineer/Employer.</p>
21	Section 8A - Part1 Clause 2.2.3.b.iii	<p>Replace</p> <p>Contain details of cost proposals in preparation and those which have been submitted to the Engineer for consideration in advance of a variation being instructed.</p> <p>With</p> <p>Contain details of cost proposals in preparation and those which have been submitted to the Employer through the Engineer for consideration in advance of a variation being instructed.</p>

Sl. No	Clause Reference/ Page no.	Amendments
22	Section 8A - Part1 Clause 2.5.1	<p>Replace</p> <p>The Contractor shall submit a monthly Contract Price assessment in a format approved by the Engineer. The assessments shall show the Contract Price adjusted to incorporate the effects of instructed variations and cost proposals in preparation or submitted to the Engineer in respect of potential Variations.</p> <p>With</p> <p>The Contractor shall submit a monthly Contract Price assessment in a format approved by the Engineer. The assessments shall show the Contract Price adjusted to incorporate the effects of instructed variations and cost proposals in preparation or submitted to the Employer through the Engineer in respect of potential Variations</p>
23	Section 8A - Part1 Clause 3.2.3	<p>Replace</p> <p>The Contractor shall provide and supply 2 (two) licences each of the Program management software (P6) to the Engineer with relevant installation and operation manuals free of cost for use in connection with and for the duration of the Contract.</p> <p>With</p> <p>The Contractor shall provide and supply 2 (two) licences each of the Program management software (P6) to the Employer and the Engineer with relevant installation and operation manuals free of cost for use in connection with and for the duration of the Contract.</p>
24	Section 8A - Part1 Clause 3.10.8a	<p>Replace</p> <p>Biweekly meetings will be held to review and monitor the progress of the project work, and they shall be convened by the Engineer. The Contractor's representative and if necessary, representatives of all interfacing Project Partners shall attend the meetings. The Employer may also be present at the meetings.</p> <p>With</p> <p>Biweekly meetings will be held to review and monitor the progress of the project work, and they shall be convened by the Engineer/Employer. The Contractor's representative and if necessary, representatives of all interfacing Project Partners shall attend the meetings.</p>

Sl. No	Clause Reference/ Page no.	Amendments
25	Section 8A - Part1 Clause 3.10.8e	<p>Replace</p> <p>The Contractor shall prepare draft minutes recording all matters discussed and decisions recorded at all the meetings within 48 hours for the Engineer's review. These minutes shall be approved by the Engineer.</p> <p>With</p> <p>The Contractor shall prepare draft minutes recording all matters discussed and decisions recorded at all the meetings within 48 hours for the Engineer's review. These minutes shall be approved by the Employer through the Engineer.</p>
26	Section 8A - Part1 Clause 3.11.1	<p>Replace</p> <p>Where matters arise, which are urgent or deviate substantially from the latest report the Contractor will not wait until the next monthly report but shall prepare a specific 'Exception Report' concerning the new situation and submit this to the Engineer.</p> <p>With</p> <p>Where matters arise, which are urgent or deviate substantially from the latest report the Contractor will not wait until the next monthly report but shall prepare a specific 'Exception Report' concerning the new situation and submit this to the Employer and the Engineer.</p>
27	Section 8A - Part1 Clause 3.12.2.2	<p>Replace</p> <p>Every month, the Contractor shall submit a 30-minute full high-definition Drone video (5K Camera) recording, one with audio commentary in Hindi/Kannada and a second in English, of the work under the Contract to the Engineer as part of his Monthly Progress Report. In addition, Contractor shall submit a 30-minute full high-definition video (1080P) recording, one with audio commentary in Hindi/Kannada and a second in English, of the work under the Contract to the Engineer as part of his Monthly Progress Report. Upon completion of the work under the Contract, the Contractor shall provide a professionally edited full high-definition video (1080p) to the Engineer showing progress through the period of the Contract. The video shall be a minimum length of 20 minutes and cover the design, construction, manufacture and installation of all major components of the work under the Contract.</p> <p>With</p> <p>Every alternate month, the Contractor shall submit a 30-minute full high-definition Drone video (5K Camera) recording, one with audio commentary in Hindi/Kannada and a second in English, of the work under the Contract to the Engineer as part of his Monthly Progress Report. In addition, Contractor shall submit a 30-minute full high-definition video (1080P) recording, one with audio commentary in Hindi/Kannada and a second in English, of the work under the Contract to the Engineer as part of his Monthly Progress Report. Upon completion of the work under the Contract, the Contractor shall provide a professionally edited full high-definition video (1080p) to the Engineer showing progress through the period of the Contract. The video shall be a minimum length of 20 minutes and cover the design, construction, manufacture and installation of all major components of the work under the Contract.</p>

Sl. No	Clause Reference/ Page no.	Amendments
28	Section 8A - Part1 Clause 5.17.1	<p>Replace</p> <p>Calculations relevant to all design submissions shall be submitted with the respective design submissions. Input used in computer analysis, with supporting explanation, shall be submitted to the Engineer for review of computer output on request.</p> <p>With</p> <p>Calculations relevant to all design submissions shall be submitted with the respective design submissions. Input used in computer analysis, with supporting explanation, shall be submitted to the Engineer/Employer for review of computer output on request.</p>
29	Section 8A - Part1 Clause 5.18.5	<p>Replace</p> <p>Access to the 3D BIM model common platform shall be made available to the Engineer, and a monthly update, 3D BIM Model and PDF, shall be submitted by the Contractor to the Engineer.</p> <p>With</p> <p>Access to the 3D BIM model common platform shall be made available to the Engineer, and a monthly update, 3D BIM Model and PDF, shall be submitted by the Contractor to the Engineer/Employer.</p>
30	Section 8A - Part1 Clause 7.1.5m	<p>Replace</p> <p>identification of checks to be carried out, details of the QA/QC records that will be submitted to the Engineer;</p> <p>With</p> <p>Identification of checks to be carried out, details of the QA/QC records that will be submitted to the Employer through Engineer;</p>

Sl. No	Clause Reference/ Page no.	Amendments
31	Section 8A - Part1 Clause 8.4.1	<p>Replace</p> <p>The Contractor shall be responsible for providing water, electricity, telephone, sewerage and drainage facilities for the Engineer's Site offices, Contractor's Site offices, structures and buildings and for all Site laboratories and all such services that are necessary for satisfactory performance of the Works. The Contractor shall make all arrangements with and obtain the necessary approval from the relevant civil and utility authorities for the facilities.</p> <p>With</p> <p>The Contractor shall be responsible for providing water, electricity, telephone, sewerage and drainage facilities for the Employer's/Engineer Site offices, Contractor's Site offices, structures and buildings and for all Site laboratories and all such services that are necessary for satisfactory performance of the Works. The Contractor shall make all arrangements with and obtain the necessary approval from the relevant civil and utility authorities for the facilities.</p>
32	Section 8A - Part1 Clause 8.7.2.a	<p>Replace</p> <p>The Employer/Engineer Office shall be located no further than 50m walking distance, from the Contractor's Project Office.</p> <p>With</p> <p>The Employer/Engineer Office shall be located near the work site</p>
33	Section 8A - Part1 Clause 8.7.2.c	<p>Replace</p> <p>The offices shall include a fully equipped kitchens complying with regulatory requirements, suitable for the preparation of hot and cold food and drinks relevant to the intended number of occupants. The kitchen will as a minimum be provided with a refrigerator/freezer of minimum 500 litre capacity, a microwave, water boiling equipment, dishwashing facilities etc.</p> <p>With</p> <p>The offices shall include a fully equipped kitchens complying with regulatory requirements, suitable for the preparation of hot and cold food and drinks relevant to the intended number of occupants. The kitchen will as a minimum be provided with a refrigerator/freezer of minimum 290 litre capacity, a microwave, water boiling equipment, dishwashing facilities etc.</p>

Sl. No	Clause Reference/ Page no.	Amendments
34	Section 8A - Part1 Clause 8.8.2	<p>Replace</p> <p>The Contractor shall provide telephone services which shall be restricted to national calls (within India) only, except for the Engineer's room which shall have international call facility, and the Contractor will pay the related telephone bills.</p> <p>With</p> <p>The Contractor shall provide telephone services which shall be restricted to national calls (within India) only,</p>
35	Section 8A - Part1 Clause 8.8.4	<p>Replace</p> <p>Water cooler with RO filter for potable water and two water fountains including a supply of potable water bottled by a reputable and registered water supplier.</p> <p>With</p> <p>Water cooler with RO filter for potable water and two water dispensers including a supply of potable water bottled by a reputable and registered water supplier.</p>
36	Section 8A - Part1 Clause 10.2.3	<p>Replace</p> <p>The Contractor shall perform all necessary testing and commissioning activities in order to ensure satisfactory operation of the completed Works and compliance with the Employer's Requirements. Tests shall be witnessed by the Engineer.</p> <p>With</p> <p>The Contractor shall perform all necessary testing and commissioning activities in order to ensure satisfactory operation of the completed Works and compliance with the Employer's Requirements. Tests shall be witnessed by the Engineer/Employer.</p>
37	Section 8A - Part1 Clause 10.2.9	<p>Replace</p> <p>No tests shall be carried out until the schedule has received approval from the Engineer. The schedule may be submitted in stages.</p> <p>With</p> <p>No tests shall be carried out until the schedule has received approval from the Employer through Engineer. The schedule may be submitted in stages.</p>

Sl. No	Clause Reference/ Page no.	Amendments
38	Section 8A - Part1 Clause 10.5.1	<p>Replace</p> <p>Prior to construction, all materials shall be tested and certified by the manufacturer before being delivered to site. Certifications of testing shall include all reports of inspections and/or tests and submitted to the Engineer for approval.</p> <p>With</p> <p>Prior to construction, all materials shall be tested and certified by the manufacturer before being delivered to site. Certifications of testing shall include all reports of inspections and/or tests and submitted to the Engineer for approval. As and when required third-party testing shall be done as per the requirement and codal provisions at contractor's own cost.</p>
39	Section 8A - Part1 Clause 10.8.1	<p>Replace</p> <p>The Contractor shall submit to the Engineer a copy of a test reports no later than 14 days after completion of each test, whether witnessed by the Engineer or not.</p> <p>With</p> <p>The Contractor shall submit to the Employer and Engineer a copy of a test reports no later than 14 days after completion of each test witnessed by the Engineer/Employer.</p>
40	Section 8A - Part1 Clause 15.2.1	<p>Replace</p> <p>The design and construction of the Works shall be developed in accordance with the Employer's Requirements and the Contractor's Technical Proposals.</p> <p>With</p> <p>The design and construction of the Works shall be developed in accordance with the Employer's Requirements and the Contractor's Technical Proposals approved by Employer through Engineer.</p>

Sl. No	Clause Reference/ Page no.	Amendments
41	Section 8A - Part1 Clause 15.2.6	<p>Replace</p> <p>The Schedule “2”</p> <p>The Schedule ‘A’ to ‘F’: Item Rate consists of:</p> <p>Construction of all Civil structure, Structural steel including roof works, Entry/Exit structures, FOB including provision for Solar Panel installation for all 08 Stations and other associated works as indicated in tender drawings as approved by the Employer / Engineer.</p> <p>With</p> <p>Detailed description read as in Price Schedule - Section 9</p>
42	Section 8A - Part1 Clause 15.2.8	<p>Replace</p> <p>The Schedule “4” is Lumpsum provision for Multimodal integration (MMI) works. The works will be carried out for the items under SR for the year 2021-22 or latest, published by KPWD / IR -USSOR / CPWD / BESCOM / KPTCL / / BWSSB.</p> <p>With</p> <p>The Schedule “4” is Lumpsum provision for Multimodal integration (MMI) works. The works will be carried out for the items under SR for the year 2023-24 or latest, published by KPWD / IR -USSOR / CPWD / BESCOM / KPTCL / / BWSSB.</p>
43	Section 8A - Part1 Clause 15.4.7	<p>Replace</p> <p>The Contractor shall verify the survey information provided by the Employer/Project Partner. The Contractor’s survey shall only be used for the basis of the design of the works. Any discrepancy found needs to be resolved before the commencement of work. The survey information shall be shared, verified and confirmed with other Project Partners.</p> <p>With</p> <p>The Contractor shall verify the survey information provided by the Engineer/Project Partner. The Contractor’s survey shall only be used for the basis of the design of the works. Any discrepancy found needs to be resolved before the commencement of work. The survey information shall be shared, verified and confirmed with other Project Partners</p>

Sl. No	Clause Reference/ Page no.	Amendments
44	Section 8A - Part1 Clause 15.4.9	<p>Replace</p> <p>Contractor shall take necessary approvals from Statutory department like IR, DULT, BBMP, BDA, BMRCL and KRIDE.</p> <p>With</p> <p>Contractor shall take necessary approvals from Statutory department like IR, DULT, BBMP, BDA, BMRCL and KRIDE, BWSSB, GAIL & other stakeholders.</p>
45	Section 8A - Part1 15.5.9.b	<p>Replace</p> <p>The design and construction of all the station structures including supporting structure, foundation, columns, beams, slabs, staircases, parapets, canopies, gutters (Thickness 3.15mm min), RCC Water Tank (Underground and Overhead), Entry-Exit Structures, construction and integration FOB connection to existing Metro/IR as shown in tender reference drawings and other ancillary structures etc to the limits shown on the Tender Reference Drawings</p> <p>With</p> <p>The design and construction of all the station structures including supporting structure, foundation, columns, beams, slabs, staircases, parapets, canopies, gutters (Thickness 3.15mm min), RCC Water Tank (Underground and Overhead), Entry-Exit Structures, construction and integration FOB connection to existing Metro/IR as shown in tender reference drawings & other ancillary structures etc to the limits shown on the Tender Reference Drawings and as per the site requirement of the Employer.</p>
46	Section 8A - Part1 15.5.9.c	<p>Replace</p> <p>The Contractor shall carry out geotechnical borehole soil investigation at every foundation location for the foundation (including pile) design.</p> <p>With</p> <p>The Contractor shall carry out geotechnical borehole soil investigation at every foundation location for the foundation as and when instructed by Engineer (including pile) design as per the technical requirement and approval from the Employer.</p>

Sl. No	Clause Reference/ Page no.	Amendments
47	Section 8A - Part1 15.5.9.d	<p>Replace</p> <p>All column foundations shall be designed and constructed as pile foundations. Where rocky strata permit, the Contractor may request the Engineer's approval to provide open raft foundations. Permanent liners, if required shall be provided.</p> <p>With</p> <p>All column foundations shall be designed and constructed as raft foundations. Where rocky strata permit, the Contractor may request the Engineer's approval to provide open/ raft /Pile foundations.</p>
48	Section 8A - Part1 15.5.9.e	<p>Replace</p> <p>Bore wells 2nos per station location (to meet the operational requirement) with submersible pumps of required capacity, Cables, starter and necessary connection in main panel at each station and connection with suitable dia. GI/UPVC line from bore wells to the underground water tanks with automated operation arrangement as approved by the Engineer.</p> <p>With</p> <p>Bore wells 1 nos per station location (to meet the operational requirement) with submersible pumps of required capacity, Cables, starter and necessary connection in main panel at each station and connection with suitable dia. GI/UPVC line from bore wells to the underground water tanks with automated operation arrangement as approved by the Engineer.</p>
49	Section 8A - Part1 15.5.10.(ix)	<p>Replace</p> <p>The Contractor shall design and submit Design Drawings, Erection Drawings, Fabrication Drawings, completion (i.e. 'as-built') drawings, calculation, analysis and other related documents as specified;</p> <p>With</p> <p>The Contractor shall design and submit Design Drawings, Erection Drawings, Fabrication Drawings, completion (i.e. 'as-built') drawings, calculation, analysis and other related documents as specified; 6 copies each of GFC & as-built drawing.</p>

Sl. No	Clause Reference/ Page no.	Amendments
50	Section 8A - Part1 15.6.1	<p>Replace</p> <p>A Designer or Designers shall be employed by the Contractor. The Designer(s) shall have relevant experience as defined in Qualification of Tenderer of Section-2 for designing of BSRP/IR/Metro Stations. The Contractor shall provide full details of the Designer(s) past experience and details of the proposed design discipline leads for the Engineer's approval.</p> <p>With</p> <p>A Designer or Designers shall be employed by the Contractor. The Designer(s) shall have relevant experience as defined in Qualification of Tenderer of Section-2 for designing of BSRP/IR/Metro Stations. The Contractor shall provide full details of the Designer(s) past experience and details of the proposed design discipline leads for the Engineer's approval through Employer.</p>
51	Section 8A - Part1 15.6.6.[3.(i)]	<p>Replace</p> <p>Provide services for IGBC Mass Rapid Transit System (MRTS) rating for 9 Stations which are a part of this contract.</p> <p>With</p> <p>Provide services for IGBC Mass Rapid Transit System (MRTS) Platinum rating for 8 Stations which are a part of this contract.</p>
52	Section 8A - Part1 15.9.2	<p>Replace</p> <p>The Contractor shall be responsible for design, diversion plan, getting approval, co-ordination and supervision of execution of works pertaining to relocation/shifting/removal of above and below ground utilities, through respective Utility agencies. The payment for these Items will be made under Schedule 'O'. The Contractor will be entitled for payment for co-ordination and supervision charges for the executed works as defined in the Pricing Document (Section-9). Any delay in completion of these works shall not relieve the Contractor's obligation and it shall be at Contractor's own risk and cost.</p> <p>With</p> <p>The Contractor shall be responsible for design, diversion plan, getting approval, co-ordination and supervision of execution of works pertaining to relocation/shifting/removal of above and below ground utilities, through respective Utility agencies. The payment for these Items will be made under Schedule '5'. Any delay in completion of these works shall not relieve the Contractor's obligation and it shall be at Contractor's own risk and cost.</p>

Sl. No	Clause Reference/ Page no.	Amendments
53	Section 8A - Part1 Appendix I - Programme Requirements 1.9.4	<p>Replace</p> <p>Three-Month Rolling Program (revised) to be submitted on a monthly basis by 5th of every month with respect to the progress achieved by the last day of the previous month. A penalty of ₹. 100,000/- (Rupees One Lakh) per instance will become applicable to the contractor for non-submission of the revised Three monthly rolling program as per above clauses, irrespective of the causes lead to variances if any and the penalty will be deducted in the subsequent IPC which will be non-refundable.</p> <p>With</p> <p>Three-Month Rolling Program (revised) to be submitted on a monthly basis by 5th of every month with respect to the progress achieved by the last day of the previous month. A penalty of ₹ 50,000/- (Rupees Fifty Thousand Only) per instance will become applicable to the contractor for non-submission of the revised Three-monthly rolling program as per the above clauses, irrespective of the causes lead to variances if any and the penalty will be deducted in the subsequent IPC which will be non-refundable.</p>
54	Section 8A - Part1 Appendix II - Method of Measurements for Permanent Works 2.2.1	<p>Replace</p> <p>As soon as the Good-For-Construction GFC drawing for a work is issued, the Contractor will calculate the details of quantities of various items of PRICE SCHEDULE involved, in a format approved by Engineer, and submit the calculations and schedule of quantities to the Engineer / Engineer's Representative and get them approved for the drawing.</p> <p>With</p> <p>As soon as the Good-For-Construction GFC drawing for a work is issued, the Contractor will calculate the details of quantities of various items of the PRICE SCHEDULE involved, in a format approved by the Engineer, and submit the calculations and schedule of quantities to the Employer through the Engineer and get them approved for the drawing.</p>
55	Section 8A - Part1 Appendix II - Method of Measurements for Permanent Works 2.3	<p>Replace</p> <p>Items for which Good-For-Construction GFC Drawing is not issued</p> <p>For all such works, whose measurement cannot be calculated from any Good-For-Construction (GFC) drawing, all measurements will be taken by the Contractor's authorized qualified Engineer in the presence of the Engineer's Representative at site. These measurements will be recorded on approved form of Record Measurement Sheet and signed jointly by contractor and Engineer's Representative. Contractor will ensure that a properly qualified Engineer is deputed for taking measurements and also that all the measurements taken are witnessed and signed by the Engineer's Representative. All measurements should be recorded at site on the Record of Measurement Sheet in the presence of the Engineer's Representative. Each Measurement Sheet should be signed by the Contractor's Engineer as well as by the witnessing Engineer's Representative. Based on the recorded measurement contractor will prepare abstract of quantities in the approved format.</p> <p>With</p> <p>Deleted.</p>

Sl. No	Clause Reference/ Page no.	Amendments
56	Appendix VI - Office Accommodation, Equipment and Personnel 1.1.1	<p>Replace</p> <p>Project office accommodation of at least 600 Sqm (with at least 30% of specific area decided by the Employer, air-conditioned) spread across 2 Project Offices (the minimum number mentioned in the scope) for the Employer & Engineer with air-conditioned cabins for senior officials of Employer and Engineer (as decided by the Employer) and conference halls, as per the approved drawings. Each Project Office shall have separate areas/buildings ear marked for Employer & Engineer, as approved by the Employer. Distribution and periodical redistribution of the above area in different offices will be done by the Employer as per the need.</p> <p>With</p> <p>Project office accommodation of at least 600 Sqm (with at least 30% of specific area decided by the Employer, air-conditioned) spread across 1 Project Office for the Employer & Engineer with air-conditioned cabins for senior officials of Employer and Engineer (as decided by the Employer) and conference halls, as per the approved drawings. Each Project Office shall have separate areas/buildings ear marked for Employer & Engineer, as approved by the Employer. Distribution and periodical redistribution of the above area in different offices will be done by the Employer as per the need.</p>
57	Appendix VI - Office Accommodation, Equipment and Personnel 1.2	<p>Replace</p> <p>In addition to the above area, covered parking facility shall be provided exclusively for the cars of Employer & Engineer for at least 2 Cars at each Project Office and for at least 1 Car at each satellite Site Office. There shall be a portico or a basement (basically, a covered area from the location of getting off the car to the entrance of the office), so that officials do not get drenched during heavy rain, while entering the offices.</p> <p>With</p> <p>In addition to the above area, covered parking facility shall be provided exclusively for the cars of Employer & Engineer for at least 4 Cars at each Project Office and for at least 1 Car at each satellite Site Office.</p>
58	Appendix VI - Office Accommodation, Equipment and Personnel 1.3	<p>Replace</p> <p>The above total area of 600 Sqm for project offices and 60 Sqm for Site offices, mentioned above, is considering 2 Project offices and 08 satellite Site offices. If there is an increase in this number as per the need, additional area @ at least 300 Sqm for each additional Project office and @ at least 240 Sqm for each additional satellite Site office shall be provided.</p> <p>With</p> <p>The above total area of 600 Sqm for project office and 480 sqm (60sqm/ satellite office) for Site offices, mentioned above, is considering 1 Project office and 08 satellite Site offices.</p>

Sl. No	Clause Reference/ Page no.	Amendments
59	Appendix VI - Office Accommodation, Equipment and Personnel 1.6.d	<p>Replace</p> <p>Workstations of approved brand, colour, texture & quality with partitions up to the approved height: size 4'x 5'. Modular workstations green ply makes with merino Laminate and storage cabinets - in least B nos. in each project office and at least 3 nos. in each site office.</p> <p>With</p> <p>Workstations of approved brand, colour, texture & quality with partitions up to the approved height: size 4'x 5' (at least 08 Nos and as per requirement). Modular workstations green ply makes with merino Laminate. and storage cabinets - at least 8 nos. in each project office and at least 3 nos. in each site office.</p>
60	Appendix VI - Office Accommodation, Equipment and Personnel 1.6	<p>Replace</p> <p>Notes:</p> <p>In addition to the above, the following furniture, appliances, equipment, and tools are required combined for all the project/site offices (This is additional requirement for all the offices. Distribution and periodical redistribution of these to various Project & Site offices will be done by the Employer, as per the need). GM/Procurement may alter the specifications depending on market availability, requirement and other site considerations etc</p> <p>With</p> <p>Notes:</p> <p>In addition to the above, the following furniture, appliances, equipment, and tools are required combined for all the project/site offices (This is additional requirement for all the offices. Distribution and periodical redistribution of these to various Project & Site offices will be done by the Employer, as per the need). Employer may alter the specifications depending on market availability, requirement and other site considerations etc.</p>
61	Appendix VI - Office Accommodation, Equipment and Personnel 1.7.vi	<p>Replace</p> <p>Arrange proper and safe conveyance (through four wheelers engaged for this purpose) to female staff working for Employer/Engineer, whenever the work gets delayed and whenever the situation warrants (as decided by the Employer) - (A nominated staff member of the contractor shall take care of them).</p> <p>With</p> <p>Deleted.</p>

Sl. No	Clause Reference/ Page no.	Amendments
62	Appendix VI - Office Accommodation, Equipment and Personnel 1.11	<p>Replace</p> <p>The contractor shall supply the following personnel within 30 days from the date of issue of LOA for the use of the Employer, till the end of DLP.</p> <ul style="list-style-type: none"> a) Watchmen: Round the clock at each Project / Site office b) Office Assistant / Secretary: 08 nos. c) CAD Operator / Technical Assistant: 04 nos. d) Computer Programming Assistant: 04 nos. e) Office boy cum Site attendant: 08 nos. <p>The candidature of all the above personnel shall be as personally approved by the Engineer / Employer. Any inefficient / problematic personnel shall be replaced forthwith. The qualifications, expertise, allotment of work, working time, shifts, overlap time, grouping, seating arrangement and any other related matter will be as decided by the Employer. The decision of the Engineer / Employer is final in all these regards. Proper approved safety equipment shall be provided for the site attendants.</p> <p>To facilitate coordination for site activities, testing, inspections, liaison with other concerned agencies etc. by Employer representative, the contractor shall provide two vehicles of approved make, model and quality along with drivers till the end of the contract period round the clock and one till the end of DLP to the Employer.</p> <p>with</p> <p>The contractor shall supply the following personnel within 30 days from the date of issue of LOA for the use of the Employer, till the end of DLP.</p> <ul style="list-style-type: none"> a) Watchmen: Round the clock at each Project / Site office b) Office Assistant / Secretary: 03 nos. c) CAD Operator / Technical Assistant: 03 nos. d) Computer Programming Assistant: 02 nos. e) Office boy cum Site attendant: 09 nos.

Sl. No	Clause Reference/ Page no.	Amendments
		<p>The candidature of all the above personnel shall be as personally approved by the Engineer / Employer. Any inefficient / problematic personnel shall be replaced forthwith. The qualifications, expertise, allotment of work, working time, shifts, overlap time, grouping, seating arrangement and any other related matter will be as decided by the Employer. The decision of the Engineer / Employer is final in all these regards. Proper approved safety equipment shall be provided for the site attendants.</p>
63	Appendix VI - Office Accommodation, Equipment and Personnel 2.a	<p>Replace</p> <p>Desktop Computers (with computer tables) - 08 nos. of approved brand & quality with cordless keyboards and cordless mice, as approved by the Employer. The computers shall be Intel core i7 or its latest generic descendent or higher, running at the specified and approved clock rate (Hyper technology) with no wait state, If the Central Processing Unit has no floating point arithmetic capabilities, a math-coprocessor shall be installed.</p> <p>with</p> <p>Desktop Computers (with computer tables) - 04 nos. Dell or HP make with cordless keyboards and cordless mice, with antivirus as approved by the Employer. The computers shall be Intel core i7 or its latest generic descendent or higher, running at the specified and approved clock rate (Hyper technology) with no wait state, If the Central Processing Unit has no floating-point arithmetic capabilities, a math-coprocessor shall be installed.</p>
64	Appendix VI - Office Accommodation, Equipment and Personnel 2.b	<p>Replace</p> <p>Lap Top Computers with carry cases – 08 nos. of approved brand & quality - with at least 15.6" display, as approved by the Employer.</p> <p>with</p> <p>Lap Top Computers with carry cases - 02 nos. of approved brand & quality - with at least 15.6" display, as approved by the Employer.</p>
65	Appendix VI - Office Accommodation, Equipment and Personnel 2.b.1.iii	<p>Replace</p> <p>Hard Disk: 1 TB or at least 500 GB - preferably SSD</p> <p>with</p> <p>Hard Disk: 2 TB - preferably SSD</p>

Sl. No	Clause Reference/ Page no.	Amendments
66	Appendix VI - Office Accommodation, Equipment and Personnel 2.b.7	<p>Replace</p> <p>OS I Software: Pre-installed Windows 11 professional or Mac OS as approved, latest version of MS office, Windows Utilities, Mediamatics Arcade Pak, Diagnostic Utilities, Ring Central, MS Internet Explorer, Norton Anti-Virus, Speech activated typing software, latest version of Primavera (as approved).</p> <p>with</p> <p>OS I Software: Pre-installed Windows 11 professional or Mac OS as approved, latest version of MS office, Windows Utilities, Mediamatics Arcade Pak, Diagnostic Utilities, Ring Central, MS Internet Explorer, Norton Anti-Virus, Speech activated typing software.</p>
67	appendix VI - Office Accommodation, Equipment and Personnel 2.c	<p>Replace</p> <p>Printers - 06 nos. (A4 size - 03 nos. A3 size - 02 nos and Plotter of A0 size - 01 nos.) At least one printer of A0, A3 & two printers of A4 size shall be Colour; One printer of A4 size shall be Laser Colour; Timely replacement of Toners / Cartridges with original ones, as per the consumption pattern</p> <p>with</p> <p>Printers - 12 nos. (A4 size - 09 nos. A3 size - 02 nos and Plotter of A0 size - 01 nos.)</p> <p>All printers shall be Colour; Timely replacement of Toners / Cartridges with original ones, as per the consumption pattern</p>
68	appendix VI - Office Accommodation, Equipment and Personnel 2.e	<p>Replace</p> <p>Project Management Package (Primavera V. P6-2 licenses (1 Core Module and 1 Web based Module), as approved Multimedia, as approved</p> <p>with</p> <p>Project Management Package (Primavera V. P6-2 licenses (1 Core Module and 1 Web-based Module), as approved Multimedia, as approved by Engineer/Employer</p>

Sl. No	Clause Reference/ Page no.	Amendments			
69	appendix VI - Office Accommodation, Equipment and Personnel 2.e Notes: Details of penalty	Replace			
		S.No	Description of stage	Period	Penalty for non-achieving the timeline (period)
		1	Completion and Commissioning of first Project Office for the Employer & Engineer, duly furnished with all furniture, cabins, conference hall, appliances, equipment, tools, personnel, cleaning staff, consumables etc. complete	45 days from the date of issue of LOA	0.0005% of total contract price per day of delay
		2	Completion and Commissioning of second Project Office for the Employer & Engineer, duly furnished with all furniture, cabins, conference hall, appliances, equipment, tools, personnel, cleaning staff, consumables etc. complete	60 days from the date of issue of LOA	0.0005% of total contract price per day of delay
		3	Completion and Commissioning of first Site Office at/near casting yard for the Employer & Engineer, duly furnished with all furniture, cabins, appliances, equipment, tools, personnel, cleaning staff, consumables etc. complete	30 days from the date of issue of notice to proceed with the work	0.0005% of total contract price per day
		4	Completion and Commissioning of all project offices and site offices for the Employer & Engineer, duly furnished with all furniture, cabins, conference halls, appliances, equipment, tools, personnel, cleaning staff, consumables etc. complete as per the contract	120 days from the date of issue of notice to proceed with the work	0.00075% of total contract price per day of delay
		With			
		S.No	Description of stage	Period	Penalty for non-achieving the timeline (period)
		1	Completion and Commissioning of first Project Office for the Employer & Engineer, duly furnished with all furniture, cabins, conference hall, appliances, equipment, tools, personnel, cleaning staff, consumables etc. complete	45 days from the date of issue of LOA	0.0002% of total contract price per day of delay

Sl. No	Clause Reference/ Page no.	Amendments			
		2	Deleted		
		3	Completion and Commissioning of first Site Office at/near casting yard for the Employer & Engineer, duly furnished with all furniture, cabins, appliances, equipment, tools, personnel, cleaning staff, consumables etc. complete	30 days from the date of issue of notice to proceed with the work	0.0002% of total contract price per day
		4	Completion and Commissioning of all project offices and site offices for the Employer & Engineer, duly furnished with all furniture, cabins, conference halls, appliances, equipment, tools, personnel, cleaning staff, consumables etc. complete as per the contract	120 days from the date of issue of notice to proceed with the work	0.0002% of total contract price per day of delay

Sl. No	Clause Reference/ Page no.	Amendments
70	ANNEXURE III - Tree Cutting and Forest Clearances-in Process	<p>Replace</p> <p>Tree cutting, preservation and disposal (or) Translocation along the alignment for cutting / disposal / translocation / afforestation (as per the norms of Forest Department) in lieu of cutting / translocation to be arranged by Contractor at her / his own cost. The applicable permits / permissions for felling of tress / Translocation shall be arranged by Employer. The tree cutting and disposal is included in the scope of work. The cut trees will be the property of the contractor. However, the contractor shall deposit an amount not less than Reserve Price of the trees (as fixed by Forest Department / BBMP) plus FDT (Forest Development Tax) to KRIDE for onward transmission to Railways / BBMP / Forest Department, as the case may be.</p> <p>With</p> <p>Tree cutting, preservation and disposal (or) Translocation along the alignment for cutting / disposal / translocation / afforestation (as per the norms of Forest Department) in lieu of cutting / translocation to be arranged by Contractor at her / his own cost. The applicable permits / permissions for felling of tress / Translocation shall be arranged by contractor and the necessary assistance through correspondence will be provided by the Engineer/Employer. However, the trees falling between the main station building have been already considered for felling during C-2 civil construction works. The tree cutting and disposal is included in the scope of work. The cut trees will be the property of the contractor. However, the contractor shall deposit an amount not less than the Reserve Price of the trees (as fixed by Forest Department / BBMP) plus FDT (Forest Development Tax) to KRIDE for onward transmission to Railways / BBMP / Forest Department, as the case may be.</p>
71	Section 8A – Part2 Clause 2.2.9	<p>Replace</p> <p>All 08 Stations are with Cantilever / Portal type or specified otherwise. The Pier Cap / Pier Arm of Cantilever / Portal Type Stations shall be post Tensioned.</p> <p>With</p> <p>01 Elevated Interchange (C2 & C4) Station, 03 Elevated Station, and 04 At-grade stations. The station typology is indicated in tender reference drawings.</p>
72	Section 8A – Part2 Clause 2.2.12.1.3	<p>Replace</p> <p>Foundations shall generally be piled, however open foundations can be proposed if the ground conditions and design permit.</p> <p>With</p> <p>Foundations shall be Raft /Open / Pile foundations i.e., technically suitable for soil condition with prior approval from the Employer.</p>

Sl. No	Clause Reference/ Page no.	Amendments
73	Section 8A – Part2 Clause 4.5.4	<p>Replace</p> <p>Design Seismic Zone shall be as per Clause 3.4.11 of this document.</p> <p>With</p> <p>Design Seismic Zone shall be as per DBR.</p>
74	Section 8A – Part2 Clause 9.1.2	<p>Replace</p> <p>The Contractor shall submit to the Engineer for approval their GI program including borehole locations in advance of undertaking any investigations along with method statement for Engineer’s review and approval.</p> <p>With</p> <p>The Contractor shall submit to the Engineer for approval their GI program including borehole locations in advance for the locations wherever the GTI is not conducted by Corridor 2 civil contractor, of undertaking any investigations along with the method statement for the Engineer’s review and approval.</p>
75	Section 8A – Part2 Clause 9.1.3	<p>Replace</p> <p>The investigations shall be contained within the affected Works zone (construction influence zone). Any exception to these requirements shall obtain approval from the Engineer.</p> <p>With</p> <p>The investigations shall be contained within the affected Works zone (construction influence zone). Any exception to these requirements shall obtain approval from the Employer through Engineer.</p>
76	Section 8A – Part2 Clause 9.3.2	<p>Replace</p> <p>The area to be included in this study for data collection shall extend up to a distance of 10 m from the extremities of the footprint of the foundation works.</p> <p>with</p> <p>The area to be included in this study for data collection shall extend up to a distance of 6 m from the extremities of the footprint of the foundation works.</p>

Sl. No	Clause Reference/ Page no.	Amendments				
77	Section 8A – Part2 Attachment B Minimum Station Accommodation	Replace	Sl. No.	Room Name	Area (Sq. M)	HVAC requirement
			5	TER (interlocking station)	60	AC required
			6	UPS & Battery	35	AC required
			7	SER (interlocking station)	60	AC required
			9	Station Control Room + Audit & Cash + Store	35	AC required
		With	Sl. No.	Room Name	Area (Sq. M)	HVAC requirement
			5	TER (interlocking station)	70	AC required
			6	UPS & Battery	60	AC required
			7	SER (interlocking station)	70	AC required
			9	Station Control Room + Audit & Cash + Store	50	AC required
78	Section 8A – Part2 2.22.11.c	<p>Replace</p> <p>A note shall be placed in the notes area within the title block stating the following: This drawing contains the following model files: An example listing: -BSRP-C2S-ABC-ARC-MD2-XXX-XX-2345.S3.P2 -C2S-ABC-STR-MD2-XXX-XX-4567.S2.P2 -C2S-ABC-CIV-MD2-XXX-XX-3456.S2.P2 -C2S-ABC-CIV-MD2-XXX-XX-1221.S3.P2 -C2S-ABC-CIV-MD2-XXX-XX-3317.S2.P2</p> <p>With</p> <p>A note shall be placed in the notes area within the title block stating the following: This drawing contains the following model files: An example listing: -BSRP-C2AS-ABC-ARC-MD2-XXX-XX-2345.S3.P2 -C2AS-ABC-STR-MD2-XXX-XX-4567.S2.P2 -C2AS-ABC-CIV-MD2-XXX-XX-3456.S2.P2 -C2AS-ABC-CIV-MD2-XXX-XX-1221.S3.P2 -C2AS-ABC-CIV-MD2-XXX-XX-3317.S2.P2</p>				

Sl. No	Clause Reference/ Page no.	Amendments
79	Schedule-9 Price schedule PREAMBLE TO BILL OF QUANTITIES Clause 14	<p>Replace</p> <p>Identified utilities & unidentified/ buried / hidden utilities (if any left-over) shall be shifted by contractors. Payment for such diversion will be made under relevant payment Schedule. If work is stopped due to unidentified / buried / hidden utilities, no claim shall be entertained on this account.</p> <p>With</p> <p>Identified utilities & unidentified/ buried / hidden utilities (if any left-over) shall be shifted by contractors. Payment for such diversion will be made under relevant payment Schedule- "5". If work is stopped due to unidentified / buried / hidden utilities, no claim shall be entertained on this account.</p>
80	Schedule-9 Price schedule PREAMBLE TO BILL OF QUANTITIES Clause 20.1	<p>Replace</p> <p>Any error in description or in quantity or omission of items from the contract shall not violate this contract but shall be corrected and deemed to be a variation required by the Engineer.</p> <p>With</p> <p>Any error in description or in quantity or omission of items from the contract shall not violate this contract but shall be corrected by the engineer and approved by the Employer.</p>
81	Section-6 Contract Data Annexure – 1 Part A – Contract Data KEY DATES	<p>Replace</p> <p>STTO16 - 0.005 % of Accepted Contract Amount per day of delay for the key date</p> <p>With</p> <p>STTO16 - 0.036 % of Accepted Contract Amount per day of delay for the key date</p>