



JAIPUR METRO

JAIPUR METRO RAIL CORPORATION LIMITED

1st Floor, Project Directorate, Metro Depot

Bhrihu Path, Mansarovar, Jaipur-302020

CIN: U60221RJ2010SGC030630

Tel: No. 0141-2822781



Website: <http://transport.rajasthan.gov.in/jmrc>; email: dp@jaipurmetrorail.in

No. F.7 (C-536)/JMRC/S&T-1C&1D/Sig/Fin. Estimate/2025/ 843

Date:- 22.01.2026

Contract S&T package JP/JS 02 (Phase 1C & 1D) “Design, Manufacture, Supply, Installation, Testing and Commissioning of Signalling & Train Control System for JMRC Phase 1C & 1D.”

Addendum No. A3

Query S. No.	Original Page/ Last Amendment	Tender document	Clause no. /Item no.	Addendum/ Corrigendum	Replaced/Added page No. in Addendum A3
1	4 and Amendment A2	NIB	1.1.2	Ammended Timeline (Bid Submission End Date & Bid Opening Date)	4R of 9(A3)
2	7R of 14(A1)	SCC	Clause 15 Sub-clause 11.1.3	Inclusion of Price Adjustment/Price Variation in the Contract	7R of (14)A3 and Annexure 1 to SCC Clause 15 (Page 1-3 of A3)
3	6R of 38(A1)	BoQ (A1)	BoQ Annexure B Section summary	Section EW-1C and 1D typo error corrected in Cost Centers C	6R of 38(A3)

Encl: (1) Above Addendum pages
(2) Pre bid replies of LOT3 & LOT 4

(Om Prakash)
Director (Project)

RajKaj Ref No.:
20099467

eSign 1.0



	Queries/clarifications from bidder after due date and time shall not be acknowledged.
Pre-bid Meeting	<p>16.12.2025 at 15:00 hrs.</p> <p>The Pre-bid meeting shall be conducted in physical mode/ through video conferencing by software apps such as Cisco webex etc.</p> <p>This bidder shall have to provide the details of the person(s) (maximum up to two) who will be participating in such virtual meeting at least one day before the meeting (latest by 1100 hrs on 15.12.2025) to the registered official email of JMRC</p> <p>i.e- jmrc.snt.ph1c1d@ jaipurmetrorail.in; so that link having details such as software, meeting ID, password etc. can be mailed to these persons at least 12 hours before the scheduled virtual pre-bid meeting.</p>
Last date of issuing addendum (if any)	26.12.2025
Date & time of Submission of Bid offline in single stage two envelop	Bid submission start date 26.12.2025(09:00 hrs).Bid submission end date 29.01.2026 (18:00 hrs) in hard copy at office of undersigned
Date & time of opening of Bid	30.01.2026 at 11:30 hrs.
Authority for purchase of Bid documents, seeking clarifications and submission of completed Bid documents	<p>Director Project, Jaipur Metro Rail Corporation Ltd., 1st Floor, A-Wing, Admin Building, Bhrigu Path, Mansarovar Metro Depot, Mansarovar, Jaipur-302020 Contact; +91-141-2822781 / 2822106 E-Mail id: - jmrc.snt.ph1c1d@ jaipurmetrorail.in.</p>

SECTION EW-1C and 1D

Cost Centres	Description of Cost Centres	Rupee Amount (INR)
A	Preliminaries and General Requirements	
B	Detailed Design	
C	Manufacture and Delivery	
D	Installation and Site Testing	
E	Partial Acceptance Test, System Acceptance Tests	
F	Integrated Testing and Commissioning, Train Tests	
SECTION TOTAL CARRIED TO BID TOTAL		

SECTION MS - Miscellaneous		
Cost Centres	Description of Cost Centres	Rupee Amount (INR)
A	Training, Contract Spares and Special tools, DLP Support	
B	Operating and Maintenance Manual	
SECTION TOTAL CARRIED TO BID TOTAL		

		<p>recoverable from the Contractor by the Employer;</p> <p>2. require the Engineer to determine and certify a reasonable reduction in the Contract Price, or</p> <p>3. if the defect or damage is such that the Employer has been deprived of substantially the whole of the benefit of the Works or parts of the Works, terminate the Contract in respect of such parts of the Works as cannot be put to the intended use, the Employer shall then be entitled to recover all sums paid for such parts of the works together with the cost of dismantling the same, clearing the site and retiming Plant, Rolling Stock and Materials to the Contractor.</p>
14.	Sub Clause 11.1	<p>This clause is to be read in conjunction with GCC Sub Clause 11.1, ITB clause C2.4, C2.5, C2.6</p> <p>The Contract Price Inclusions / Exclusions</p> <p>The Contract Price shall be as specified in Clause-4 of the Contract Agreement as given in Appendix-7 of Contract Form.</p> <p>The rates and prices quoted in the Bill of Quantities shall be quoted separately in Indian Rupees.</p> <p>The bidder shall quote lump sum price inclusive of all Central/State/Local taxes (except GST and custom duty which will be paid extra as applicable), duties, levies, cess on duties, freight, insurance and all other incidental charges required to fulfill the contract requirements including statutory deduction viz., TDS towards Income Tax/GST/Works Contract Tax /Labor Cess and any other Tax etc. and except Custom duty/ exemptions thereto, to the extent the same are applicable and available.</p>
15.	Sub Clause 11.1.3	<p>Clause to be read as per Annexure-1 to SCC.</p>
16.	Sub Clause 11.1.4	<p>Following to be read in conjunction with GCC sub clause:</p> <p>Changes in Laws and Regulations:</p> <p>Any new taxes/duties/Laws or any statutory variation in the existing taxes/duties/laws applicable to the JMRC project during the contractual completion shall be to the employer’s account i.e. reduction is to be passed on to the employer and increase to be reimbursed by the employer, The contractor shall furnish the documentary evidence in support of their claims for reimbursement from JMRC, However, any increase in cost due to new taxes/duties/laws or any statutory variation in the existing taxes/duties/laws applicable to the JMRC project during extended contractual period due to contractors fault shall be to contractor</p>

Annexure-1 to SCC (Refer Addendum A3)

S.No.	Clause	Description
15	Sub Clause 11.1.3	<p>Adjustments for Changes in Cost: (i) Adjustment in contract price on account of inflation: - The rates as per the accepted Bill of Price bid shall be applicable till the completion of the Work and will be varied only to the extent of permissible price variation under this Clause. However, this adjustment shall be to the extent that full compensation for any rise or fall in costs to the Contractor if not covered by the Price variation formula, the rates in the accepted Price Bid shall be deemed to include amounts to cover the contingency of such rise or fall in costs. Payment as per the contract shall be subject to adjustment in accordance with the following Price Variation formula, and other terms given herein, to provide for variation in the market rates of inputs like labour, materials and power/fuel during the currency of the Contract: $V = VI + Vf + Vm$ Where, V = Total adjustment on account of all factors VI = Adjustment on account of labour component $= p \times R \times (I - I_0) / I_0$ Vf = Adjustment on account of Fuel & Power component $= q \times R \times (Wf - Wfo) / Wfo$ Vm = Adjustment on account of Material $= r \times R \times (Wm - Wmo) / Wmo$ P = Cost Coefficient of Labour to the Total Cost $= 0.30$ q = Cost Coefficient of Fuel and Power to the Total Cost $= 0.15$ r = Cost Coefficient of other Material to the Total Cost $= 0.25$ Note: $p + q + r = 0.70$, balance 0.30 shall be fixed component R = Gross value of the work done by the Contractor for the period of work under consideration, after excluding there from the cost of any materials supplied free or at fixed rate to the Contractor I_0 = Consumer Price Index for Industrial workers, published by Labour Bureau, Govt. of India as applicable to Jaipur area for the previous month in which the bid was opened. I = Average of monthly Consumer Price index for Industrial workers published by Labour Bureau, Govt. of India as applicable to Jaipur area for the period of work under consideration. Wfo = Whole Sale Price Index (Averages) for Fuel & Power, as published in the RBI Bulletin for the previous month in which the bid was opened. Wf = Wholesale Price Index (Averages) for Fuel & Power, as published in the RBI Bulletins for the period of work under consideration.</p>

	<p>Wmo= Whole Sale Price Index (Averages) for All Commodities as published in the RBI Bulletin, for the previous month in which the bid was opened.</p> <p>Wm = Wholesale Price Index (Averages) All Commodities as published in the RBI Bulletins for the period of work under consideration.</p> <p>Note:</p> <ul style="list-style-type: none"> • The Wholesale Price indices as published by Economic Advisor, Ministry of Commerce and Industry are based on 2011-12 series. • For bids to be executed outside Delhi, minimum daily wage issued by Chief Labour Commissioner (central) of the respective area is to be taken. <p>Period of work under consideration will mean as under;</p> <p>a) In the case of first “On- account Bill” the period from the month in which the bid was awarded to the month of measurement of the first bill.</p> <p>b) In the case of second and subsequent “On-account” and Final bills, the period from the date of measurement for previous bill to the date of measurement of that bill.</p> <p>Note: Responsibility of arranging the published indices/minimum wages desired by the Employer or the Engineer shall rest with the Contractor.</p> <p>Procedure in case of Delay in Availability of Final Indices: Where the final Price/ minimum wages Indices are not available, while making payment towards on-account bills, payment towards Price Variation will be made on provisional basis based on the indices/ minimum wages available, to be adjusted in subsequent bills as and when the final Indices/ minimum wages figures become available.</p> <p>(ii) Price Variation for Extra Items Normally, no price variation clause shall be applicable to any extra item/new rates not originally included in the accepted Price Bid and for which the rates are fixed separately under clause 12 of GCC. It shall, however be open to the Engineer to accept price variation clause in such cases where the rates are not based on actual and work is likely to continue for more than one year.</p> <p>(iii) Adjustment on Account of Price Variation Adjustment on account of Price Variations may be positive (in which case an additional amount shall be paid to the Contractor), or negative (in which case the amount of Price Variation shall be recovered from the Contractor). Adjustment on account of Price Variation shall be calculated separately, for each period, between two successive dates of measurements for bills and paid along with each bill or separately as claimed by the contractor. After verifying the bill, the Engineer shall certify the adjustment amount and advise the same to the Employer along with the ‘On Account’ bill. Should any extra amount be due to Contractor, the Employer shall pay the same as far as possible within 28 days of certification by the Engineer. Any amount due from the Contractor on account of negative adjustment shall be recovered from his pending payments at the earliest.</p> <p>(iv) Price Variation during Extended Period of Completion The price adjustment as worked out above i.e. either increase or decrease will be applicable up to the stipulated date of completion of the work including the extended period of completion where such extension has been granted under Clause 8.4.1 of GCC [Extension of Time for</p>
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		<p>Completion] or it is specifically mentioned that extension is with price variation also.</p> <p>If the Contractor fails to complete the Works within the Time for Completion, adjustment of prices thereafter shall be made using either (i) each index or price applicable on the date 49 days prior to the expiry of the Time for Completion of the works, or (ii) the current index or price: whichever is more favourable to the Employer.</p>
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JAIPUR METRO RAIL CORPORATION LIMITED

Name of Work : "DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF TRAIN CONTROL & SIGNALLING SYSTEM FOR JMRC 1C & 1D"

TENDER NO. JP/JS02 (Phase 1C & 1D)

Name of the Bidder: Alstom Transport India Limited

PRE BID QUERIES REPLIES (LOT-3)

Sr. No.	Volume No./Part No.	Clause No. and Page No.	Bid Condition	Bidder's Queries	JMRC Reply to Bidder
1	Vol. 6 - Pricing document	Schedule H- Miscellaneous (additional requirements) Page 949/1265	Item No.2 - 3rd party Control table verification Item No.3 - Furniture	Bidder requests to delete both these items as they are not part of GCC, PCC, GS and PS.	Bidder to follow bid conditions.
2	Vol.1-GS	GS : 2.6.11, 3.5.3, 9.2.4, 9.2.5, 9.2.6, App. 5 section 5, 8.3, PS : 3	Type test & Factory acceptance Test requirements	Bidder requests to delete all Type tests requirements for products which are been used in existing JMRC tender or elsewhere in INDIA metro projects.	Bidder to follow bid conditions.
3	Vol - 4 PS	4.7, 4.7.1, 4.10.4	Signalling headway system shall provide a theorital signalled headway of 210 seconds or better on entire line 2	Bidder requests to review the headway values provided in the RFP document. The theoretical (i.e Design) headway mentioned as 210 seconds, whereas operation Headway mentioned as 180 seconds. Theoretical Headway shall be lesser than Operational Headway.	Bidder to follow bid conditions.

JAIPUR METRO RAIL CORPORATION LIMITED

Name of Work : “DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF TRAIN CONTROL & SIGNALLING SYSTEM FOR JMRC 1C & 1D”

TENDER NO. JP/JS02 (Phase 1C & 1D)

Name of the Bidder: Alstom Transport India Limited

PRE BID QUERIES REPLIES (LOT-4)

Sr. No.	Volume No./Part No.	Clause No. and Page No.	Bid Condition	Bidder's Queries	JMRC Reply to Bidder
1	Addendum A1 4R		Bid submission start date 01.01.2026 (09:00 hrs). Bid submission end date 15.01.2026 (18:00 hrs) in hard copy at office of undersigned	Bidder would like to highlight that preparation and internal approval process. Bidder requires sufficient time to submit the bid. In this regard, we request JMRC to extend the Bid submission date by 1 week from the current bid submission date of 15.01.2025 (i.e. extension up to 23.01.2026 as requested in our initial queries.	Addendum no. 4R of A3 issued for revised tender timeline.
2	JMRC Reply to Pre bid query SL No 9	VO1-1, FOB Liquidated Damages for Delay	i) Liquidated damages shall be levied as given in Appendix 4 of Contract Forms for not achieving the respective key date. Liquidated Damage as 0.01% of the fixed lump sum price per week of delay for the key dates. (ii) The maximum limit of Liquidated Damages shall be 10% of the total Contract Value.	1) Bidder request to specify the weekly Liquidated Damage as 0.01% of the fixed lump sum price value of delayed milestone and not on contract value per week of delay for the key dates. 2) Any imposition of LD on account of delay in accomplishing Key Dates will be waived and LD amount if deducted will be returned (without interest) provided Contractor is able to accomplish key date KD7 (as per contracted schedule). 3) Bidder request to remove the Liquidated Damages applicability from the KD8 (ROD) as date of opening of the section for revenue services which is not in control of the contractor.	Bidder to follow bid condition.
3	JMRC Reply to Pre bid query SL No 11	Vol-4/Employer's Requirement-particular-(PS) Vol-2 SCC PS 4.4.4 Additional Clause 28	4.4.4 Service Life 4.4.4.1 All components, materials, software and other support required to repair and service all Train Control and Signalling System shall be available for at least 20 years from the Employer's Taking over of the Works or Section. The exception to this shall be the central control equipment, which shall be available for at least 10 years from the Employer's Taking over of the Works or Section. Additional Clause 28 CAMC works JMRC shall enter in to AMC of 1C/1D section after nominal DLP period of 2 years at mutually agreed conditions with bidder.	Req't to be rephrased to: All components, materials, software and other support required to repair and service all Train Control and Signalling System shall be available for at least 20 years from the Employer's Taking over of the Works or Section, subject to JMRC shall enter into CAMC of 1C & 1D section after nominal DLP period of 2 years. This AMC contract shall be renewed periodically and maintained continuously throughout the 20-year (10 + 10) years of service life. Bidder request to add the below clause similar to Jaipur 1A and 1B CAMC Contract (NIB NO.: -JMRC/O&S&T/NIB/2025-26/13)	Bidder to follow bid condition.
4	JMRC Reply to Pre bid query	SCC Clause 15, Sub Clause 11.1.3	Price Adjustment The price adjustment shall be done in accordance with provisions of SCC Clause 15 and sub clause 11.1.3 Sub Clause 11.1.3 The Contract is designed based Lump sum price Contract, no adjustment for changes in cost is applicable. The fixed lump sum price shall be apportioned by the Contractor amongst the various cost centers in accordance with the Appendix-1 of the Contract Forms.	Price adjustment - Design & Build Alstom request JMRC to include Price Adjustment formula in contract price including variation quantity on account of inflation similar to all recent tenders including recent extension contract under execution under various Metro bodies. DMRC Line 10 DS-06), recent extension tender such Mumbai L7/L9 (MS01A), Pune Metro (PMRP P1A-S-01/2025) to be considered as reference. Payment as per the contract shall be subject to adjustment in accordance with the following Price Variation formula, and other terms given herein, to provide for variation in the market rates of inputs like labour, materials and power/fuel during the currency of the Contract: V = VI + Vf + Vm Where, V = Total adjustment on account of all factors VI = Adjustment on account of labour component = p x R x (I - I ₀) / I ₀ Vf = Adjustment on account of Fuel & Power component = q x R x (Wf - Wfo) / Wfo Vm = Adjustment on account of Material = r x R x (Wm - Wmo) / Wmo P = Cost Coefficient of Labour to the Total Cost = 0.30 q = Cost Coefficient of Fuel and Power to the Total Cost = 0.15 = Cost Coefficient of other Material to the Total Cost = 0.25 Note: p+ q + r = 0.70, balance 0.30 shall be fixed component	Refer enclosed Addendum 7R, Annexure 1 of A3

Sr. No.	Volume No./Part No.	Clause No. and Page No.	Bid Condition	Bidder's Queries	JMRC Reply to Bidder																											
	SL No 14	Sub Clause 11.1.3		<p>R = Gross value of the work done, in respective currencies by the Contractor for the period of work under consideration, after excluding there from the cost of any materials supplied free or at fixed rate to the Contractor.</p> <p>Io = Consumer Price Index for Industrial workers, published by Labour Bureau, Govt. of India as applicable to All India for the previous month in which the bid was submitted.</p> <p>I = Average of monthly Consumer Price Index for Industrial workers published by Labour Bureau, Govt. of India as applicable to All India for the period of work under consideration.</p> <p>Wfo = Whole Sale Price Index (Averages) for Fuel & Power, as published in the RBI Bulletin for the previous month in which the tender was submitted.</p> <p>Wf= Wholesale Price Index (Averages) for Fuel & Power, as published in the RBI Bulletins for the period of work under consideration.</p> <p>Wmo= Whole Sale Price Index (Averages) for All Commodities as published in the RBI Bulletin, for the previous month in which the tender was submitted.</p> <p>Wm = Wholesale Price Index (Averages) All Commodities as published in the RBI Bulletins for the period of work under consideration.</p>																												
5	JMRC Reply to Pre bid query SL No 8, LOT 2	APPENDIX V – KEY DATES	APPENDIX V – KEY DATES	<p>Access Dates are missing in the RFP. Bidder request JMRC to provide the Access Dates.</p> <p>Access dates are imperative for planning & scheduling of our executive activities, hence would request you to kindly reconsider, providing these details.</p>	<p>Tentative access date are as under:-</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th rowspan="2"></th> <th colspan="2">Shared access for</th> <th colspan="2">Shared access for</th> </tr> <tr> <th>UP tunnel</th> <th>DN tunnel</th> <th>Station room</th> <th>Viaduct</th> </tr> </thead> <tbody> <tr> <td>1C</td> <td></td> <td>25/10/2027</td> <td>27/01/2028</td> <td>23/02/2028</td> <td>30/09/2026</td> </tr> <tr> <td rowspan="2">1D</td> <td>Ajmer road chauraha</td> <td>N/A</td> <td>N/A</td> <td>04/08/2026</td> <td>30/09/2026</td> </tr> <tr> <td>Transport Nagar</td> <td>N/A</td> <td>N/A</td> <td>07/06/2027</td> <td>24/02/2027</td> </tr> </tbody> </table>			Shared access for		Shared access for		UP tunnel	DN tunnel	Station room	Viaduct	1C		25/10/2027	27/01/2028	23/02/2028	30/09/2026	1D	Ajmer road chauraha	N/A	N/A	04/08/2026	30/09/2026	Transport Nagar	N/A	N/A	07/06/2027	24/02/2027
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6	JMRC Reply to Pre bid query SL No 10, LOT 1	Vol-1 - NIB Completion period of the Work Vol-2 GCC 8.4	Vol-2 Extension of Time 8.4.1	<p>Bidder observed as per RFP clause. only Extension of Time (EOT) will be granted by JMRC without any delay compensation which is not attributable to contractor.</p> <p>Accordingly, Bidder request JMRC to provide cost compensation in case of delay for reasons not attributable to contractor. Accordingly Bidder request JMRC to include delay cost compensation methodology as per standard practise.</p>	Bidder to follow bid condition.																											
7	Addendum 1 PS	Clause 3.2.1.2(22) Additional	Cyber security in Signalling systems is crucial for ensuring safe, uninterrupted, and fail-safe train operations in an increasingly digital infrastructure. Modern metro systems use networks that are vulnerable to cyber threats such as unauthorized access, data tampering, malware attacks, and service disruption. To mitigate these risks, Signalling system must ensure provision for cyber security frameworks must integrate strong network segregation, data transmission, role-based access control, intrusion detection and prevention as per international standards like IEC 62443 and ISO 27001. Regular Risk Assessment, vendor risk assessments, and operator training further enhance resilience, ensuring both passenger safety and operational integrity.	<p>1) Bidder understanding Cyber Security as specified in the tender document is applicable only for Phase 1C & 1D. Please confirm</p> <p>2) Bidder request JMRC to amend the following clause as Cyber security in Signalling systems is crucial for ensuring safe, uninterrupted, and fail-safe train operations in an increasingly digital infrastructure. Modern metro systems use networks that are vulnerable to cyber threats such as unauthorized access, data tampering, malware attacks, and service disruption. To mitigate these risks, Signalling system must ensure provision for cyber security frameworks must integrate strong network segregation, data transmission, role-based access control, intrusion detection and prevention as per international standards like IEC 62443 and ISO 27001. Regular Risk Assessment, vendor risk assessments, and operator training further enhance resilience, ensuring both passenger safety and operational integrity.</p>	Will be dealt at design level																											
8	JMRC Reply to Pre bid query SL No 13 SHE	6.2.6.1	<p>** Safety/Environment personnel should be as per Conditions of Contract on Safety & Health and Environment.</p> <p>6.2.6 Employment status of Environment personnel 6.2.6.1 No contractor shall engage Environment manpower from any outsourcing agencies in which case the effectiveness would be lost. All Environment manpower shall be on the payroll of the main contractor only and not on the payroll of any subcontractor or outsourcing manpower agencies etc.</p>	<p>As per ITB Annexure 3 [As per clause C12.1], note "*** Safety/Environment personnel should be as per Conditions of Contract on Safety & Health and Environment."</p> <p>Bidder request JMRC to allow Housekeeping Manager on Third party payroll or any external agency instead on the payroll of the main contractor only till scheduled ROD as per contract.</p> <p>Kindly confirm bidder's proposal.</p>	Bidder to follow bid condition.																											

Sr. No.	Volume No./Part No.	Clause No. and Page No.	Bid Condition	Bidder's Queries	JMRC Reply to Bidder																																			
9	Volume 7 Condition of Contract on Safety & Health And Environment	Clause No. 6.1.5, page no. 15 and ITB, Annexure-3, Page no 30	<p>6.1.5 Employment status of Safety & Health personnel</p> <p>6.1.5.1 No contractor shall engage Safety & Health manpower from any outsourcing agencies in which case the effectiveness would be lost. All Safety & Health manpower shall be on the payroll of the main contractor only and not on the payroll of any subcontractor or outsourcing manpower agencies etc. This condition does not apply to positions like traffic marshals who are engaged almost on a daily requirement basis.</p> <table border="1"> <thead> <tr> <th colspan="5">Other Personnel / Other staff</th> </tr> <tr> <th>S. No.</th> <th>Position</th> <th>Minimum no. required</th> <th>Qualification</th> <th>Experience</th> <th>Penalty on non-deployment per month per person</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Safety Steward**</td> <td>1</td> <td>Senior Secondary School qualified with minimum Six Months duration Certificate Course in Safety.</td> <td>Minimum 1 year in construction sector</td> <td>As per Safety Health and Environment manual</td> </tr> <tr> <td>2.</td> <td>Junior Safety (Fire) Manager**</td> <td>1</td> <td>Any Diploma holder with any Govt. recognized diploma in Fire Safety.</td> <td>Minimum 3 years in construction sector</td> <td>As per Safety Health and Environment manual</td> </tr> <tr> <td>3.</td> <td>Occupational Health officer with necessary Nursing Asstetants (Part Time)**</td> <td>1</td> <td>MBBS with Govt. recognized degree/diploma in Industrial/ occupational health</td> <td>1 years in construction sector</td> <td>As per Safety Health and Environment manual</td> </tr> <tr> <td>4.</td> <td>Labour Welfare Officer**</td> <td>1 for Every 500 Work men</td> <td>Any Degree with Govt. Recognized Degree / Diploma / P G Diploma in Labour Welfare related fields like Law, Personnel / Industrial Relations etc.</td> <td>2 years in construction sector</td> <td>As per Safety Health and Environment manual</td> </tr> </tbody> </table>	Other Personnel / Other staff					S. No.	Position	Minimum no. required	Qualification	Experience	Penalty on non-deployment per month per person	1.	Safety Steward**	1	Senior Secondary School qualified with minimum Six Months duration Certificate Course in Safety.	Minimum 1 year in construction sector	As per Safety Health and Environment manual	2.	Junior Safety (Fire) Manager**	1	Any Diploma holder with any Govt. recognized diploma in Fire Safety.	Minimum 3 years in construction sector	As per Safety Health and Environment manual	3.	Occupational Health officer with necessary Nursing Asstetants (Part Time)**	1	MBBS with Govt. recognized degree/diploma in Industrial/ occupational health	1 years in construction sector	As per Safety Health and Environment manual	4.	Labour Welfare Officer**	1 for Every 500 Work men	Any Degree with Govt. Recognized Degree / Diploma / P G Diploma in Labour Welfare related fields like Law, Personnel / Industrial Relations etc.	2 years in construction sector	As per Safety Health and Environment manual	<p>As per ITB Annexure 3 [As per clause C12.1], note "*** Safety/Environment personnel should be as per Conditions of Contract on Safety & Health and Environment."</p> <p>Bidder proposes JMRC to consider one Senior Safety Manager position on Main contractor payroll till ROD as per project schedule and other positions like Junior Safety (Fire) Manager, Junior Safety (Electrical) Manager & Safety Steward are on Third party payroll or any external agency.</p> <p>Kindly confirm bidder's proposal.</p>	Bidder to follow bid condition.
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3.	Occupational Health officer with necessary Nursing Asstetants (Part Time)**	1	MBBS with Govt. recognized degree/diploma in Industrial/ occupational health	1 years in construction sector	As per Safety Health and Environment manual																																			
4.	Labour Welfare Officer**	1 for Every 500 Work men	Any Degree with Govt. Recognized Degree / Diploma / P G Diploma in Labour Welfare related fields like Law, Personnel / Industrial Relations etc.	2 years in construction sector	As per Safety Health and Environment manual																																			
10	JMRC Reply to Pre bid query SL No 39	Volume 3 Requirements- General Specification (GS) Appendix-10 Miscellaneous, Clause - 2) Scope of work	<p>2 II. Provision of two no. of Chauffeur driven air-conditioned car (mileage 3000 kms per month) (SUV, Toyota (Crysta) or similar), round the clock one for inspection and other for emergency requirements by 'The Engineer' or it's representative, throughout the contract period. Vehicles should be available at the control room round the clock.</p> <p>1) General This Chapter of this General Specification specifies the other miscellaneous requirements to be fulfilled by the JP/JS02 signalling Contractor. The requirements specified herein shall be to assist the Project Engineer in effect the discharge of his duties commencing from issuance of Letter of Acceptance and shall continue up to 12 months post ROD of phase 1C & 1D.</p>	<p>Bidder request to kindly clarify the following queries related to engineer's car requirement</p> <ol style="list-style-type: none"> 1. Mileage 3000 kms / month is for both the Cars combined? Please confirm 2. As 'the Employer Engineer' will be working in general shift during project phase, we feel the inspection car is required during day time only. Please confirm 3. The emergency requirement car will be required only during daytime? Please confirm 4. Both the Cars (Inspection & Emergency) are required till the ROD of last section during day time only? Please confirm 5. SUV, Toyota (Crysta) or similar - Bidder request JMRC to consider Chauffeur driven air-conditioned Swift Dezire or similar Sedan car in good condition. Please confirm <p>Bidder request JMRC to remove the car requirement after ROD of Phase 1C & 1D.</p>	<ol style="list-style-type: none"> 1. Provision of two no. of Chauffeur drien air-conditioned car (mileage 3000 Kms per month for each car) (SUV, Toyota (Crysta) or Similar), round the clock one for inspection and other for emergency requirements for the Engineer and the Employer. <p>2,3,4,5 : Bidder to follow bid conditions.</p> <p>Bidder to follow bid condition.</p>																																			
11	Vol. 6 - Pricing document	Annexure B Section Summaries Page 36/90 Bid corrigendum	<p>SECTION EW-1C and 1D</p> <table border="1"> <thead> <tr> <th>Cost Centres</th> <th>Description of Cost Centres</th> <th>Rupee Amount (INR)</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Preliminaries and General Requirements</td> <td></td> </tr> <tr> <td>B</td> <td>Detailed Design</td> <td></td> </tr> <tr> <td>C</td> <td>Manufacture and Delivery Installation and Site Testing</td> <td></td> </tr> </tbody> </table>	Cost Centres	Description of Cost Centres	Rupee Amount (INR)	A	Preliminaries and General Requirements		B	Detailed Design		C	Manufacture and Delivery Installation and Site Testing		Bidder understands Cost center C is purely dedicated for material, so installation and site testing is typo error. Please confirm.	Bidder to follow bid condition.																							
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12	JMRC Reply to Pre bid query SL No 15 Vol-4/Employer's Requirement-particular-(PS) Pricing Document	3.2.2 Services Schedule H- Miscellaneous (additional requirements)	(3) Assist and provide all information, documents required by Independent safety assessor, if appointed by JMRC; Item No. 01 / Description : ISA	<p>Bidder understands ISA will be appointed by engineer/Employer.</p> <p>Bidder requests to delete Item No. 01 / Description : ISA under Schedule H-Miscellaneous (additional requirements)</p>	Bidder to follow bid condition.																																			

Sr. No.	Volume No./Part No.	Clause No. and Page No.	Bid Condition	Bidder's Queries	JMRC Reply to Bidder
13	JMRC Reply to Pre bid query SL No 17 Employer's Requirement-particular-(PS)	APPENDIX H – VIDEO SCREEN	The existing video wall with adding two cubes to it, shall be used for phase-1C and 1D, the contractor shall make necessary modification in software/hardware to make it compatible for running application of phase- 1A, 1B and phase-1C and 1D. The contractor to also ensure the availability of two spare ports at controller after the addition of two cubes.	Bidder requests to delete this clause. The existing ATS HMI will be augmented with Ph 1C &1D tracks. As the existing commissioned Videowall is robust enough to display extension track of Ph 1C & 1D. There will be no additional Videowall cubes added.	Bidder to follow bid condition.
14	Vol. 6 - Pricing document	Schedule H- Miscellaneous (additional requirements) Page 949/1265	Item No.2 - 3rd party Control table verification	Bidder understands Control Table verification is done by the Engineer/Employer. Contractor at his side, as part of process; design, verification & validation of Control Table is done & report shared with Engineer/Employer. This Item shall be deleted from Schedule H- Miscellaneous (additional requirements) Page 949/1265	Bidder to follow bid condition.
15	JMRC Reply to Pre bid query SL No 23	FORM OF BID – APPENDIX 1	Amount of Professional Indemnity Insurance (PII) AOA (any one accident) limit equal to 6% of the contract value against Schedule 'A' of BOQ in respect of 'design and construct' with AOY (any one year) limit of 2 incidents in a year. In the Professional Indemnity insurance Policy the deductible amount shall not be more than 5% of AOA limit. PII Policy shall be obtained within four weeks from 'date of commencement' and shall be valid for five years after date of issue of 'Performance Certificate'. Wherever the contractor submits policy for shorter period / annual renewable policy, the same shall be renewed before its expiry date. In such situation, the performance guarantee shall be retained till required validity period. The contractor's submission of such shorter period / renewable policy shall be construed as their irrevocable consent for retention of the performance guarantee.	Bidder request JMRC to allow Annual Master PII insurance program for PII Insurance and accordingly request to remove the capping of deductibles in the clause. (inline with JMRC 1A & 1B Contract)	Bidder to follow bid condition.
16	JMRC Reply to Pre bid query SL No 19	Vol-2/Contract Forms Appendix K Man Day Rates	In the JMRC Reply to Pre Bid query it was clarified that "Mentioned man day are only for reference purpose. Refer addendum for updated COF Appendix K. (Page 67R of COF and BOQ 37R)" and below note added in the addendum "There are maximum manday rates to be filled by bidder as per appendix-k of COF. However, payment shall be done as per actual on producing documents by contractor as per employer requirement."	Bidder request JMRC to align the Appendix-K of COF (Addendum) as per reply to queries, as suggested below These are maximum reference manday rates to be filled by bidder as per appendix-k of COF. However ripayment shall be done as per actual on producing documents by contractor as per employer requirement	Bidder to follow bid condition.