



# Madhya Pradesh Metro Rail Co Ltd. (MPMRCL)

(A Government of Madhya Pradesh Undertaking)

CIN: U75100MP2015SGC034434

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## Clarifications

No.: 5631/MPMRCL/2018

Date: 27.08.2018

With reference to Tender Notification No. MPMRCL/Indore Metro/2018/Package-02A/01, Date: 16.07.2018 regarding “Design and Construction of Elevated Viaduct of Length 5.290 kms between ISBT/MR10 Flyover and Mumtaj Bag Colony (excluding stations) for Indore Metro Rail Project – Phase 1” (Contract No: Indore Package – 02A/01), the Clarifications to the queries raised by the Tenderers are as follows:

Sr. No.	Tender Document Reference	Clause/Sub-Clause/Para (Page No)	Tender Document Excerpt/ Title/ Particulars of Tender Document	Description of Query	MPMRCL's Reply
1	Volume I, NIT	1.2, Table, third row (6 of 101)	Completion Period - 27 MONTHS (including monsoon Period)	Considering volume of work involved we request you to revise the completion period to a minimum of 36 months.	The Tender conditions shall prevail.



2	Volume I, NIT	1.2, Table, tenth & eleventh row (7 of 101)	Last time & date of submission of Tender online - 18:00 hrs. on 06.09.2018	Considering the complexity and quantum of the project, we request you to kindly extend the last date of submission at least by three weeks from date of issue of clarifications	The Tender Conditions shall prevail.
3	Volume I, NIT	1.2, Table, tenth & eleventh row (7 of 101)	Due Date Extension	We request the Authority to grant at least 14 days from last date of addendum issued i.e. upto 11.09.2018 as usually it 21 days across all tender across world.	The Tender Conditions shall prevail.
4	Volume I, NIT	1.2, Table, tenth & eleventh row (7 of 101)	Last time & Date of submission of Tender online: 18:00 hrs. on 06.09.2018	Considering the scope of work involved especially tender stage design of the works, quantity take offs, quantifying and pricing for chartered utilities, time provided for bidding is not sufficient. Bidder request Employer to extent the present tender submission date by at least one month.	The Tender Conditions shall prevail.
5	Volume I, NIT	1.3.1.4 (9 of 101)	A firm, who has purchased the tender document in their name, can submit the tender either as an individual firm or in JV/ Consortium. However, the lead partner in case of JV/Consortium must have the experience of 'Metro Viaduct'/ Viaduct/ Bridge/ Flyover	Please confirm that the tender Purchased by any other partner (Not Lead Partner) individually can also submit the tender in JV with Lead Partner.  Please confirm that no online registration is required of JV for	Yes.  Yes.



			construction.	Purchase of Tender jointly. Any Partner either other Partner or Lead Partner can do the registration alone and can purchase the tender document as per this Clause.	The Tender Conditions shall prevail.
6	Volume I, NIT	1.3.2.2 (a) (10 of 101)	<p>The tenderers will be qualified only if they satisfy the minimum eligibility criteria as given below within the past 10 years ending on 31.03.2018:</p> <p>a) At least one “Similar Work” ** of value of INR 206 Crores or more.</p> <p>i. Similar Work” for this contract shall be the construction of ‘Metro Viaduct’/ Viaduct/ Bridge/ Flyover (excluding approaches &amp; embankments) having a pre-stressed concrete super structure.</p>	<p>The similar Works required as per this clause 1.3.2.2 of Rs 206 Crores can be considered from any single work of similar nature work cumulatively containing more than one bridge i.e. any no bridges ranging of different values of different structures of bridge/flyover in the same single project whose total value is cumulatively Rs 206 Crores or more will be considered.</p> <p>We presumed that Such Project as mentioned above will be considered for qualification.</p> <p>Please Confirm.</p>	<p>Any number of bridges with pre-stressed concrete superstructure in a single contract of "Similar Work" of cumulative value at least INR 206 Crores or more shall be acceptable, with documentary evidences of completion certificate from the Client.</p> <p>The Tender Conditions shall prevail.</p>



7	Volume I, NIT	1.3.2.3 (11 of 101)	<p>The Tenderer will be qualified only if they satisfy the following requirements as given below.</p> <p>The Tenderer has to furnish the details of Detailed Design Consultant (DDC), whom they propose to engage for this Contract. The proposed DDC should have successfully completed Detailed Design Consultancy for at least 4 km length in one work of 'Metro Rail viaduct' project or in two works of Metro Rail viaduct projects combined together, within 10 years ending 31.03.2018. There is no bar for the DDC to be a member of the JV/Consortium.</p>	<p>We request the Authority to consider the Detailed Design Consultant (DDC) as mentioned below: -</p> <p>The proposed DDC should have successfully completed Detailed Design Consultancy for at least 4 km length in one work of 'Viaduct' project or in two works of Viaduct projects combined together will also be considered.</p> <p>Please confirm.</p>	Tender Conditions shall prevail.
8	Volume I, ITT	2.1.8 (19 of 101)	<p>The Tenderer whosoever is submitting the Tender by his digital signature certificate shall invariably upload the scan copy of the authority letter as well as submit the hard copy of the same in original with the tender submission.</p>	<p>We presumed that the POA issued in favor of Authorized signatory as per Clause 3.4.1 of ITT will suffice the requirement of this clause along with detail of DSC submitted.</p> <p>Please Confirm.</p>	The Tender Conditions shall prevail.



9	Volume I, ITT	4.2.1 (22 of 101)	The Contractor is advised to conduct further investigations considered necessary by him at his own cost and any error, discrepancies if found in Employer's data at any stage will not constitute ground for any claim for extra time and costs	Due to short time provided for bidding, it is not possible to carry out confirmatory boreholes. Boreholes, provided by Employer are not sufficient and there is huge risk on foundation design. Hence, bidder request Employer to keep provision of time and cost compensation for any change in soil data w.r.t. data provided along with tender.	The tenderer should satisfy himself with the data furnished and make his own investigations if required before submitting his offer.  The Tender Conditions shall prevail.
10	Volume I, ITT	5.2.2 (dd) (26 of 101)	All original tender documents issued by the Employer are part of Technical Bid except the volume containing the Volume VII: Pricing Document which shall be filled and submitted in Financial Bid. Tenderers should carefully read and note all the conditions and provisions mentioned in original tender documents issued by the Employer and it shall be deemed that all the conditions and provisions of these documents have been included in their tender submission and accepted by them. The tender shall be submitted online by digital signature of the authorized signatory of the tenderer.	We presumed that only an undertaking regarding acceptance and understanding of document will suffice the requirement as per this clause.  Please Confirm as applicable.	All the Tender Documents to be submitted online duly signed by digital signature of the Authorised signatory.  The Tender Conditions shall prevail.



11	Volume I and III, ITT and ER	-	<p><u>Volume I, ITT, Cl: 5.13 (pg 29)</u> - The Contractor shall deploy plant and equipment required to complete the work as per the schedule and within the completion period with minimum of numbers given in Annexure – 5 of ITT</p> <p><u>Volume III, ER, Cl: 10.3 (pg: 50)</u> - All Contractor's Equipment used on the Works shall be less than five (5) years old at the commencement of the Contract. If the Contractor proposes to use any equipment older than five years old they shall seek the approval of the Engineer.</p>	<p>Maximum age of the equipment's ITT stipulates maximum permissible age of the equipment's up to 8 years. Whereas, Employer requirements stipulates maximum permissible age of the equipment's up to 5 years. Hence there is a discrepancy in tender documents with regard to "age of the equipment's".</p> <p>Please clarify.</p> <p>Even otherwise, it is impractical to cap age of such equipment. Any agency will always have new and old equipment and refurbishing old equipment is a continuous process. The age may be increased to 10 years and/ or in good condition which will be certified as such by an authorized agency.</p>	<p>Maximum permissible age as stated in Annexure – 5 of Volume I shall prevail.</p> <p>The Tender Conditions shall prevail.</p>
12	Volume I, ITT, Annexure - 5	Table, Sr. No. (h) (46 of 101)	Table Sl. No 1(h): Launching Girders- 2nos	We understand, this is applicable only if superstructure proposed is Segmental Box and for other methods it is not applicable. Kindly Confirm.	Yes. The Tender conditions shall prevail.



13	Volume I, ITT, Annexure - 5	- (46 of 101)	<p>Launching Girders- Minimum 03 Nos.</p> <p>Concrete Boom Placer Pumps- Minimum 03 Nos.</p> <p>Stationary Concrete Pumps- Minimum 03 Nos.</p>	<p>Bidder request Employer to reduce number of launching Girders to 02.</p> <p>Bidder request Employer to reduce number of Concrete Boom Placer Pumps to 02.</p> <p>Bidder request Employer to reduce number of Stationary Concrete Pumps to 02.</p>	The Tender Conditions shall prevail.
14	Volume I, NIT, Annexure - 6	- (48 of 101)	<p>SFMS Detail</p> <p>Not Available in Document</p>	<p>As per the new RBI Guidelines issued SFMS detail are required for preparing of Bank Guarantee.</p> <p>Therefore please provide the following detail required for preparation of BG by SFMS:-</p> <p>Structured Financial Messaging System (SFMS)</p> <p>Beneficiary bank:- _____</p> <p>Bank Account No:- _____</p> <p>Branch Address:- _____</p> <p>Branch IFSC Code: _____</p>	The Tender Conditions shall prevail.



15	Volume I, ITT, Annexure - 6	- (48 of 101)	The Tender Conditions shall prevail.	<p>Bidder requests to provide the beneficiary bank account details as per the RBI Guideline (SFMS Details) to obtain Tender Security (Bank Guarantee).</p> <p>Bank Name:</p> <p>Branch with address:</p> <p>Bank Account Name:</p> <p>Bank Account No.:</p> <p>IFSC Code:</p>	The Tender Conditions shall prevail.
16	Volume I, ITT, Annexure - 6	1 (48 of 101)	<p>.....which expression shall unless it be repugnant to the subject or context thereof include its, successors and assigns) having agreed to receive the Proposal of ..... (a company registered under the Companies Act, 1956/ 2013 or firm) and having its registered office at..... (and acting on behalf of its firm/JV/ Consortium)</p>	<p>We presumed that if the bidder is JV and Bid is to be submitted in JV then the format should be suitably modified as mentioned below:-</p> <p>Suppose below are participant          ABC Ltd          XYZ Ltd          ABC – XYZ (JV) is the Joint Venture in that case the JV format should be modified appropriately as mentioned below:-</p>	The Tender Conditions shall prevail.





				<p>Which expression shall unless it be repugnant to the subject or context thereof include its, successors and assigns) having agreed to receive the Proposal of <b>ABC-XYZ (JV)</b> (a company registered under the Companies Act, 1956/ 2013 or firm) and having its registered office at..... (and acting on behalf of its firm/Joint Venture/ Consortium)</p> <p>Please confirm or suggests format as applicable suitably for submitting EMD in JV.</p>	
17	Volume I, ITT, Annexure - 11	third paragraph (65 of 101)	<p>AND WHEREAS all the Members of the Consortium / Joint Venture have agreed under the Consortium / Joint Venture Agreement dated..... entered into between all the Members and submitted along with the Tender to appoint .....</p> <p>(Insert the name and address of the Lead Member) as Lead Member to represent all the Members of the Consortium/ Joint Venture for all</p>	<p>As per the Format of Power of Attorney (POA) and the Para mentioned herein Joint Venture Agreement Date is to be written in the POA.</p> <p>But the Joint Venture Agreement as per the procedure applicable can be signed by the authorized representative of JV only after issue of POA in their favour.</p> <p>Please Clarify what procedure</p>	The Tender Conditions shall prevail.



			matters regarding the Tender Documents and the Tender;	should be adopted by Bidder in preparation of POA and JV Agreement.	
18	Volume I, LOT, Appendix - 16	- (91 of 101)	Works in Hand (as on 31.03.2018)	We request the Authority to consider Work in Hand as 31.08.2018 to know the actual status of work by Authority and work to be completed in next 27 month.	Addendum is being issued separately.
19	Volume I, LOT, Appendix - 16	- (91 of 101)	Value of work to be done in 2018-19 (1st Apr 2018 to 31st March 2019)	As per query as raised above please amend it as Value of work to be done in 2018-19 (1st September 2018 to 31st March 2019)	
20	Volume I, LOT, Appendix - 16	- (91 of 101)	Value of work to be done in 2019-20 (1st April 2020 to 30th June 2020)	As per query as raised above please amend it as Value of work to be done in 2019-20 (1st April 2020 to 31st December 2020)	
21	Volume II, GCC	1.1.20 (8 of 172)	"Cost Plus Profit" means Cost plus the applicable percentage for profit stated in the Contract Data (if not stated, five percent (5%)). Such percentage shall only be added to Cost, and Cost Plus Profit shall only be added to the Contract Price, where the Contractor is entitled under a Sub-Clause of these Conditions to payment of Cost Plus Profit.	We request you to kindly settle the rates of extra items based on the formula: Rate of extra item = Actual Cost + 25% OH & Profit + Labour Cess + GST as applicable.	The Tender Conditions shall prevail.



22	Volume II, GCC	4.2.1, third paragraph (31 of 172)	Performance Security - Variations or adjustments result in an accumulative increase or decrease of the contract by more than 20% of the contact price.	We request you to consider the Performance security due to variations as 5% of the contract price.	The Tender conditions shall prevail.
23	Volume II, GCC	7.8 (58 of 172)	Royalties - Unless otherwise stated in the Employer's Requirements, the Contractor shall pay all royalties, rents and other payments for: (b) the disposal of material from demolitions and excavations and of other surplus material (whether natural or man-made), except to the extent that disposal areas within the Site are specified in the Employer's Requirements	Request to provide suitable land for Dumping yard free of cost and also specify the locations.	The Contractor shall identify the land for waste material disposal at their own risk and cost.  The Tender conditions shall prevail.
24	Volume II, GCC	14.9 (91 of 172)	Release of Retention money - After the latest of the expiry dates of the Defects Notification Periods, the Contractor shall include the second half of the Retention Money in a Statement promptly after such latest date.  If a Taking-Over Certificate was (or was deemed to have been) issued for a Section, the Contractor shall include the relevant percentage of the second half of the Retention	We request you to release Retention money against BG whenever the accumulated amount reaches Rs 25 Lakhs.	The Tender conditions shall prevail.



			Money in a Statement promptly after the expiry date of the DNP for the Section.		
25	Volume II, GCC	21.1 (118 of 172)	Constitution of the DAAB (Dispute Avoidance/Adjudication Board)	<p>As per Clause 21.1 of GCC, for Constitution of the DAAB, the sole member or three members (as the case may be) shall be selected from those named in the list in the Contract Data.</p> <p>However, no names are listed in Contract Data as the members for Constitution of the DAAB.</p>	Addendum is being issued separately.
26	Volume II, GCC	21.6 (122 of 172)	Arbitration	<p>As per Clause 21.6 of GCC, disputes shall be finally settled by international arbitration under the Rules of Arbitration of the International Chamber of Commerce.</p> <p>As both parties (Employer and Contractor) are corporate bodies / resident of India, International Arbitration may not be referred.</p> <p>Thus, instead of ICC rules of Arbitration, we may refer to domestic Arbitration under</p>	



				Arbitration and conciliation act 1996(as amended in 2015), and we may appoint Arbitrators as per section 11 of the Act.	
27	Volume II, PC, Part A: Contract Data	Serial No: 2 (127 of 172)	24 months from the date of issue of last Taking-Over Certificate.	We hereby request you to kindly revise the period to 12 months as practised by most of Metro Rail projects implementing authorities like Maha-Metro, DMRC (Kochi Metro), Lucknow Metro Rail Corp. etc	The Tender Conditions shall prevail.
28	Volume II, PC, Part A: Contract Data	Serial No: 2 (127 of 172)	24 months from the date of issue of last Taking-Over Certificate.	We hereby request you to kindly revise the period to 12 months as practised by most of Metro Rail projects implementing authorities like Maha-Metro, DMRC (Kochi Metro), Lucknow Metro Rail Corp. etc	
29	Volume II, PC, Part A: Contract Data	Serial No: 14 (128 of 172)	The Performance Security shall remain valid and enforceable at least six (6) months longer than the anticipated expiry date of defect liability period.	We request you the PBG can be given in two parts; the validity of the first part shall be up to completion of work and validity of second part shall be upto the DLP.	The Tender conditions shall prevail.
30	Volume II, PC, Part A: Contract Data	Serial No: 20 (129 of 172)	Maximum amount of delay damages - Ten percent (10%) of the Contract Price	We request you to kindly consider maximum amount of delay damages to be 5% of contract price. Also, in order to ensure equitability,	The Tender conditions shall prevail.



				it is requested to incorporate the clause for early completion bonus as practised by most Government organisations like Maha Metro, MMRDA etc.	
31	Volume II, PC, Part A: Contract Data	Serial No: 24 (131 of 172)	<p>Cl. 14.2.3 (b) :</p> <p>“deductions shall be made at the amortisation rate of twenty percentage (20%) of the amount of each IPC (excluding the advance payment and deductions and release of retention moneys) in the currencies and proportions of the advance payment, until such time as the advance payment has been repaid. However, the recovery of mobilisation and /or any other advances will be completed before eighty five percent (85%) of the Contract Price has been paid or by the time of original Completion Date, whichever is earlier.</p>	<p>Repayment rate of advance payment</p> <p>Repayment amortisation rate of advance payment is too high (20%). This may weaken project cash flow and corresponding progress.</p> <p>Employer is requested to reduce the rate.</p>	The Tender Conditions shall prevail.



32	Volume II, PC, Part A: Contract Data	Serial No: 26 (131 of 172)	Percentage of Retention	5% from every IPC it will affect the cash flow badly as 10% PBG is already there, hence remove the cash retention as in other metro contract.	The Tender conditions shall prevail.
33	Volume II, PC, Part A: Contract Data	Serial No: 26 (131 of 172)	Percentage of Retention	5% from every IPC it will affect the cash flow badly as 10% PBG is already there, hence remove the cash retention as in other metro contract.	
34	Volume II, PC, Part A: Contract Data	Serial No: 26 (131 of 172)	Percentage of Retention - 5% from each IPC Limit - 5% of Contract price.	We request you to make provision in contract such that Equivalent amount of Bank Guarantee (Retention Guarantee) can be submitted in lieu of Cash Retention from each IPC as this has adverse effect on contractors cash flow.	
35	Volume II, PC, Part A: Contract Data	Serial No: 32 (132 of 172)	Period of Final payment - 90 days after Employer receives the FPC.	Request to consider payment of FPC within 56 days from the date of submission of the bill.	The Tender conditions shall prevail.
36	Volume II, PC, Part A: Contract Data	Serial No: 44 (134 of 172)	Drawings – Casting yard	We understand that Land of Casting at designated place shall be given to Contractor free of cost.	The land for Casting Yard (approximately 20000 m <sup>2</sup> ) shall be given at free of cost. Any additional land requirement shall be arranged by the Contractor at his risk and cost.
37	Volume II, PC, Part A: Contract Data	Serial No: 44 (134 of 172)	Casting Yard Area - 20000m <sup>2</sup>	The area proposed for casting yard is inadequate considering the scope of work. Kindly provide at least	



				35000m <sup>2</sup> of land for casting yard, batching plant, labour camp etc Free of cost.	The Tender Conditions shall prevail.
38	Volume II, PC, Part A: Contract Data	Serial No: 44 (134 of 172)	The construction Right of Access for two (2) kilometre will be handed over within thirty (30) days from the Commencement Date. The Right of Access to Casting Yard (Approximately 20,000 sqm, within 20 km from the Alignment) shall be given free of cost within thirty (30) days from the Commencement Date. The schedule Right of Access of remaining stretches will be given in line with the requirement of the approved Programme.	Please provide schedule of handing over of ROW of remaining stretch. Please provide status of land acquisition area of permanent works. If any land acquisition is still pending, kindly provide timescale in which it will be handed over to contractor.	The Tender Conditions shall prevail.
39	Volume II, PC, Part A: Contract Data, Annexure - 1	Key Date 3 (135 of 172)	Key Date 3 – 14 weeks “Submission of Design Documents (Design Stage 1) as per Employer Requirement ..... DS1 includes the GIR for the entire stretch. Within such a short time, it is impractical to complete: a. Span Arrangement b. Selection, award and mobilization of Agency for doing geotechnical tests	DS1 includes the GIR for the entire stretch. Within such a short time, it is impractical to complete: a. Span Arrangement b. Selection, award and mobilization of Agency for doing geotechnical tests c. Completion of all boreholes d. Completion of all laboratory test e. Compilation of GIRWe request this activity to be removed from DS1 stage.	The Tender conditions shall prevail.





			<p>c. Completion of all boreholes          d. Completion of all laboratory test          e. Compilation of GIR</p> <p>We request this activity to be removed from DS1 stage.</p>		
40	Volume II, PC, Part A: Contract Data, Annexure - 1	Key Date 4 (135 of 172)	<p>Key date 4 – 18 weeks</p> <p>“Completion of first test pile (including submission of detailed pile design)”          OR          Completion of first plate load test (including submission of detailed foundation design)</p>	<p>1. Please inform if the bidder opts for open foundation and is acceptable as per detailed geotechnical investigation to be done, this key date shall be omitted.</p> <p>2. Please confirm that the “Detailed Pile Design” means detailed pile design of the test pile.</p>	<p>1. The Tender Conditions shall prevail.</p> <p>2. No, “Detailed Pile Design” means detailed pile design including the test pile. The Tender Conditions shall prevail.</p>
41	Volume II, PC, Part A: Contract Data, Annexure - 1	Key Date 8 (136 of 172)	<p>Key date 8 – 60 weeks</p> <p>“Completion of all piers, pier caps and girders for the spans adjacent (either side) of all stations”</p>	<p>The adjacent span superstructure is in scope of Station contractor. Hence this should be taken out of the Key Date.          Moreover, the foundation may infringe with station pier foundation. This will need to be cross checked with the station design. This needs to be added as a pre-condition to this key date that station end pier foundation design should be</p>	<p>The Design shall be interfaced as per the Contract requirements.</p> <p>The Tender Conditions shall prevail.</p>



				available by a workable time before this key date.	
42	Volume II, PC, Part A: Contract Data, Annexure - 1	Key Date 10B (136 of 172)	Key date 10B – 95 weeks  “Shared access provided to Systems Contractor(s) for viaduct from ISBT/MR10 Flyover to Chandragupta Square ch.25565 to Ch. 26771”	In this Key Date the most critical item shall be getting the approval and clearance from Railway Authority for Foundation, Substructure & Superstructure of Obligatory span across Railway Track. This approval should be covered under a separate key date on which the present key date shall be dependent.	The Tender conditions shall prevail.
43	Volume II, PC, Part B: Special Provisions	PC 2.1, third paragraph (141 of 172)	If the Contractor suffers delay as a result of a failure by the Employer to give any such right or possession within such time, the Contractor shall be entitled to only a reasonable extension of time and no monetary claims whatsoever shall be paid or entertained on this account.	It is common in metro projects that works are delayed due to non-handing over of "Site" by the Employer within the stipulated time duration. In case of delay in providing access to and possession of Work areas/Site by the employer to the contractor, the contractor will incur losses in terms of additional cost and time. Therefore, it is requested to retain GCC Clause 2.1 in its entirety in order to avoid speculative bidding and potential increase in the Contract Price.  Also, it is requested to provide the	The Tender Conditions shall prevail.



				<p>schedule of access dates to each worksite(s)/Site(s) access date are not shown in Work Requirements so that the proper planning of project works can be ensured.</p>	
44	Volume II, PC, Part B: Special Provisions	PC 2.1 (141 of 172)	Compensation for delay in possession of site	<p>There is no provision for the compensation to the Contractor as a result of delay/ failure by the Employer to give possession of site within time.</p> <p>Employer is requested to consider payment of compensation to the Contractor as a result of delay/ failure by the Employer to give possession of site within time.</p>	The Tender Conditions shall prevail.
45	Volume II, PC, Part B: Special Provisions	PC 4.6 (146 of 172)	If the Contractor suffers delay and/or incurs Cost as a result of an instruction under this Sub-Clause, to the extent (if any) that co-operation, allowance of opportunities and coordination was Unforeseeable having regard to that specified in the Employer's Requirements, the Contractor shall not be entitled subject to Sub-Clause 20.2 [Claims For Payment and/or EOT] to EOT and/ or	<p>During the bidding stage, the bidder is not in a position to foresee the extent of any type of co-operation, allowance of opportunities and coordination etc to be carried out during execution phase. The instant deletion of GCC 4.6 Provision for entitlement of time and cost on account of delays suffered or cost incurred by the contractor increases the contractors risk to large extent. It is requested to retain GCC Clause</p>	The Tender Conditions shall prevail.



			payment of such Cost Plus Profit.”	4.6 in its entirety.	
46	Volume II, PC, Part B: Special Provisions	PC 4.7 (146 of 172)	if the Contractor suffers delay and/or incurs Cost as a result of the error, the Contractor shall be entitled subject to Sub-Clause 20.2 [Claims For Payment and/or EOT] to EOT and/or payment of such Cost Plus Profit  Above Sub-Clauses 4.7.3 are deleted.	During the bidding stage, the bidder is not in a position to foresee any errors in any items of reference which will be only evident during execution phase. The instant deletion of GCC Provision 4.7.2 Errors and 4.7.3 for entitlement of time and cost on account of delays suffered or cost incurred by the contractor increases the contractors risk to large extent. Therefore, in order to avoid speculative bidding and increase in Contract Price to Employer it is requested to retain GCC Clause 4.7.2 and 4.7.3 in its entirety.	The Tender Conditions shall prevail.
47	Volume II, PC, Part B: Special Provisions	PC 4.1 (147 of 172)	If any change in the Geotechnical and other related data provided by the Employer, design or construction methodology occurs later during execution, the cost of this change will be borne by the Contractor	At this point of time, bidder has to base the estimate on the reports provided by Employer along with tender. We request to modify the clause such that any variation in Geotech data during actual execution of works shall be admissible for variation payment at actuals.	The Employer has provided all the information available with them. The tenderer should satisfy himself with the data furnished and make his own investigations if required before submitting his offer.  The Tender Conditions shall prevail.



48	Volume II, PC, Part B: Special Provisions	PC 4.12 (148 of 172)	The Contractor bears the entire risk of any and all physical conditions at the Site. The Contractor represents and warrants to the Employer that it has fully assessed all possible physical conditions and has priced and allowed for their risks, if any, in the Accepted Contract Amount.	The contractor shall be entitled for claiming extension of time and cost incurred due to unforeseeable physical conditions. Please modify this clause accordingly.	The Tender Conditions shall prevail.
49	Volume II, PC, Part B: Special Provisions	PC 5.2.2 (153 of 172)	"Review Period" means the period not exceeding 28 days, or as otherwise stated in the Employer's Requirements, calculated from the date on which the Engineer receives a Contractor's Document and a Contractor's Notice;	Bidder request Employer to modify review period from 28 days to 15 days.	The Tender Conditions shall prevail.
50	Volume II, PC, Part B: Special Provisions	PC 13.7 (159 of 172)	Adjustment for Changes in Cost	Price Adjustments  From Apr-17, RBI has stopped publishing indices under WPI series 2004-05 and has commenced new WPI series 2011-12. In new WPI series 2011-12, indices for "Steel-Long" and for "Machinery and Machine Tools" are not available. The contract also does not stipulate for applying any "nearest material" for the purpose of calculating price adjustment.	Addendum is being issued separately.



				Please clarify or suggest alternate indices for "steel" and "Machinery and Machine Tools".	
51	Volume II, PC, Part B: Special Provisions	PC 14.8 (165 of 172)	If the Contractor does not receive payment in accordance with Sub-Clause 14.7 [Payment], the Contractor shall be entitled to receive financing charges compounded monthly on the amount unpaid during the period of delay.  Above Sub - Clause 14.8 of GCC is deleted	The clause 14.8 provides remedy to contractor for delayed payment against monthly IPC. The deletion of aforesaid clause would increase contractor's risk exposure thereby may lead to speculative bidding. Thus, it is requested to reinstate GCC Clause 14.7 in its entirety.	The Tender Conditions shall prevail.
52	Volume III, ER	10.6 (50 of 259)	Demolition/Dismantling of RCC - The Contractor shall demolish and dispose of all resultant demolition materials for all structures including buildings, drains or any other structures, to facilitate the construction of the work under the Contract.	Please provide the detailed inventory of Building/structures etc. to be dismantled /removed for the construction works as per the scope of contract.	The details of inventory of Building/structures etc. will be provided to the successful Tenderer, please refer clause 1.2.2 of Volume VII.  The Tender Conditions shall prevail.



53	Volume III, ER	11.7.2 (60 of 259)	The Contractor shall provide as a minimum a temperature and humidity controlled (Air-conditioned) main site office as shown in the table below, which shall, except otherwise stated, be fully fitted, furnished and equipped. The purpose of the offices is to provide adequate office accommodation for those members of the Engineer's personnel involved in the daily inspection and examination of the work under the Contract and the auditing of the Contractor's activities.	We plan to setup a fully furnished office in the casting yard against this requirement. Kindly let us know if the same is acceptable.	The Contractor shall locate the Employer's Office close to the Contractor's main office.  The Tender Conditions shall prevail.
54	Volume III, ER	18.2.3 c. (86 of 259)	The Lump sum works package shall include chartered utility diversion except electric transmission lines (overhead & underground) above 33KV.	As per the site investigations there are transmission lines above 33KV crossing the alignment at some locations. Assuming the appropriate measures will be taken care from the end of Employer.	The Tender conditions shall prevail.
55	Volume III, ER	18.2.3 c. (86 of 259)	-	40 % of alignment is obstructed by overhead HT line. Please let us know plan for shifting of the HT line.	The successful Contractor only will be provided with relocation schedule.  The Tender Conditions shall prevail.



56	Volume III, ER	18.1.2 & 18.4.10 (86 of 259)	-	Kindly confirm that both interfacing pier of “Mumtaj Bag Colony Station” is not in scope of viaduct contractor	Both interfacing pier of “Mumtaj Bag Colony Station” are not in the scope of this Contract.  The Tender Conditions shall prevail.
57	Volume III, ER	18.1.2 & 18.4.10 (86 of 259)	-	Kindly confirm that both interfacing pier of “ISBT/MR 10 FLYOVER Station” is not in scope of viaduct contractor	Both interfacing pier of “ISBT/MR 10 FLYOVER Station” are not in the scope of this Contract.  The Tender Conditions shall prevail.
58	Volume III, ER	18.3.1 (88 of 259)	"The Permanent Works shall not infringe the Metro railway structural gauge as confirmed by the project Schedule of Dimensions (SOD)."	Please provide the project SOD	The draft SOD shall be shared with the successful Tenderer.  The Tender Conditions shall prevail.
59	Volume III, ER	18.4.6 (88 of 259)	Obligatory Span over Railway track	To obtain the approval, the drawing with in-principle approval of Railway Authority will be required. Please share the same. Also, please inform as who will apply for, communicate and coordinate with Railway Authorities for the approval – Bidder or Engineer (with necessary help from	Please refer Sub-Clause 18.4.11 d) of Volume III.  The Tender Conditions shall prevail.





				Bidder)?	
60	Volume III, ER	18.4.6 (88 of 259)	The Contractor shall provide one obligatory span at the ISBT MR 10 Railway crossing. The Contractor's General Arrangement Drawing and design shall be approved by Railway Authority.	Kindly specify time frame for railway approvals. In case of delay due to approval of GAD by Railways, compensation in terms of cost and time shall be granted to contractor.	The Tender Conditions shall prevail.
61	Volume III, ER	18.4.9 a. (89 of 259)	".....Where rocky strata permits the Contractor may request the Engineer's approval to provide open raft foundations."	Please confirm that open foundation shall not be provided other than resting on rock.	Refer CI 18.4.9, Vol-III The Tender Conditions shall prevail.
62	Volume III, ER	18.4.9 a. (89 of 259)	"All pier foundations shall be designed and constructed as piled foundations"	Please confirm that friction piles resting in soil can be provided if the required pile capacity is achieved and it is not mandatory to go for rock socketing of piles.	This is a Design and Build Contract. The Contractor shall design the piles and obtain Engineer's approval. The Tender Conditions shall prevail.
63	Volume III, ER	18.4.9 f. (90 of 259)	"Ground earthing shall be provided, from the deck to earth through the substructure and foundations, and the design shall be coordinated with the Systems Contractor(s)."	Please provide indicative drawing for earthing provisions in foundations, substructure & superstructure to be provided.	The Tender conditions shall prevail.
64	Volume III, ER	18.4.10 (90 of 259)	Interface spans of 5m – scope of works Viaduct contractor – foundation &	In this manner, the parapet will have to be made precast, even if the viaduct contractor choses to have	The Tender Conditions shall prevail.



			substructure of pier adjacent to station, parapet over superstructure Station contractor – superstructure	in-situ or precast along with segment parapets. To avoid such troubles, the parapet over the interface span should be kept with the party doing the superstructure.	
65	Volume III, ER	18.4.10 a. (90 of 259)	"...It also includes the design and construction of the piers and pier caps adjacent to each station area, which shall be coordinated with the station contractor to support their interface span loads...."	Please provide the load from the 5m interfacing superstructure spans at stations	Refer Sub-Clause 18.4.10 a) of Volume III.  The Tender Conditions shall prevail.
66	Volume III, ER	18.4.10 b. (90 of 259)	"POT/PTFE bearings shall be provided for all viaduct and bridge spans...."	POT-PTFE bearings does not suit with precast superstructures and generally cause delays due to interfacing elements such as sleeves/studs/dowels which need to be embedded in precast girders/bearing pedestals. Please confirm that elastomeric bearing can be provided, if the design permits.	The Tender Conditions shall prevail.
67	Volume III, ER	18.4.10 d. (90 of 259)	Traffic crash barriers shall be provided to all piers, which shall include all those not in in currently trafficked roads	Please furnish drawing showing details of the protective crash barrier	This is Design & Build Contract. The Contractor shall design the crash barrier and obtain Engineer's approval.  The Tender Conditions shall



					prevail.
68	Volume III, ER	18.4.11 b. (90 of 259)	The span length configuration shall be configured to minimise the impact on existing road infrastructure, and to minimise utility diversions. The Works shall remain within the given Right of Way, unless otherwise approved by the Engineer. Preferably, Pier(s) shall not be located on the Rotary Traffic Junctions. The Contractor shall ensure the design of pier locations at all road intersections and rail crossings are approved by the Statutory Authorities	Special spans generally have construction problems, cause delays and more cost. These can be avoided by providing smaller standard spans if possible. To reduce the number of large span, Please confirm that it is not mandatory to avoid piers on the rotary junctions / Island	The Tender Conditions shall prevail.
69	Volume III, ER	18.4.11 (91 of 259)	“i. The Contractor shall interface the design with System Contractor(s) and provide where required fixings, box-outs to facilitate systems installations. ....” “m. The Contractor shall install plinths for the Systems Contractor(s) signalling masts. This work shall be fully coordinated between the Contractor and the Systems Contractor(s).”	Please provide details of such installations required for costing and time scheduling purpose.	Refer tender drawing no. I001-IN3GW-SEM-DWG-00001 of Volume VI.  The Tender conditions shall prevail



70	Volume III, ER	18.4.11 h. (91 of 259)	Parapets shall include epoxy painting.	Parapets are non-structural components required only to carry masts/ poles/railing/walkway etc. and thus generally do not require epoxy painting. Please review.	The Tender Conditions shall prevail
71	Volume III, ER	18.4.11 h. (91 of 259)	Parapets shall include epoxy painting	Please define the extent till which the painting shall have to be done.	The Tender Conditions shall prevail.
72	Volume III, ER	18.4.11 h. (91 of 259)	Parapets shall include epoxy painting.	Please confirm whether epoxy painting on parapet is to be done on outer sides only or both inner & outer sides	
73	Volume III, ER	18.4.11 i. (91 of 259)	The Contractor shall interface the design with System Contractor(s) and provide where required fixings, box-outs to facilitate systems installations. We note the traction power contractor will install a 3rd rail and the civil design shall confirm provision against stray current, fixings and corrosion protection	Please provide details of track plinth starter bars.	Please refer Interface RACI Matrix, Appendix IV, Volume III.  The Tender Conditions shall prevail.
74	Volume III, ER	18.4.11 l. (91 of 259)	Cut outs, inserts and cabling brackets for the Systems Contractor(s) shall be installed by the Contractor. This work shall be fully coordinated between the	Please provide the details of inserts required to be incorporated in civil work for other interfacing systems	The Contractor shall interface his design with System Contractors.  The Tender Conditions shall



			Contractor and the Systems Contractor(s).		prevail.
75	Volume III, ER	18.4.11 n. (91 of 259)	The Contractor shall provide parapet grooves	Parapet without grooves also have good aesthetic appearance. DMRC has done away with practice of providing grooves on Parapet. Please review	The Tender Conditions shall prevail.
76	Volume III, ER	18.4.11 n. (91 of 259)	The Contractor shall provide parapet grooves	Please confirm whether parapet grooves are to be provided only on outer sides or both inner & outer sides	Parapet groove will be provided on outer sides. The Tender Conditions shall prevail.
77	Volume III, ER	18.4.11 n. (91 of 259)	“n. The Contractor shall provide parapet grooves.”	Details required	The Contractor to propose the details in detailed design for the approval of the Employer. The Tender Conditions shall prevail.
78	Volume III, ER	18.4.11 p. (91 of 259)	Ground earthing shall be provided, from the deck to earth through the substructure and foundations, and the design shall be coordinated with the Systems Contractor(s).	Please provide the details of typical earthing arrangement required for the viaduct	The Contractor to propose the details in detailed design for the approval of the Engineer. The Tender Conditions shall prevail



79	Volume III, ER	18.4.12 (91 of 259)	For casting yard, batching plant and other activities, a plot of land of approximately 20,000 Sqm., within 20 kms from the alignment, shall be given free of cost to the Contractor by the Employer.	An area of 20000 sqm for casting yard seems to be on lower side. It may please be noted that for Bhopal Metro -I tender an area of 35000 sqm is being provided. Given by the consideration, it is requested that an area of at least 30000 sqm be provided for casting yard.	The Tender Conditions shall prevail.
80	Volume III, ER	18.4.12 (91 of 259)	Casting Yard	<p>a) Exact location with dimension of proposed casting yard land details required.</p> <p>b) With past experience minimum 40,000 sqm land is required for casing yard.</p>	<p>a) Addendum is being issued separately.</p> <p>b) The land for Casting Yard (approximately 20000 sqm) shall be given at free of cost. Any additional land requirement shall be arranged by the Contractor at his risk and cost. The Tender Conditions shall prevail.</p>
81	Volume III, ER	18.7.6 (95 of 259)	A list of chartered utilities is provided in the Tender document. The Contractor is required to divert all chartered utilities. The cost of all chartered utility diversions shall be included in the Lump Sum price (Schedule A). The provisional sums (schedule B of	We request you to pay Utility shifting in Schedule B, both Chartered and Uncharted utilities.	The Tender conditions shall prevail.



			pricing schedule) shall be used for uncharted utilities		
82	Volume III, ER	18.7.6.1 (95 of 259)	The remainder of the utilities identified and detected during the implementation of the Contract that are required to be diverted shall be termed as uncharted utilities. The Provisional Sums (Schedule B of pricing schedule) shall be used for uncharted utility diversions.	Kindly confirm extension of time will be granted by Employer on account of additional time required for removal of uncharted utilities. Also, confirm, cost compensation will be provided.	The Tender Conditions shall prevail.
83	Volume III, ER	18.7.6.5 (97 of 259)	The Employer retains the right to select and appoint the party responsible for carrying out the Utility Diversions scope of work, either in its entirety or to allocate certain aspects of the scope of work.	This provision may have Cost impact to the Contractor. Request to consider payment for both Chartered and Non-Chartered utilities under Schedule B.	The Tender Conditions shall prevail.
84	Volume III, ER, Appendix III: Environmental Manual	18.3 b. (217 of 259)	Water Pollution - If reuse is not practicable it should be disposed at the nearest landfill site after obtaining permission from the agency owning the landfill and under the conditions imposed by the agency concerned.	It is understood that the permission from the agency owning the landfill will be supported by the Employer where required.	The Employer shall provide reasonable assistance. Please refer GCC Sub-clause 2.2.  The Tender Conditions shall prevail.
85	Volume III and V, ER and	-	<u>Volume III, ER, Appendix III: Environmental Manual, Cl: 22 c. (pg 228)</u> - The Employer or Engineer	The two clauses are mutually contradictory. We hereby request that the tree cutting permission may	Refer Sub-Clause 18.7.6.1 of Volume III.



	M&WS		<p>may arrange permission from State Forest Department / relevant Department for cutting back or removal and or transplanted.</p> <p><u>Volume V</u> - Subject to compliance with the statutory authority's requirements, arrangements for permission from Forest Department for tree felling may be made by the Contractor from the Competent authorities</p>	please be made available by the Employer.	The Tender Conditions shall prevail.
86	Volume IV, TS	1.2.2 (4 of 133)	All designs shall be with accordance of approved Design Basis Reports of Indore Metro Rail system	Approved DBRs not available in the documents, please provide the same.	The draft DBR shall be shared with the successful Tenderer.
87	Volume IV, TS	1.4.1 (6 of 133)	"...The vertical alignment may be revised with minor changes as approved by the Engineer to suit the Contractors design,...."	Please define the extent of "minor" changes. Also please indicate the locations, if any, where the profile levels must match.	<p>This will be discussed with the successful Contractor when they have carried out their preliminary design.</p> <p>The Tender Conditions shall prevail.</p>
88	Volume IV, TS	2.1.1 (7 of 133)	The designs shall be in accordance with Design Criteria and shall also conform to the Project Design Basis Reports (DBR) and approved Schedule of Dimensions (SOD).	"Project Design Basis Report (DBR)" & "Schedule of Dimensions (SOD)" are not found in the documents shared.	The draft DBR/SOD shall be shared with the successful Tenderer.





89	Volume IV, TS	2.3.1 (7 of 133)	The superstructure shall be either be a precast post tensioned segmental box girder, a precast pre-tensioned U-girder or a precast pre/post tensioned I-Girder with cast-in-situ deck.	In the drawings, the cross section of the viaduct is always shown with Box Section. Please confirm if bidder can change this according to their convenience.	For Viaduct, segmental box girder shall be generally provided. However, at critical locations such as sharp curves, obligatory spans, etc. alternative proposals can be considered. The Tender Conditions shall prevail.
90	Volume IV, TS	2.3.1 (7 of 133)	At major stakeholder crossings of existing structures, special continuous bridges shall be provided of either Steel-Concrete composite or balanced Cantilever construction or suitable construction method.	Please indicate the minimum length of continuous deck bidder has to achieve in case of continuous deck. Also, please clarify, if bidder can opt for simply supported spans over obligatory spans.	This is a Design and Build contract. The Contractor shall propose type and methodology of construction for obligatory span and shall be approved by the Authorities and the Engineer.  The Tender Conditions shall prevail.
91	Volume IV, TS	2.3.1 (7 of 133)	Superstructure system at major stakeholder crossings of existing structures, special continuous bridges shall be provided of either Steel Concrete composite or balanced Cantilever construction or suitable construction method.	Kindly confirm the Specific location for span to be considered.	The Obligatory and Special spans are listed in Sub-Clause 18 of Volume - III.  The Tender Conditions shall prevail.
92	Volume IV,	2.3.2	Emergency Walkway	From the narration provided, it is	The Tender Conditions shall



	TS	(7 of 133)		understood that there is no separate requirements for a dedicated walkway. The space between rails/plinths of a track will serve as a walkway. Please confirm.	prevail.
93	Volume IV, TS	2.3.3 (7 of 133)	Bearings shall be POT-PTFE	Requesting to review this requirement, if elastomeric bearing along with seismic arrestor can be used for Indore with seismic zone-II & as used in all coming up / on-going metro projects.	The Tender conditions shall prevail.
94	Volume IV, TS	2.3.3 (7 of 133)	Bearing - Bearings shall be POT PTFE.	As per IRS CBC cl.16.9.1.3 use of Elastomeric Bearing in prestress concrete Bridges is allowed for clear span up to 30.5m. Kindly confirm whether Elastomeric bearing with seismic arrestor shall be allowed for clear span upto 30.5 m	
95	Volume IV, TS	2.3.3 (7 of 133)	Bearings shall be POT PTFE	Can contractor propose Elastomeric bearings in place of POT PTFE bearings.	The Tender Conditions shall prevail.
96	Volume IV, TS	2.6.4 (10 of 133)	All axle loads = 16 tons	Axle load is given as 16t and it is mentioned that simply supported structures shall be designed for Medium Loading Envelopes as given in Appendix 3. However, in Appendix 3, the medium metro	The axle load shall be 16 tonnes, as confirmed in Sub-Clause 2.6.4 of Volume IV.  The Tender Conditions shall prevail.



				loading chart considers a maximum axle load of 17t. Please clarify	
97	Volume IV, TS	2.6.6 (11 of 133)	The Coefficient of Dynamic Augment shall comply with IRS Bridge Rules	It is mentioned that CDA shall be as per IRS Bridge Rules. IRS Bridge Rules does not differentiate CDA for Ballastless track. As specified in DBR of DMRC, CDA is specified as 1.67 for transverse & 1.2 for longitudinal direction. Same may be adopted for this project. Please confirm	The provisions of Codes shall prevail.  Details shall be finalised during detailed design.
98	Volume IV, TS	2.6.11 (12 of 133)	Wind loads shall comply with IRS Bridge Rules Clause 2.11	Wind Load: Since provisions of IRS are not very explicit for concrete structures, it is suggested to follow IRC:6-2017. Please review	The provisions of Codes shall prevail.
99	Volume IV, TS	2.6.12 (12 of 133)	“Seismic Code for Earthquake Resistant Design of Railway Bridges” shall be followed. The code also covers load combination and ductile detailing aspects	For seismic load (EQ), it is mentioned that "Seismic Code for Earthquake Resistant Design of Railway Bridges" shall be followed. We understand that the document referred here "RDSO Guidelines on Seismic Design of Railway Bridges, Please confirm	The provisions of Codes shall prevail.
100	Volume IV, TS	2.6.12 (12 of 133)	“Seismic Code for Earthquake Resistant Design of Railway Bridges” shall be followed. The code also covers load	Please provide the importance factor to be considered for seismic design. RDSO Guidelines does not specify it for Metros	The provisions of Codes shall prevail.



			combination and ductile detailing aspects		
101	Volume IV, TS	2.6.12 (12 of 133)	“Seismic Code for Earthquake Resistant Design of Railway Bridges” shall be followed. The code also covers load combination and ductile detailing aspects	We understand that seismic zone for Indore is Zone II. Please confirm	The design shall be carried out for one classification higher than the prevailing seismic zone.  Addendum is being issued separately.
102	Volume IV, TS	2.6.12 (12 of 133)	“Seismic Code for Earthquake Resistant Design of Railway Bridges” shall be followed. The code also covers load combination and ductile detailing aspects	As per IRC Cl. 219.9, in seismic zone II, ductile detailing is not mandatory. Indore, being in zone II, please confirm that ductility detailing can be omitted	The Tender Conditions shall prevail.
103	Volume IV, TS	2.6.13.1 (12 of 133)	Overall temperature shall comply with IRC:6 Clause 215.2	We presume that for stress check, 50% live load will be allowed with temperature combination as per IRC. This combination is followed in most of ongoing projects. Please confirm	The Tender Conditions shall prevail.
104	Volume IV, TS	2.6.13.3 (12 of 133)	IRC: 6 Clause 215 shall be complied with.	Please confirm that the Live Load shall be taken as 50% for load combinations containing thermal loads as prescribed in IRC and as being followed in other ongoing projects.	The Tender Conditions shall prevail.



105	Volume IV, TS	2.6.15 (13 of 133)	Vehicle collision loads shall comply with IRC: 6 Clause 222	Please confirm that the load combinations for the same load shall be done as per IRC as well.	The Tender Conditions shall prevail.
106	Volume IV, TS	2.6.15 (13 of 133)	Vehicle collision load shall comply with IRC:6 Clause 222 Rules specifying the loads for design of superstructure and sub structure of bridges and for assessment of the strength of existing bridges should be done as per IRS bridge rules.	We presume that load combination for vehicular collision load will be taken as per IRC: code. Please confirm.	Confirmed. The Tender conditions shall prevail.
107	Volume IV, TS	2.6.16 (13 of 133)	"Buffers shall be provided at the end of temporary terminal stations during stage opening of the Corridors....."	As there are no terminal stations/points in this package, there are no viaduct elements for which buffer load needs to be considered. Please confirm	Contractor shall consider Buffer Loads before end of Viaduct at Mumtaj Bag Colony. Addendum is being issued separately.
108	Volume IV, TS	2.6.17 (13 of 133)	Long Welded Rails (LWR) Forces	We understand that DDC to work out RSI studies for establishing the LWR force. To have all bidders on same platform and to avoid delay in designs on account of RSI studies, we request you to define LWR for both track / single track as is given in most of ongoing metro projects. Station is also not in scope.	The Tender conditions shall prevail.
109	Volume IV,	2.6.17	Clause 2.6.17 recommend RSI	To have all contractor on same	



	TS	(13 of 133)	studies for establishing the LWR force.	platform and to avoid delay in designs on account of RSI studies, we request you to define LWR forces for both track / single track as is given in most of ongoing metro projects.	
110	Volume IV, TS	2.8.5 (16 of 133)	Durability	Please confirm that exposure condition for Indore is moderate.	The provisions of Codes shall prevail.
111	Volume IV, TS	2.9.3.1 (17 of 133)	Foundation system	Kindly confirm the Max depth upto which open foundation shall be allowed.	This is Design and Build contract. The Contractor shall design the Works to the Codes and submit to the Engineer for approval.
112	Volume IV, TS	2.9.3.1 (17 of 133)	Foundation Design	Kindly confirm whether for Design of open foundation and pile foundation IRC 78 2015 shall be referred	The Tender Conditions shall prevail.
113	Volume IV, TS	2.10, Annexure 2 (18 of 133)	IRS Codes (With Latest Revisions)	"IITK-RDSO Guidelines on Seismic Design of Railway Bridges" has been withdrawn after publication of "RDSO Guidelines on Seismic Design of Railway Bridges". Please confirm that "RDSO Guidelines on Seismic Design of Railway Bridges" shall be used for seismic design.	Latest prevailing codes shall be adopted.
114	Volume IV, TS, Appendix III	- (119 of 133)	Annexure – 1 of RDSO Model DBR for Viaducts	As analysis softwares are available to analyse the structure for moving load with actual train axle configuration, we presume that it is	The axle load shall be 16 tonnes, as confirmed in Sub-Clause 2.6.4 of Volume IV.



				not mandatory to follow Equivalent VDL envelope as given in this clause. The axle load mentioned in this clause is 15t, 17t & 18t while the same in Cl. 2.6.4 of Tech. Spec. is 16t. Please confirm which one is to be followed.	The Tender Conditions shall prevail.
115	Volume IV, TS	-	-	Exposure conditions – as no specific exposure condition is defined for the structure, we shall use moderate conditions for the same. Please confirm.	The provision of codes shall prevail.
116	Volume IV	-	Not given	Please define the SIDL load. Also confirm as what part of SIDL load can be taken as fixed & what part as variable.	Please refer Sub-Clause 2.6.2 of Volume IV.  The Tender Conditions shall prevail.
117	Volume IV	-	Not given	In case of side evacuation, footpath will be required on parapet. In section same is not shown. Please confirm details of same in case of side evacuation.	The Rolling Stock vehicles will be provided with Front/End evacuation as stated in Sub-Clause 2.3.2 of Volume IV.  The Tender Conditions shall prevail.
118	Volume IV	-		Please confirm that Seismic design in this project will be based on	Latest prevailing codes shall be adopted.



				RDSO Standards.	
119	Volume VI, Tender Drawings	-	Topo Drawings	There is 132 KVA transmission line running along the alignment between CH 28+320 and CH 30+270. Please confirm that this will be shifted before handing over the ROW for construction	The Tender Conditions shall prevail.
120	Volume VI, Tender Drawings	-	Alignment Drawings	Kindly provide AUTO CADD drawings. MPMRCL/INDORE METRO RAIL PHASE 1/GAD DRAWINGS	The GAD AutoCAD drawings in a CD for reference purpose only. The CDs may be collected from office of the Employer. In case of any conflict, ambiguity or discrepancy in the GAD AutoCAD drawings, the uploaded version of PDF (including Addendum if any) in the e-portal only shall prevail.
121	Volume VI, Tender Drawings	-	-	Please provide AutoCAD drawings to develop span arrangement.	
122	Volume VI, Tender Drawings	-	Alignment Drawings	Kindly Provide the AutoCAD copy of Alignment for detail working	
123	Volume VI, Tender Drawings	-	Provided in PDF format.	Please provide GAD, Alignment drawings with topographic survey details in AutoCAD format.	
124	Volume VI, Tender Drawings	-	Tender Drawings	Please provide the AutoCAD copies of the alignment drawings for span fixing	
125	Volume VI, Tender	-	Alignment drawings	Please confirm that span lengths as given in tender drawings are	The reference drawings are indicative and it is for the





	Drawings			tentative & can be changed as per contractor's design.	Contractor to design spans to suit their Methodology, the exception being the obligatory span.  The Tender Conditions shall prevail.
126	Volume VI, Tender Drawings	-	Tender Drawings	Please clarify that span lengths marked on the tender drawings are tentative and can be changed if the space on the road/median/land permits	
127	Volume VI, Tender Drawings	-	Alignment Drawings	At many places, alignment is not perfectly centric with the existing median even when on straight stretches. To avoid huge numbers of cantilever piers, please confirm that the median can be adjusted slightly to keep it centric with alignment centre line	The Tender Conditions shall prevail.
128	Volume VI, Tender Drawings	-	Alignment crosses over existing Railway between ch 25+750 & 25+850	Kindly confirm that the type of super structure to be considered and provide if any GAD for same span has been approved by Railways. Also confirm restriction on type of Superstructure, if any, for span inside railway boundary.	This is Design and Build Contract. Please refer Sub-Clause 18.4.11 d) of Volume III.  The Tender Conditions shall prevail.
129	Volume VI, Tender Drawings	-	Alignment Drawings - Drg. No. I001-IN3GW-ALI-DWG-000105	The alignment after Chandragupta Square Station (Cl. 26+846.3) is negotiating a curve of 250 m radius away from the Rotary @ Ch. 26+970 and then turning inwards	The Tender Conditions shall prevail.



				towards the road median. This has necessitated a special span of 53m and 5 portals within this stretch. If the station location/orientation can be modified so that the alignment crosses near the middle of rotary and then becomes centric with median at the start of the road median, and a pier can be placed within the rotary, then the 53m special span and 5 portal piers can be avoided. Please review.	
130	Volume VI, Tender Drawings	-	Tender Drawings	Drg No. I001-IN3GW-CIV-DWG-00109: A large obligatory span of 59m between Ch 28+246 and 28+305 has been proposed which lies on very sharp curvature of 150m. This large span may not be possible due to extremely sharp curvature. This issue can be avoided by providing a pier in the rotary island. Please confirm whether a pier can be placed @ approx. 28+275 on the rotary island.	Refer Sub-Clause 18.4.11 (b) of Volume III.  The Tender Conditions shall prevail.
131	Volume VI, Tender Drawings	-	Tender Drawings	Drg No. I001-IN3GW-CIV-DWG-00112: Large obligatory span of 56m between Ch 29+534 and 29+590 can be avoided by providing	



				<p>pier in the rotary island. Please confirm whether a pier can be placed @ approx. Ch 29+562 on the rotary island</p>	
132	Volume VI, Tender Drawings	-	Tender Drawings	<p>Drg No. I001-IN3GW-CIV-DWG-00114: Large obligatory span of 50m between Ch 30+061 and 30+110 can be avoided by providing pier in the rotary island. Please confirm whether a pier can be placed @ approx. Ch 30+086 on the rotary island.</p>	
133	Volume VI, Tender Drawings	-	General Alignment Drawings for viaduct shows Pier location and span arrangement for pier locations in addition to the obligatory span & Special mentioned on Dwg no 1001-IN3GW-ALI-zdwg-000120-R0.	<p>Kindly clarify if all Pier location as shown on alignment drawing are mandatory</p>	<p>The reference drawings are indicative and it is for the Contractor to design spans to suit their Methodology, the exception being the obligatory span.</p>
134	Volume VI, Tender Drawings	-	I001-IN2GW-ALI-DWG-00120 - Table provided indicating Special spans and obligatory spans	<p>Further With reference to table, please confirm whether the span arrangement other than those indicated in the table can be modified as per contractor's design. Please confirm whether span lengths given in the alignment drawings at few stretches (eg ch 25+565 to 26+450) are mandatory.</p>	<p>The Tender Conditions shall prevail.</p>



135	Volume VI, Tender Drawings	-	OBLIGATORY SPAN DRAWINGS - I001-IN3GW-CIV-DWG-00201 shows minimum vertical clearance of 6.0m over existing rail track.	Kindly confirm as per our past experience same shall be approx. 8.25m	The vertical clearance shall be approved by the Railway Authorities.  The Tender Conditions shall prevail.
136	Volume VI, Tender Drawings	-	Tender Drawings	Drg No. I001-IN3GW-CIV-DWG-00201 :Please furnish the hydraulic details (discharge, HFL, velocity of flow etc) for Nala @ CH. 26+ 260	This is a Design and Build contract. The Contractor shall obtain these data from relevant authorities and consider them during detailed design.  The Tender Conditions shall prevail.
137	Volume VI, Tender Drawings	-	Tender Drawings	Drg No. I001-IN3GW-CIV-DWG-00201: Please confirm that piers for the ROB span@ Ch 25+775 can be provided inside the railway boundary as shown in the drawing.	Please refer Sub-Clause 18.4.11 d) of Volume III.  The Tender Conditions shall prevail.
138	Volume VI, Tender Drawings	-	Tender Drawings	Drg No. I001-IN3GW-CIV-DWG-00201: Please confirm whether the GAD of the ROB span@ Ch 25+775 has been approved by Railway authorities.	
139	Volume VI, Tender	-	Typical Structural Drawing	In the Employer Requirements it is mentioned that the rain water pipe	Drainage pipe shall be provided outside of the pier.



	Drawings			should not be embedded in the pier. However, in these drawings we see the same is shown. Please confirm the Employer Requirement supersedes the drawings.	The Tender Conditions shall prevail.
140	Volume VI, Tender Drawings	-	Typical Structural Drawing	In all of these drawings, it is mentioned that the drawings are indicative. There are shape of various structural components are shown. Please confirm that such shapes of structural elements are not binding on the bidder. Bidder can choose any shape as per his convenience.	For Viaduct segmental box girder shall be provided for standard spans. However, at critical locations such as sharp curves, obligatory spans, etc. alternative proposals will be considered.
141	Volume VI, Tender Drawings	-	Not given	Will there be any provision of railing on side parapets? Also request you to provide height of parapet over deck slab.	Please refer drawing no. I001-IN3GW-CIV-DWG-00309 of Volume VI.  The Tender Conditions shall prevail.
142	Volume VI, Tender Drawings	-	TYPICAL STRUCTURAL DRAWINGS - The Pile cap Top has been shown at depth of 1000mm below EGL	Kindly confirm whether the same can be maintained as 500mm below EGL	The Tender conditions shall prevail.
143	Volume VI, Tender Drawings	-	TYPICAL STRUCTURAL DRAWINGS	Kindly confirm any restriction in dimension for pier above ground level in transverse direction if any	The Tender Conditions shall prevail.



144	Volume VI, Tender Drawings	-	Tender Drawings	Please confirm that there is no limitation on the minimum or maximum width of the pier perpendicular to the traffic direction	
145	Volume VI, Tender Drawings	-	Tender Drawings	Please confirm that the shape of pier shown in tender drawings is indicative and bidder is free to propose any shape of pier (rectangular/square/circular/recto-ellipse)	
146	Volume VI, Tender Drawings	-	TYPICAL STRUCTURAL DRAWINGS - Drg. No. I001-IN3GW-CIV-DWG-00301 shows seismic arrestor over pier cap.	The DBR Cl. 2.3.3 has mentioned the bearing shall be POT PTFE in such case. Kindly confirm that the seismic arrestor needs to be provided.	The Tender Conditions shall prevail.
147	Volume VI, Tender Drawings	-	Tender Drawings	Drg No. I001-IN3GW-CIV-DWG-00301: The permissible eccentricity for cantilever pier is not clear in this drawing. It is not clear whether distance of 1500mm (or 2000mm) is from face or centre of pier. Also this drawing shows distance upto outer bearing for Box Girder superstructure. What should be the permissible eccentricity for any other type of superstructure for e.g. I-Girder Superstructure where	This is a Design Build Contract.  The Tender Conditions shall prevail.



				<p>outermost girder is further away from Pier? (see the attached sketch on last page of comments).</p> <p>DMRC specifies maximum eccentricity (E) for the cantilever pier as distance between the alignment centre line and the centre line of pier, irrespective of type of superstructure, and this is generally restricted to 2.0m. Please review and clarify.</p>	
148	Volume VI, Tender Drawings	-	Alignment Drawings	Kindly confirm whether the station pier, pier cap, bearings are in scope of present tender.	<p>The Station Structural works - Foundations, Piers, Superstructures etc are not in the scope of this Contract.</p> <p>The Tender Conditions shall prevail.</p>
149	Volume VI and III, Tender Drawings and ER	-	Vol.VI Structures Drawing 301/309	We understand that Station Structural works –Foundations, Piers, Superstructures etc are not in Contractors scope	<p>Yes. The Station Structural works - Foundations, Piers, Superstructures etc are not in the scope of this Contract.</p> <p>The Tender Conditions shall prevail.</p>
150	Volume VI,	-	TYPICAL STRUCTURAL	Kindly confirm any other shape can	The Tender conditions shall



	Tender Drawings		DRAWINGS - I001-IN3GW-CIV-DWG-00302 shows pier shape to be circular oblonged & for portal as rectangular or square	be followed for Normal as well as portal pier.	prevail.
151	Volume VI, Tender Drawings	-	Tender Drawings	Drg No. I001-IN3GW-CIV-DWG-00302: Please provide the details of the emergency pathway to be provided for the project. Emergency pathway is not shown in typical drawings	The Rolling Stock vehicles will be provided with Front/End evacuation as stated in Sub-Clause 2.3.2 of Volume IV.  The Tender Conditions shall prevail.
152	Volume VI, Tender Drawings	-	Tender Drawings	Drg No. I001-IN3GW-CIV-DWG-00302: Please provide the details and spacing of the LED fixtures	The Contractor shall interface his design with System Contractors.  The Tender Conditions shall prevail
153	Volume VI, Tender Drawings	-	Drawing No: I001-IN3GW-CIV-DWG-00309 - VIADUCT CROSS SECTION WITH TYPICAL SYSTEMS ARRANGEMENT	As the emergency evacuation system is finalized as "front-end evacuation" precast parapet as shown in the drawing is not required. Kindly adopt integrated parapet system as being practised in Pune and Nagpur Metro.	The Tender Conditions shall prevail.
154	Volume VI, Tender Drawings	-	Tender Drawings	Drg No. I001-IN3GW-CIV-DWG-00309: Please confirm that width of deck shall be taken as 8.65m for all	Please refer drawing no. I001-IN3GW-CIV-DWG-00309 of Volume VI.





				straight and curved portion of viaduct including cross over locations.	The Tender Conditions shall prevail.
155	Volume VI, Tender Drawings	-	Tender Drawings	Drg No. I001-IN3GW-CIV-DWG-00309: Please provide the details of the Railing on the parapet	There is no railing on the viaduct.  The Tender Conditions shall prevail
156	Volume VI, Tender Drawings	-	Drg. No. I001-IN3ST-ARC-DWG-00001 - Station adjacent interface spans of 5m on either side of station	The distance between two piers are too small and may interfere in foundations. This span should be made at least 10m.	The Tender Conditions shall prevail.
157	Volume VI and VIII, Tender Drawings and Pricing Document	-	(a) Volume VI, Tender Drawings, Part 4 - Utility Details - SH 01 to 08  (b) Volume VII - Pricing Document	As per cl 1.2.2, sewer line, water supply line etc are included in schedule-B, but Utility details given in drawings from sheet no-01 to 08, contains utility shifting of sewer line, water pipeline etc. Kindly bifurcate list of chartered utilities and uncharted utilities.	Chartered Utilities diversions are to be priced as part of the lump sum component within Schedule "A".  Please refer Sub-Clause 1.2.2 of Volume VII for Uncharted Utilities.  The Tender Conditions shall prevail.
158	Volume VII and II, Pricing Document and	-	Valuation of Provisional sums	Volume VII, Pricing Document, Cl: 1.2.2 (pg: 2) - Pricing Schedule-B provides that items under provisional sums will be paid under	The Pricing Document shall be read in conjunction with General and Particular Conditions, as stated in para



	GCC			<p>CPWD Schedule of rates / Schedule of Rates of concerned Department of Madhya Pradesh Government / Market rates. There is no provision for quoting of +/- percentage on the SOR</p> <p>Volume II, GCC, Cl: 13.3 - Also, Cl.13.4 of GCC provides that payments under provisional sums shall be determined under Cl.13.3.1 'Variation by Instruction'. This stipulates valuation of variations under 'cost plus profit' basis. Elsewhere, (Clause 1.1.20 of GCC), profit is defined as 5% if not stated.</p> <p>Thus, there is a discrepancy with regard to valuation of the 'provisional sums'. Please clarify</p>	<p>1.1 of Preamble of Volume VII.</p> <p>Provisions of para 1.2.2 of Preamble of Volume VII shall prevail for the provisional sums.</p> <p>The Tender Conditions shall prevail.</p>
159	Volume VIII, Geotechnical Data	-	Geotechnical Data	<p>Boreholes holes BH 61, 63, 27, 64, have been terminated before reaching hard rock. For other boreholes, level of hard rock (rock core) is mentioned. Since rock levels may vary at each location, please provide a base length of pile (including socket length) from the</p>	<p>The tenderer should satisfy himself with the data furnished and make his own investigations if required before submitting his offer.</p> <p>The Tender Conditions shall prevail</p>



				cut-off level to be considered for pile quantity calculation. Also please specify rate for adjustment for extra/less depth of pile	
160	Volume VIII, Geotechnical Data	-	-	Geotechnical data given in technical specification is not enough to estimate foundation quantities. Request you to provide overall report for same.	The tenderer should satisfy himself with the data furnished and make his own investigations if required before submitting his offer.  The Tender Conditions shall prevail
161	Volume VIII, Geotechnical Data	-	-	Since this is a part of the Tender Document and is not marked as “for information only”, we assume this information is binding on bidder. Any change from the provided data and in affect the foundations systems shall be payable/deductible as the case may be. Please confirm.	Please refer Sub-Clause PC 2.5 of Volume II, Part B: Special Provisions.  The Tender Conditions shall prevail
162	General	-	No specific Format given in the Tender Document.	There is no specific format of JV/Consortium is given for Bidder / Instruction for incorporation of above query as raised above.  Please Clarify as Applicable.	The Tender Conditions shall prevail.
163	General	-	Land Acquisition	Kindly advise current status of land	Please refer Contract Data Sr.



				acquisition	No. 44 of Volume II.
164	General	-	Handing over of Site to Contractor	Kindly advise the schedule of handing over of encumbrance free site to contractor.	The Tender Conditions shall prevail.
165	General	-	Taxation	Kindly advise percentage of GST to be considered in the BID.	The applicable taxes shall be as per the rules in force.  The Tender Conditions shall prevail.
166	General	-	Traffic diversions - Road for temporary traffic diversions, Road restoration etc	We understand that cost of any Road required for Traffic diversions, Road restorations, Final carpeting, Maintenance etc. shall be payable to contractor under Schedule B	Traffic diversions, Road restoration etc. are part of lump sum price under Schedule 'A'.  The Tender Conditions shall prevail.
167	General	-	-	Project specific Schedule of Dimensions (SoD) has been referred from many points in the document. However, the same is not found in the document package provided. Please share the SoD for the project.	The draft SOD shall be shared with the successful Tenderer.
168	General	-	Not given	Please provide project schedule of dimensions (SOD).	
169	General	-		It is requested that in case of delay due to non-availability of blocks or	The Tender Conditions shall prevail.



				cancellation of planned blocks, compensation in terms of cost and time shall be granted to contractor.	
170	General	-		It is requested that payment required to be made to railways for blocks and railway supervision charges be made directly to railways from your end.	Please refer Sub-Clause 18.4.11 (d) of Volume III.  The Tender Conditions shall prevail.
171	General	-		As station is not in scope, we presume that viaduct within station is not in scope of this contract. Please confirm. Further to assess the interfacing likely to be encountered with Station contractor, construction programme of station building project is necessary. We assume that same will be shared to viaduct contractor.	Th viaduct within the station is not in the scope of this Contract. The Contractor will be required to coordinate with the Station Contractor for all interfacing issues.  The Tender Conditions shall prevail.
172	General	-		Please confirm scope of interface span between station & viaduct i.e. 5.0m span show in tender drawing	Refer Sub-Clause 18.4.10 a) of Volume III.
173	General	-		Please confirm scope of interface pier between station & viaduct.	The Tender Conditions shall prevail.
174	General	-		We request you specify standard type and shape of superstructure (except special spans) at bidding	For Viaduct, segmental box girder shall be generally provided. However, at critical



				stage itself so that all bidders are at same platform for calculating costs and thus avoid speculative bidding. Further MPMRCL as a customer should specify the requirements in terms of type and shape of superstructure in form of typical cross section drawing as done in other metro projects in India.	locations such as sharp curves, obligatory spans, etc. alternative proposals can be considered.
175	General	-		Please confirm whether coating to reinforcement bar is required in this project.	This is Design and Build contract. The Contractor shall design the Works to the Codes and submit to the Engineer for approval.  The Tender Conditions shall prevail.
176	General	-		Please confirm whether sonic testing tubes are required to be placed in the piles.	Yes, all piles shall be provided with tubes for Sonic testing. However, the Sonic testing shall be done as per Sub-Clause 9.5.2 of Volume V.  The Tender Conditions shall prevail.
177	General	-	Not given	In addition to cable supporting angle on parapet, cable tray is also shown	Cut-outs and Inserts for Cable Tray brackets shall be



				on viaduct. Please confirm if provision of cable tray is mandatory as in many ongoing metro projects cable trays not provided.	provided by Viaduct Contractor. Addendum will be issued separately.
178	General	-	Not given	From section 3rd rail provision is shown. Please provide the overall width of deck slab at straight section & curvature location for box girder.	Please refer drawing no. I001-IN3GW-CIV-DWG-00309 of Volume VI. The Tender Conditions shall prevail.