

Corrigendum III (Replies to Pre-bid Queries)

Date: 16/08/2018

Name of Project: Design and Construction of Underground Stations at Budhwar Peth, Mandai and Swargate and Associated Tunnels on the North-South Corridor of Pune Metro Rail Project.

Tender No.: P1UGC-02/2018

Tender Portal No. 138

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
1.	Part 1/ Section III	Clause 4.2 (a) a1	a1. The Bidder during last five (5) years (Since 1st Jan 2013) should have carried out design Post evaluation, if the bidder is L1 for both the packages (UGC-01 and UGC-02), the bidder during last five (5) years (Since 1st Jan 2013) should have carried out design and construction of tunnel by TBM shield (EPB/Slurry) method for length of at least 8000 meters of 5 meter minimum finished diameter in Single contract in Urban area	We request to delete the requirement of meeting the 8000 meters of TBM tunneling through single contract and modify the clause as under: Post evaluation, if the bidder is L1 for both the packages (UGC-01 and UGC-02), the bidder during last five (5) years (Since 1st Jan 2013) should have carried out design and construction of tunnel by TBM shield (EPB/Slurry) method for length of at least 8000 meters of 5 meter minimum finished diameter in Single contract in Urban area.	Please refer corrigendum - S. No. 1
2.	Part 1/ Section III	Cl. 6.1 Nominated / Specialised Sub- Contractor	The nominated/ Specialised subcontractor during last five (5) years (Since 1st Jan 2013) should have carried out tunnelling by NATM of minimum length 100m in urban area and minimum cross sectional area of 35 Sqm in a single contract in urban environment.	The nominated/ Specialised subcontractor during last five (5) years (Since 1st Jan 2013) should have carried out tunnelling by NATM of minimum length 100m in urban area and minimum cross sectional area of 35 Sqm in a single contract in urban environment.	Please refer corrigendum - S. No. 2 & S. No. 25
3.	Part 1/ Section III	Additional Notes for the bidder Sr. no. 2, Pg. 15	For Sl. Nos 4.2 a1 to 4.2 a2 above, Completed work means even 'ongoing works' where the required similar work has been 80% physically completed in all respects and the same is required to be supported by Client's Certificate(s)	For Sl. Nos 4.2 a1 to 4.2 a2 above, Completed work means even 'ongoing works' where the required similar work has been 80% physically completed in all respects and the same is required to be supported by Client's Certificate(s) along	Please refer corrigendum - S. No. 87

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			along with the Tender submission. Certified copies of Client's duly signed Certificates shall be self-attested by the Applicant.	with the Tender submission. Certified copies of Client's duly signed Certificates shall be self-attested by the Applicant.	
4.	Section X-PCC/Part III	2.1, Pg. 7	Replace 2.1(b) with: The cost of idle labour as per rate of daily wages subject to the assessment and approval of the Engineer.	In other similar metros like MEGA (Ahmedabad), Mumbai and in Chennai Metro, the contractors are compensated with cost if there is delay in handing over of site by the employer. You are requested to retain the GCC clause as below: If the Contractor suffers delay and/or incurs Cost as a result of a failure by the Employer to give any such right or possession within such time, the Contractor shall give notice to the Engineer and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to: (a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and (b) Payment of any such Cost plus profit, which shall be included in the Contract Price. After receiving this notice, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.	Please refer corrigendum - S. No. 20
5.	1, 2	Price centre- H,I,J,K,L & M B2 SCOPE OF WORKS, Sr. No. (xxxiii) to ((lxxvi))	BOQ is given for Architectural, Electrical and mechanical work. 'Design, manufacture, supply, install...	We understand that Design for Architectural, hard landscaping, E&M works for Stations (for which BOQ Price centre H,I,J,K,L & M is given) is not in the contractor's scope and bidder has to quote the rates for Architectural, hard landscaping, E&M work items as given in the pricing document. Please confirm.	Employer will provide the designs for Architectural finishes and MEP works. Please refer Corrigendum - S. No. 47

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6.	1	Price Centre H,I,J,K,L & M	BOQ is given for Architectural work, Electrical and mechanical work.	Also please confirm Schedule H,I,J,K,L & M will be treated as item rate contract. Payment for the same shall be based on actual quantities executed. Design, drawings for the same shall be provided by Employer. Please confirm	Employer will provide the designs for Architectural finishes and MEP works. Please refer Corrigendum - S. No. 47
7.	2	Section D - Construction, Sr. no. (27)	(27) The Employer has identified a muck disposal site located at *** with a disposal volume capacity adequate to dispose of the spoil/muck generated on this Contract package. This site can be utilized by the Contractor for disposing of surplus muck/spoil.	You are requested to provide the disposal site location.	Please refer corrigendum - S. No. 36
8.	2	Section D - Construction, Sr. no. (18), Pg.3	(18) The Employer will provide no land for the casting yard. The Contractor shall make his arrangement at his own cost, which is deemed to be included on lum-sum price for the Contract. The Contractor shall submit the proposal for the casting yard site within 14 days from commencement date, and shall comply with the key date provided in Appendix 2B.	You are requested to provide the casting yard of 4 hectare at free of cost.	Tender condition prevails
9.	3	PCC/14.2.3 Recovery of Advances	The recovery of the Mobilization and Plant and Machinery Advances shall each be made in 24 (Twenty four) equal instalments (once every month) commencing from Sixth month after the payment of advance.	We request you to modify the clause as per the following: Recovery of advances shall commence in RA bill in which total of all certified RA bills (in addition to the Mobilization Advance) exceeds 20% of Contract Value and shall be recovered on pro-rata basis, until the total of the Mobilization Advance is recovered before payment of 85% of project cost.	Please refer corrigendum - S. No. 22

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10.	Part 3	PCC, Cl. 13.8.3	Formula for Price variation: $V = VL + VS + VC + VF + VM$ Where, labour component PL = 22% steel component PS = 20% cement component Pc = 15% Fuel / lubricant component PF = 10% Plant & Machinery PM = 18%	Request you to modify as follows: 'Formula for Price variation: $V = VL + VS + VC + VF + VM$ Where, labour component PL = 30% steel component PS = 20% cement component Pc = 15% Fuel / lubricant component PF = 10% Plant & Machinery PM = 10% Balance 15% shall be fixed component	Tender condition prevails.
11.	3	PCC/13.8.3: Variation	The addition of $P_L + P_C + P_F + P_M + P_S = 22 + 15 + 10 + 18 + 20 = 85$. and Adjustment on account of labour component $VL = 0.85 \times PL / 100 \times Rx (Li - Lo) / Lo$, steel component $VS = 0.85 \times Ps / 100 \times R (Si - So) / So$, cement component $Vc = 0.85 \times PC / 100 \times Rx (Ci - Co) / Co$, Fuel / lubricant component $VF = 0.85 \times PF / 100 \times Rx (Fi - Fo) / Fo$, Plant & Machinery $VM = 0.85 \times PM / 100 \times Rx (Pi - Po) / Po$ Total 85% only is payable.	Kindly modify the clause as below: 'The addition of $PL + PC + PF + PM + PS = 22 + 15 + 10 + 18 + 20 = 85$ and keep balance fixed percentage as 15. And modify the formula of Adjustment on account of labour component $VL = PL / 100 \times Rx (Li - Lo) / Lo$, steel component $VS = Ps / 100 \times R (Si - So) / So$, cement component $Vc = PC / 100 \times Rx (Ci - Co) / Co$, Fuel / lubricant component $VF = PF / 100 \times Rx (Fi - Fo) / Fo$, Plant & Machinery $VM = PM / 100 \times Rx (Pi - Po) / Po$ Kindly correct the formula by removing 0.85.	Please refer corrigendum - S. No. 19
12.	Part 1/ Section III	Clause 3.2 - Average Annual Turn Over/ Page 6	Minimum average annual construction turnover of INR 6570 Million calculated as total certified payments in progress and/ or completed, in the last five (5) Financial years starting from 2013-14 to 2017-2018.	Please consider the 5 Financial Years from 2012-13 to 2016-17 instead of 2013-14 to 2017-18, as at the submission time the audited financial data will not be available and CA certificate for the same cannot be obtained for submission.	Tender conditions are self-explanatory.

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13.	Part 1/ Section III	Clause 4.2 (a) a3	In case of JV Foreign member should have minimum number of One (1) similar contract of value	We understand this clause is not applicable to Single Indian Applicant. Please confirm.	Tender clause is self-explanatory.
14.	1	BDS/ITB 21.2, 6. Form of Bid Security	The Bidder shall submit with his Bid a Bid Security .....and shall be valid for a period of 60 days beyond the bid validity period stipulated in the bid. b) if the Applicant is not the successful bidder, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the bidding process; or (ii) twenty-eight days after the end of the Bid Validity Period.	There is a discrepancy between these two clauses. Please check and let us know the validity of bid security.	Section II - Bid Data Sheet - ITB 21.2 Prevails. "Bid security shall be valid for a period of 60 days beyond the bid validity period."
15.	2	PDF Drawings	PDF Drawings are given with the tender document.	You are requested to provide the autocad drawings for the same.	CAD drawings may be obtained from PMRP office for reference purpose only. However Tender drawings (PDF version) shall prevail.
16.	2	Structural Drawings	-	Request you to provide structural framing plan for Stations.	It is part of bidder's scope of work.
17.	3	Issue of Interim Payment Certificate 'GCC/14.3	Engineer shall, within 28 days after receiving a Statement and supporting documents, deliver to the Employer and to the Contractor an Interim Payment Certificate which shall state the amount which the Engineer fairly determines to be due.	In other similar metros like Ahmedabad Metro, payment schedule is not impacting the cash flow. Hence we request you to modify the interim payment to avoid speculative bidding: The preliminary scrutiny and certification of 80% of the Invoice shall be done by the Engineer within 7 days of submission of Invoice with all supporting documents. The final scrutiny and certification of balance 20% of the Invoice shall be done by the Engineer within the next 14 days after preliminary scrutiny and certification.	Please refer corrigendum - S. No. 21

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18.	3	Interim Payment 'GCC/14.7	(b) the amount certified in each Interim Payment Certificate within 56 days after the Engineer receives the Statement and supporting documents; and	In other similar metros like Ahmedabad Metro, payment schedule is not impacting the cash flow. Hence we request you to modify the interim payment to avoid speculative bidding: Request you to modify the Payment procedure as follows: After preliminary scrutiny and certification by Engineer, payment of 80% of the invoice amount shall be made by the Employer within 7 days. The remaining 20% shall be paid within 15 days, from the date of preliminary certification of the bill by the Engineer.	Please refer corrigendum - S. No. 21
19.	3	PCC/13.8.1 & 13.8.3: Variation	Price variation adjustment in Price Centres I & J shall be made for 06 items only i.e. (i) Battery Charger Equipment (ii) Capacitors (iii) Lead Acid Batteries (iv) AC/DC ROTATIONG MACHINERY (v) MV Switchgears and (vi) Copper Cables as per the IEEMA formulae (respective formulae) mentioned in Clause 13.8.3 for the amount quoted/ confirmed under these items in the bid.....	The formulae are given only for 4 items i.e (i) Battery Charger Equipment (ii) Capacitors (iii) Lead Acid Batteries (iv) AC/DC ROTATIONG MACHINERY. Request you to provide the formulas for <i>MV Switchgears and Copper Cable.</i>	Please refer corrigendum - S. No. 19
20.	1	BDS/ITB 6.1, Pg. 5-6	PART 4 Reference Documents: ▪ Section XIII. Geotechnical Report ▪ Section XIV. OHS&E Manual ▪ Section XV. Building Condition Survey ▪ Section XVI. Utility Survey ▪ Section XVII. Tree Cutting Survey ▪ Section XVIII. Bore Well Survey	In the given Part-4 reference document, Section XV. Building Condition Survey, Section XVI. Utility Survey, Section XVII. Tree Cutting Survey and Section XVIII. Bore Well Survey is missing. You are requested to provide the same.	Please refer corrigendum - S. No. 43
21.	1 & 2	Section-III / 7. Key personnel & Section-A/ A15, (8)	Key personnel: The key personnel mentioned in the Employer's requirement and also in part-1 of Eligibility & Qualification criteria are contradictory.	Key personnel: The key personnel mentioned in the Employer's requirement and in part-1 of Eligibility & Qualification criteria are contradictory.	Criteria for Key Personnel Mentioned in Section III: Eligibility and Qualification Criteria shall prevail.

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				Request you to check and modify Key personnel requirement accordingly.	
22.	2	Appendix-2B Pg. 1 to 7	Liquidated Damages	We request that payment withheld for not achieving any intermediate milestone shall be released upon achieving the subsequent key dates.	Tender condition prevails.
23.	2	Appendix-20 Pg.11	As per SHE Manual, Minimum required SHE Manpower is approximately 52 staff which includes Manager, Engineers, Officers, supporting staff etc	We feel these SHE manual conditions are too stringent and unreasonable compare to other metro projects. There will be huge cost to the project. Request you to let contractor propose its safety manpower based on the project requirement.	Tender condition prevails.
24.	part 1/ Pricing Document	Cl. 1.3.2	Unchartered Utilities shall be payable as per concerned utility department current rates.	Request you to let us know the name of all concerned utility departments. Also request you to pay contractor's overhead and profit over and above department's rates. Please confirm.	Tender condition prevails.
25.	Part 1/ Pricing Document	Section IV b - Cl. 1.3.2	The cost of works/activities pertaining to those utilities which are required to be retained/protected/supported (or those utilities that are not permitted to be diverted by the Relevant Authorities) during construction will be deemed to be included in Price Centres "B to G".	Please let us know under which price center cost for diversion of chartered utilities are payable.	Tender clause is self-explanatory
26.	Section X-PCC/Part III	1.1.3.7	104 weeks from the date of issue of Taking Over Certificate for the whole of the Works.	It is requested to reduce the Defect Notification Period to 52 weeks which is a general practice being followed for metro projects across the country.	Tender condition prevails
27.	Section X-PCC/Part III	1.5	1.5 Priority of Documents Replace sub-clause 1.5 with the following: The priority of the documents shall be as follows: (a) The Contract Agreement; (b) The Letter of Acceptance; (c) The Letter	The contractors technical proposal along with the Employers Requirement provide a fundamental consideration based on which the tenderers would be submitting their financial bids. Also, the employers	Tender condition prevails

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			of Tender;(d) Addenda/Corrigenda to the Tender Document(e) letter of clarification if any(f) Particular Conditions of Contract(g) General Conditions of Contract FIDIC 1999 yellow book;(h) Employer's Requirements(i) Outline design criteria & Construction specification(j) Pricing document(k) Reference Document(l) Tender Drawings(m) Contractor's Technical Proposal(n) Any other document	requirements provides with basic details/guidelines within the ambit of which the project works are to be designed and constructed hence considering the importance of this document, it is requested to amend the priority of documents as listed below: The priority of the documents shall be as follows:(a) The Contract Agreement;(b) The Letter of Acceptance;(c) The Letter of Tender;(d) Addenda/Corrigenda to the Tender Document(e) letter of clarification if any(f) Employer's Requirements(g) Contractor's Technical Proposal(h) Particular Conditions of Contract(i)General Conditions of Contract FIDIC 1999 yellow book;(j) Outline design criteria & Construction specification(k) Pricing document(l) Reference Document(m) Tender Drawings(n) Any other document	
28.	Part 1 - Bidding Procedures Section IV a - Contract Data	2.1	The Employer shall give the Contractor right to access to the Site upon submission of evidence that the insurances specified in Particular Conditions have been effected. Access to site will be given in a progressive manner within a week's time of issue of LOA. The last stretch of site will be given within 12 months of LOA.	It is requested to provide detailed schedule of dates for handing over of legally encumbrance free land parcels/site/work area and access dates to the bidder, limiting last stretch handing over to 60 days.	Tender condition prevails
29.	Section X-PCC/Part III	2.5	Add to sub-clause 2.5: Employer's Claims a. Claims for amounts not insured by the contractor	The inclusion of such conditions in PCC shall transfer additional risk and liability on the contractor which may lead to speculative bidding and increase in	Tender condition prevails

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			b. Claims for amounts not recovered from insurers c. Claims for the damage caused to interfacing contractors, third parties, employers / engineers property.	contract price to the Employer thus it is requested to retain GCC Clause 2.5 and delete PCC Clause 2.5.	
30.	Section X-PCC/Part III	2.6	New Clause 2.6 : Assignment by the Employer (New Clause) The Employer shall be fully entitled without consent of the contractor to assign any part of work to any third party at the risk and cost of the contractor by giving 14 days' notice when the contractor is behind the schedule and causing undue delay.	It is requested to modify the Clause 2.6 Assignment by the Employer (New Clause) as follows:The Employer shall be fully entitled without consent of the contractor to assign any part of work to any third party at the risk and cost of the contractor by giving 14 days' notice when the rate of progress of works contractor is behind the <u>agreed</u> schedule and causing undue delay <u>for overall Completion of Works for the delays solely attributable to the Contractor. The Employer also assures to the Contractor that any such notice shall not be given pending determination of extension of time in terms of Clause 3.5.</u>	Tender condition prevails
31.	Section X-PCC/Part III, Employer's requirement/ Appendix-4	PCC/8.3.1, & Appendix-4/ 4.1 & 4.3	8.3 Programme Within 28 days of the date of the letter of acceptance, the Contractor shall submit to the Engineer, for consent, the Detailed Works Programme in the form and content prescribed in the Bidding Documents. However as per Appendix 4, Cl. 4.1 and 4.3: Programme Requirements of Employers Requirement clause 4.1 & 4.3, the initial work programme is to be submitted within 4 weeks of commencement date and detailed work	There is a discrepancy between these two clauses. Please check and let us know the duration for submission of Initial work programme and detailed work programme.	Please refer corrigendum - S. No. 16

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			programme within 21 weeks of commencement date.		
32.	Section X-PCC/Part III	14.8	14.8 Delayed Payment Deleted	This is a capital intrinsic project wherein it is imperative for a contractor to maintain proper cash flow during the execution of work wherein the time for certification of the running account bills and the corresponding date of release of payments against the same is of prime importance. Therefore, it is requested to retain GCC Clause 14.8 Delayed Payment.	Tender condition prevails
33.	Section VI - Employers Requirement Appendix 12 - Utilities, & Part 2/Section B - Functional	17. Appendix 12 - Utilities & Section B / B4 sr. No.4)	Sr no: 17 - In case of permanent diversion of water/sewer/stormwater/pipelines etc, it is the responsibility of the Contractor to carry out such work without affecting water supply/without affecting sewage disposal etc. If required alternative temporary arrangement shall have to be made by the Contractor. (4) Construction limits: (a) The limits of land for the Works are shown on the Employer's Drawings. The Contractor shall design the Works to be contained totally within these limits, respecting the regulations concerning construction and property boundaries of the local Authorities. In the event that the Contractor, having used his best endeavours, is unable to design the permanent works and utilities to be contained totally within these limits, then the Employer will obtain the necessary additional land or the Contractor may be required to redesign	From the Employers requirement (Section B - Functional Clause B4 Clearances) and Appendix 12, it is understood that in case of permanent diversion of water/sewer/stormwater/pipelines etc outside the station box area, the land required to enable shifting of utilities would be obtained by Employer. Kindly confirm that our understanding is correct in this regards.	Tender condition prevails.

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			the structure as instructed by the Engineer, at no extra cost to the Employer.		
34.	Section IX- Tender Drawings	Utilities		Please provide existing utility drawings for Swargate Station (If any)	Available information about utility are provided in Tender documents
35.	Section VII - Outline Construction Specification S.03-Tunneling	3.5.3: Particular Requirements for TBM's,	Sr no: 4 - “ TBM shall be designed to allow forward drilling through the cutter head for the purpose of probing ground condition and to carryout ground treatment to the face”.	In this case, while drilling through the cutter head if drill bit lost inside the hole, then this may lead damage to the entire cutter head due to cascading effect. So we propose probing through the shield body.	Tender condition prevails. Drilling through shield will lead in drilling at an angle of around 10 degrees. For 50 meters advanced drilling in front of TBM face it will lead to 9m above the TBM top, The ground obtained that way will not be relevant to assess the requirement of a ground treatment or the need of going to close mode. So Contractor shall drill through cutter head and take the precautions not to lose the drilling bit in the ground.
36.	Section VII - Outline Construction Specification S.03-Tunneling	3.5.3: Particular Requirements for TBM's,	Sr no: 7 - The cutter head shall be articulated such that the cutter head can be retracted from the excavation face and can be turned in any plane, so that it is at an angle to main body.	Whether the clause means cutter head tilt with w.r.t shield body? If it's so, then it has a limitation because in this system cutter head may inclined max 1deg in curve , as a result one side it excavate more and in the other side it excavate exactly same as shield dia. So there is a possibility of shield may getting struck. Instead of this system can we plan EPB TBM with axial displacement drive, suitable for 200m tunnel radius, so that if required cutter head can be withdrawn from the face. This system is very much successful	The TBM needs to be able to negotiate the tightest curve in the alignment and has to be retractile to access to the tunnel face for inspection or intervention whenever is required. Articulation of the cutter head is not mandatory.

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				as per TBM Manufacturer and also from our experience.	
37.	Section VII - Outline Construction Specification S.03-Tunneling	3.5.3: Particular Requirements for TBM's,	Sr no: 8c - In case of EPB the volume of material extracted shall be measured by calibrated belt weighers or material scanners or any other device accepted by the engineer in conjunction with skip counting.	Usually in the calibrated belt weighing system and material scanners gives 15% to 20% variation, so if we refer this value its totally misleading. So instead of this we may propose weighing system in the gantry crane for each muck skip and the gantry crane operator will keep record for each muck skip along with execution engineer.	Both measurements need to be done (By scanning or calibrated belt weighers in conjunction with muck skip counting)
38.	Part-IV reference document, Section VIII, Geotechnical interpretive report (GIR)	Clause:1.1 Project: Page No 3	Project information	Tunnel alignment is passing through the city area which is densely populated. Provide the details of buildings, monumental/Historical structures coming on the way of alignment and the height (floors) of these structures from ground. Foundation details of these buildings/structures and their level from ground. Results of Utility and underground structures along the alignment are also desired.	Utility details at Budhwarpeth and Mandai are provided in Tender drawings. EBS is part of bidder's scope of work.
39.	Drawing No: PML1-IC-GP-UGC-0231, Sheet 1 to 5 & GIR/7.2 Groundwater Conditions	Drawing title: "Geology and Geotechnical plan view and longitudinal section"	Chainages & Levels	In GIR, clause 7.2 Groundwater Conditions, it is written that GWL varies from 2.5 m to 6 m. In L section variation of water table is missing. Kindly provide the same.	Please refer corrigendum - S. No. 41 & S. No. 42
40.	1 & 2	Section-III / 7. Key personnel & Section-A/ A15	Key personnel: 5 Nos. Deputy Project managers to be deployed.	Request you to modify the number of Deputy project manager to One. And there can be section in-charge separately.	Tender condition prevails
41.	Drawing No: PML-1-IC-GP-UGC-0231, All sheets	Drawing title: "Geology and Geotechnics plan view and	Chainages & Levels	Please provide chainages along the alignment below rail levels in longitudinal section.	Please refer corrigendum - S. No. 42.

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		longitudinal section"			
42.	Drawing No: PML-1-IC-GP-UGC-0231, All sheets	Drawing title: "Geology and Geotechnics plan view and longitudinal section"	Chainages & Levels	Chainages do not match with alignment drawings. Please check.	Please refer corrigendum - S. No. 42.
43.	Drawing No: PML-1-IC-AL-UGC-0221, All sheets	Drawing title: "Arrangement of plan and longitudinal section"	Cross passages	Cross-Passages between Budhwar Peth station and Mandai station do not satisfy NFPA criterion, Please check.	Please refer to ER, Section VII - ODS, S.03, Clause 3.8, item 2 and corresponding NFPA clause.
44.	Drawing No: PML-1-IC-AL-UGC-0221, All sheets	Drawing title: "Arrangement of plan and longitudinal section"	Stabling line (after Swargate Station) length	Alignment drawings show 185 m for stabling line and geotechnical section shows 165 m.	Alignment drawings to be followed. For revised profile please refer corrigendum - S. No. 42
45.	Drawing No: PML-1-IC-AL-UGC-0221, All sheets	Drawing title: "Arrangement of plan and longitudinal section"	Stabling line (after Swargate Station) length	Dimensions of the finished tunnel is not given for Twin Tunnel NATM for stabling line.	Please refer corrigendum - S. No. 44
46.	Drawing No: PML-1-IC-GA-UGC-001	Drawing title: Layout of contracts UGC01 & UGC02	Chainage inconsistencies	Chainage Inconsistencies. For instance, $14083.1 + 2378 = 16461.1$ m. But taking into consideration Swargate Centre Line chainage, the chainage of start of swargate is 16445.74 m	Station chainages as given in alignment drawing to be followed. We do not found any ambiguity in Contract scope between general drawing and alignment drawing
47.	PML1-IC-RT-CS-0053	Drawing title: General Arrangement Drawing	Rail level and First stage concrete	Space proofing drawings, clearly mentioning the rail level from top of base slab is requested.	Please refer SOD and corrigendum. SOD given along with Tender document is a provisional SOD, and the contractors shall follow the approved SOD during execution stage.

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48.	General	All	-	Please provide Passenger data information & DPR for Budhwarpet, Mandai & Swargate underground stations	Ridership data available in the DPR, and DPR copy (Updated Nov 2015) can be downloaded from Maha-Metro website.
49.	UGC02- PART 2 - Section IX_ Tender Drawings/ Architectural/ Budhwarpet Station	Platform Level Plan	-	UPE is shown around the lift in center of platform. It needs to be connected both UPE ducts running along the platform. It will create a barrier at undercroft level to pass the cable tray through the station. How cable tray connectivity can be achieve, please check.	Complete details, design and drawings will be provided by Maha-Metro at the time of detailed design stage and during actual execution.
50.	UGC02- PART 2 - Section IX_ Tender Drawings/ Architectural/ Budhwarpet Station	Mezzanine-1 plan	4.6.2 The width of adits/ accessways shall take into account predict passenger flow and available space with minimum width of shall be 4500 mm	3000 passage space in shown in tender drawings which is 1500 less by given standard. Please confirm	Complete details, design and drawings will be provided by Maha-Metro at the time of detailed design stage and during actual execution.
51.	UGC02- PART 2 - Section IX_ Tender Drawings/ Architectural Mandai Station	Street level plan	Future property development/Service core by others. Civil contractor to consider the structural loads of property development above station as agreed with employer	Core extent is fixed or can be changed as per station design requirements?	There is no property development at Mandai and Budhwar Peth Stations. Please refer corrigendum - S. No. 46
52.	UGC02- PART 2 - Section IX_ Tender Drawings/ Architectural Mandai Station	ALL	-	Provision of public firemen staircase, service and emergency staircase are merged in one staircase at grid (B-C, 1-4). 1. Please confirm one stairs can be for all functional requirements? If not then how requirements can be fulfilled. 2. Can width of this staircase be considered for Egress evacuation calculations?	Complete details, design and drawings will be provided by Maha-Metro at the time of detailed design stage and during actual execution.
53.	UGC02- PART 2 - Section IX_ Tender Drawings/	Street level plan	Subway below grid c connecting with entry 1, 2 & 4 is shown as by others	As per Tender drawings information it's observed that the portion which is coming below grid c which includes subway, entry	Please refer corrigendum - S. No. 35 & 46. Entry 4 and subway leading to it is in UGC02 Contractor's scope of work.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	Architectural Swargate Station			1, 2 & 4 (staircase, escalators) are in others scope. Please clarify	
54.	UGC02- PART 2 - Section IX_ Tender Drawings/ Architectural Swargate Station	Street level plan	Subway above grid A	Please clarify subway & Entry -3 coming above of grid A comes under UG02 scope or others?	It is part of other contractor's scope. Please refer corrigendum - S. No. 35 & 46
55.	UGC02- PART 2 - Section IX_ Tender Drawings/PML 1-IC-GA-IRF-0089/ Jet Fan Locations	Jet Fan Niches for Cross over	-	Please confirm whether "Jet Fan Niche for 6 fans" is one niche for 6 fans or is it total 6 fans in cross over. Please confirm the size of jet fans and niche	Complete details, design and drawings will be provided by Maha-Metro at the time of detailed design stage and during actual execution.
56.	Section VII - ODS S.03- Geotechnical, Bored and NATM Tunnels	Clause 3.5.4 Design of Segments	Clause 3.5.4 The ground load on the tunnel shall be based on the actual height of overburden above the tunnel lining	Please clarify if the design of segments shall be done with the total ground load above the tunnel crown or arching effect can be taken into account	Tender clause is self-explanatory. Tender condition prevails.
57.	Section VII - ODS S.03- Geotechnical, Bored and NATM Tunnels	Clause 3.7.4 Design of NATM Lining	Clause 3.7.4 The ground load on the tunnel shall be based on the actual height of overburden above the tunnel lining	Please clarify if the design of final NATM lining shall be done with the total ground load above the tunnel crown or arching effect can be taken into account	Tender clause is self-explanatory. Tender condition prevails.
58.	UGC02- PART 2 - Section IX_ Tender Drawings	General	Tender Drawings	There is variance in Chainage in between Alignment drawing & Geotechnical plan. Kindly confirm which one to follow.	Please refer corrigendum - S. No. 42
59.	UGC02- PART 2 - Section IX_ Tender Drawings	General	Tender Drawings	Longitudinal profile of one track is missing. Whether we should consider the same profile for both the tracks.	Alignment data is provided in Tender. Bidder to generate the necessary details.
60.	UGC02- PART 2 - Section IX_ Tender Drawings	Budhwar Peth Station	Budhwar Peth Station Tender Drawing Plan & Section	For Platform Level plan, it is not mentioned that columns shall not be	Column may be judicially provided in BOH areas without hampering any equipment

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				provided. For structural Support, can we provide column?	layout and equipment movement routes after interface in detail design stage. No columns are acceptable in public areas.
61.	UGC02- PART 2 - Section IX_ Tender Drawings	Budhwar Peth Station	Budhwar Peth Station Tender Drawing Plan & Section	Please provide Structural details & Loading specifications for future property development to be considered.	There is no property development at Mandai and Budhwar Peth Stations. Please refer corrigendum - S. No. 46
62.	UGC02- PART 2 - Section IX_ Tender Drawings	Mandai Station	Mandai Station Tender Drawing Plan & Section	Please provide Structural details & Loading specifications for future property development to be considered.	There is no property development at Mandai and Budhwar Peth Stations. Please refer corrigendum - S. No. 46
63.	UGC02- PART 2 - Section IX_ Tender Drawings	Swargate station	Swargate Station Tender Drawing Plan & Section	<ol style="list-style-type: none"> 1. It is mentioned in drawing that in between Entry 1 & 2 subway to be done by others. Whether Entry will be in our scope or not? 2. Please provide Structural details & Loading specifications for future property development to be considered. 3. It is mentioned that temporary support system & Excavation to be carried out by UGC-04 contractor. Please provide us the interface details i.e. structural details of temporary support system, layout of temp supports and other design assumptions to be considered in station design. 4. Whether Entry 3 will be in our scope or not as the subway near Entry 3 is to be done by others? 5. In Concourse plan some columns of future parking are infringing with 	<ol style="list-style-type: none"> 1. No. It is not a part of UGC02 Contract's scope of work. Please refer corrigendum - S. No. 35 & 46 2. UGC-02 Contractor shall interface with designated contractor for any inputs on design/construction. 3. Please refer corrigendum S. No. 35 & 46 4. Entry 3 and subway leading to it are part of other contractor's scope of work. Please refer corrigendum S. No. 35 & 46 5. Property development and parking shall be independent of station box.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				station wall. Whether to consider the parking integrated with station building or it will be separate one?	
64.	Section VII - ODS S.03- Geotechnical, Bored and NATM Tunnels	Clause 3.4.3	The Employer will make available to the Contractor, for information only, the Building Condition Survey information available with him - refer Part 4.	BCS reports are not available in Part-4. Kindly provide	Please refer corrigendum - S. No. 43
65.	PART IV - REFERENCE DOCUMENT Section XIII - Geotechnical Interpretative Report	Geotechnical Interpretative Report	-	Geofactual report and Borelogs are not given in GIR. Kindly provide	Please refer corrigendum - S. No. 41
66.	-	Safety at crossing area	-	Ventilation strategy and evacuation at crossing will require some additional ventilation device located at tunnel crossing areas to guarantee the evacuation. Are the strategies for evacuation and ventilation defined?	Cross-passage shall be pressurized with ventilation fans interlocked with cross-passage door.
67.	UGC02- PART 2 - Section IX_Tender Drawings/ Alignment	Safety at provisional terminus	-	End of the line will require a shaft to guarantee the ventilation at this location. Is there a shaft for ventilation at this point? If a shaft is defined, the shaft would have also evacuation functionality and ingress for firefighting team?	Ventilation shaft not required at the end of the Tunnel as the length is only 160 meters. Cross passage will suffice the purpose. It was verified with CFD & SES studies.
68.	Section VII - OCS S.01-Civil and Structural Works	2.2: Fill, 2.2.4: Backfill to structures	2.2.4 Backfill to Structures.....Unless otherwise directed, the backfill material shall be selected excavated material or sand, thoroughly compacted in layers not exceeding 200 mm deep to achieve a density of at least 95% of the maximum dry density.	Excavated Material will be in the form of rock pieces, impossible to achieve required density of at least 95%, leaving only sand as the suitable material. Please check and confirm?	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
69.	Part-1	NIT	Bid due date is 26th July 2018.	This is an EPC contract and lots of inputs are required from the designer and the vendors. In the view of above, you are requested to extend the bid due date upto 27th August 2018.	Please refer respective corrigendum
70.	Part I, Page-017 & Part I, Page 15	Section IB, Clause-21.2 & Section II, ITB 21.2	The Bid Security shall be valid for twenty-eight (28) days beyond the original validity period of the Bid, or beyond any period of extension if requested under ITB 20.2. The bidder shall submit Shall be valid for a period of 60 days beyond the bid validity period ...	Please Clarify whether the Bid Security shall be valid for twenty-eight 28 days or 60 days beyond bid validity period	Section II - Bid Data Sheet - ITB 21.2 Prevails. "Bid security shall be valid for a period of 60 days beyond the bid validity period."
71.	Part I, Page-04-05	Section IA, E-Tender Tool kit, Online Submission of Bid, Clause-iv-g & i	For submission of Tender Document.... Bidders have to tick (✓) the corresponding checkbox provided in the Technical Section of E-Tendering portal as a token of acceptance of these bid documents & corrigendum / Addendums. By clicking the tick (✓) the bid documents & corrigendum / addendum shall automatically attached to offer of bidder. Further bidder may proceed for submission by clicking submit button. Physical Sign & seal of bidder on each page of Bid Documents available online is not required.	Please re Confirm that there is no need to stamp, sign and upload tender document	Understanding is correct.
72.	Part I, Page-05	Section IA, E-Tender Tool kit, Online Submission of Bid, Clause-iv-k	The "Technical Envelope" / "Technical Section" of E-Tender portal has been provided with facilities to upload a file of maximum size of 10 mb only at each entity.	Please Confirm how many Entity can be loaded for Technical bid and what is the maximum limit of Technical Bid in mb	There is no limit to the number of files that can be uploaded for technical bid. Specified limit of 10 MB is meant for a single file only.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
73.	Part I,Page-06	Bidding Procedures, Section II, ITB 6.1	The contents of Part 4 - Reference Documents are for general reference information only and any interpretation of the results shall be construed as opinions only and not as representations or warranties as to the actual site or sub-soil conditions.	The contractor would be bidding based on reference documents since the time period provided for bidding is very short. Hence during execution , if there is any variation , Contractor shall be compensated for time & Cost	Tender condition prevails.
74.	Part I,Page-5&6	Bidding Procedures, Section II BDS,ITB 6.1	Part IV Reference Documents <ul style="list-style-type: none"> • Section XIII. Geotechnical Report • Section XIV. OHS&E Manual • Section XV. Building Condition Survey • Section XVI. Utility Survey • Section XVII. Tree Cutting Survey • Section XVIII. Bore Well Survey 	Please provide below mentioned Documents, which are not available in uploaded tender document section <ul style="list-style-type: none"> • Section XV. Building Condition Survey * Section XVI. Utility Survey • Section XVII. Tree Cutting Survey • Section XVIII. Bore Well Survey 	Please refer corrigendum - S. No. 43
75.	Part I,Page-14&15		Material advance	We request you to consider material advance for 95% of material value	Please refer corrigendum - S. No. 23
76.	Part I,Page-16	Bidding Procedures, Section II, ITB 22.2	The entire Bid Document available on e-tender portal of Maha-Metro with all Corrigendum and Addendum issued from time to time and requisite enclosures described and directed in bid documents shall be downloaded, filled and uploaded on the e-tender portal of MAHA-METRO by the authorized signatory on behalf of the bidder with his digital signature (DSC). The bidder who fails to submit as mentioned aforesaid, his bids shall be treated as non-responsive and not considered for evaluation.	The entire Bid Document available on e-tender portal of Maha-Metro with all Corrigendum and Addendum issued from time to time and requisite enclosures described and directed in bid documents shall be downloaded, filled and uploaded on the e-tender portal of MAHA-METRO by the authorized signatory on behalf of the bidder with his digital signature (DSC). The bidder who fails to submit as mentioned aforesaid, his bids shall be treated as non-responsive and not considered for evaluation.	No query. Tender condition prevails.
77.	Part I,Page-24	Bidding Procedures Section III - Eligibility & Qualification	7. KEY Personnel: Notes: 2.The successful bidder has to deploy the same key personnel (within 100 days	We request to consider that the successful bidder has to deploy the same key personnel or alternative personnel meeting the Contractual requirement. Further we	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
		Criteria, Clause 7,	of commencement date) as indicated in the bid submittal failing which penalty of INR 0.10 Million / week /position will be imposed.	request that the personal shall be deployed based on the construction programme since some of the key personnel are not required within in 100 days	
78.	Part I,Page-17	Bidding Procedures, Eligibility Qualification Criteria, Section III, Qualification Detail and Criteria ,Clause-5.1	A list of potential Detailed Design Consultants of at least two (DDC Proposed to be appointed on behalf of the Applicant) to be submitted	As you may be aware that Each contractor will have exclusive tie up with Designer and it may not be difficult to provide Credentials of 2 Designers and can we provide credentials one designer meeting the requirement and name of the other Designers. Further please confirm whether we can one DDC for "Station & Cut & cover", one for Tunnel and One NATM. Further please clarify whether the contractor can engage the same DDC setup for the upcoming UG package	Tender condition prevails.
79.	Part I,Page-24	Bidding Procedures, Eligibility Qualification Criteria, Section III , Key Personnel ,Clause-7.(Vii)	Geological Expert: MSc (Geology) /B. E/ B tech in Civil Engineering with 12 years of total experience and 8 years as Geological Expert in similar Nature of works in the respective field. The CV of the Geological Expert shall be submitted as per Section IV a: Bidding Forms FROM PER -1.	We request to consider 8 years of total experience and 3years in similar field	Tender condition prevails.
80.	Part I,Page-24	Bidding Procedures, Eligibility Qualification Criteria, Section III , Key Personnel ,Clause-7.(X)	Engineering Manager: BE/ B Tech in Civil Engineering with 15 years total experience and 6 years in Design of similar works.	We request to consider 10 years of total experience and 4 years in similar field	Please refer corrigendum - S. No. 4
81.	Part I,Page-24	Bidding Procedures, Eligibility Qualification	E&M Project Manager: BE/ B Tech in Engineering with 15 years total experience and 6 years in similar works.	We request to consider 8 years of total experience and 2 years in similar field	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
		Criteria, Section III , Key Personnel ,Clause-7. (Xi)			
82.	Part I,Page-23 & Part II , Section VI A , Page 14/15	Bidding Procedures, EQC, Section III, Key Personnel, Clause-7. Key Personnel & Key Staff Section VIA, ER - General,A15, Clause-(8)	Key personnel experience	Both are contrary. Please clarify which clause prevails	Criteria for Key Personnel Mentioned in Section III: Eligibility and Qualification Criteria shall prevail.
83.	Part I,Page-23/365	Section-III, Clause-7	Key personnel	Request to Consider Diploma Qualification also.	Tender condition prevails.
84.	Part I,Page-24 & Part II , Section VI A , Page 14/15	Bidding Procedures, Eligibility Qualification Criteria, Section III , Key Personnel ,Clause-7.xii / Section VIA, Employers Requirement - General,A15,C lause-(8).(f)	(xii) Lead Design Consultant & Lead Design Checker: The requirement is one Lead Design consultant & lead design checker respectively having minimum ME/M Tech in Civil Engineering with 15 years of total experience and 6 years in projects of similar nature and 3 years in similar post or kin of. (8). (f). The Engineering Manager (Lead Design Checker) shall be a Professional Engineer with at least twenty (20) years' experience in the design of underground civil works, including bored and NATM and cut & cover tunnels, with at least ten (10) years' experience managing a large, complex design project(s) that included work of a similar nature. Experience shall include	Please clarify whether Lead Design Checker Can be from the same DDC.	Please refer corrigendum - S. No. 4 & S. No. 5

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			management of design projects that include the types of work included in the Works. The Engineering Manager (Lead Design Checker) shall be assisted by a team of Design Checkers to cover the full scope of the design required by this Contract.		
85.	Part I,Page-025	Bidding Procedures, EQC, Section III, Qualification Detail and Criteria ,Clause- 8	Tunnel boring Machine(New) (Machine shall be capable of changing from open to close mode) 2 Number Required	Please clarify whether refurbished TBMs will be allowed	Please refer corrigendum - S. No. 3
86.	Part I,Page-21	Section IVa,4.4. Bidder's Technical Submission ,Clause-4.5	"Foundations, main substructure and superstructure elements; -	Are there any type of such elements (main substructure and superstructure) specially meant in Main Station Buildings	Please refer tender drawings which are self-explanatory.
87.	Part I, Page-23	Section IVa,Clause-5.2.2	In producing the Particular Specifications the Bidder shall ensure that clauses, paragraphs and any appendices therein are identified by their numbering as uniquely belonging to the Particular Specifications , and shall not in any event amend or change the numbering in the Outline Specifications.	Under the same head of Outline Specifications, any elaboration and / or shortening of the contents will be allowed?	Tender condition prevails.
88.	Part I,Page-09	Section IVa,2. Appendix to Bid, Contract Data, SN-4, Sub- Clause- 1.1.3.7	<u>Defects Notification Period (Defect Liability Period)</u> 104 weeks from the date of issue of Taking Over Certificate for the whole of the Works	Request to consider 52 week instead of 104 weeks as well as Issue of taking over certificates in Parts	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
89.	Part I,Page-10	Section IVa,2. Appendix to Bid, Contract Data ,SN-14, Sub- Clause- 2.1	<u>Time for access to the Site</u> The Employer shall give the Contractor right to access to the Site upon submission of evidence that the insurances specified in Particular Conditions have been effected. Access to site will be given in a progressive manner within a week's time of issue of LOA. The last stretch of site will be given within 12 months of LOA.	Please reconfirm that access to site and all the work area except the last stretch will be handed over with one week from date of issue of LOA. Please define what is the last stretch.	Tender condition prevails. Land parcels will be made available as stated in Appendix 2A.
90.	Part I,Page-013	Section IVa,2.Appendix to Bid, Contract Data, SN-35,Sub- Clause- 14.3	<u>Minimum Amount of Interim Payment Certificates</u> Minimum 1%.	The bill value specifically at the start & end of the project will be less than 1%. Hence we request to delete this clause	Tender condition prevails.
91.	Part I,Page-013--14	Section IVa,2.Appendix to Bid, Contract Data, SN-41,Sub- Clause- 18.5(PC)	<u>Amount of Professional Indemnity Insurance (PII) (For design work)AOA</u> (any one accident) limit equal to 6% of the contract value against Schedule 'A' of Price Bid 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% AOA limit. All 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' or 3 years after commencement of commercial train operations whichever is later. Wherever the Contractor submits policy for shorter period / annual renewable policy, the same shall be renewed before its expiry date. In such situation,	Request to consider 3 % of the Lump sum Contract Value instead of 6 % as well as 1 incident instead of 2. Further we request to delete the wording "3 years after commencement of commercial train operations" since Contractor do not have a role on the same.	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			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.		
92.	Part I ,Page-03	Section IV b - Price Document, Clause-1.3 Description of Pricing Centre	The Price Centres "H , I , J , k , L & M" are for BOQ based portion of work and shall be paid on the quoted prices of the items accordingly.	Please confirm for Price centres "H, I, J, K, L & M" contractor need not to design	Employer will provide the designs for Architectural finishes and MEP works. Please refer Corrigendum - S. No. 47
93.	Part I ,Page-05	Section IV b - Price Document, Clause-1.3.2 Pricing Centres "B,C,D,E,F&G"	Works relating to diversion, relocation, etc., of the uncharted utilities met with during execution), and such works to be executed if Engineer directs to do it and the payment shall be on a BOQ measurement basis and the rates shall be the concerned utility department current rates.	As we do not know the Scope of works as well rate of Concerned Utility department Current rates, request that Contractor shall be allowed to submit a proposal and the same shall be discussed and agreed upon.	Tender condition prevails.
94.	Part I,Page-42	Bidding Procedures Section IV a - Bidding Forms, Financial data	Notes: The financial data in the prescribed format shall be certified by Chartered Accountant with his stamp and signature. In case audited balance sheet for the immediately preceding financial year i.e. 2017-18 is not available, he has to submit an affidavit certifying that the "balance sheet has actually not been audited so far". In such a case the financial data of previous 'five audited financial years before 2016-17 will be taken into consideration for evaluation.	In "China" the financials period is from January to December. Please confirm that we can submit the financial data for the last five years 2013,2014,2015,2016 & 2017.	Agreed to.
95.	Part I,Page-49	Bidding Procedures,	Specific Construction and Contract Management Experience	Can we confirm that this submittal requirement is applicable for Bidders who	Completion/Work done certificates issued by client will

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
		Section IV a - Bidding Forms, 5.11 Form EXP - 4.2(a)(cont.)	(cont.)In case the work is executed for Public Ltd. Company listed in Stock Exchange in India or Abroad, copy of work order, bill of quantities, bill wise details of payment received certified by C.A., T.D.S. certificate for all payments received and copy of final/last bill paid by client shall also be submitted. Work done certificate signed by the director of the company is preferable. However, the same from power of attorney holder will also be acceptable. Only the quantum of work as executed by the Bidder / member in his own name should be indicated. Where a work is undertaken by a group, only that portion of the contract which is undertaken by the concerned Bidder/ member should be indicated and the remaining done by the other members of the group be excluded. Bidder has to attach credential certificates from client in support of above details.	have referenced clients that are public listed companies?" In another words, clients referenced by bidders that are not public listed companies are not subjected to the said submittal requirement? If so we request to accept submission of LOI/LOA and Completion Certificates	be accepted for technical evaluation.
96.	Part I,Page-22	Bidding Procedures, Section IVa,4.4 Bidder's Technical Submission, Clause-4.21	<u>Bidder's Technical Submissions Requirements for Bidder's Technical Proposals</u> 4.21 Provide the following in connection with the Station Architectural Layout for each station	Please confirm that contractor need to develop the same based on the drawings provided Pune Metro and the contractor need not design the same.	Employer will provide the designs for Architectural finishes and MEP works. Please refer Corrigendum - S. No. 47
97.	Part I , Page-53--54	Section IV a, 6. Form of Bid Security	This guarantee will expire : (a) if the Applicant is the Successful bidder , upon our receipt of copies of the contract agreement signed by the Applicant and the performance security	We understand the Bid security shall be valid for 60 days after end of the Bid Valid period of 180 days from Bid submission deadline date. As per present format, for (b) it is upon earlier of (i) or (ii). But	Section II - Bid Data Sheet - ITB 21.2 Prevails. "Bid security shall be valid for a period of 60 days beyond the bid validity period."

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			issued to the Beneficiary in relation to such contract agreement : or (b) if the Applicant is not the successful bidder , upon earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the bidding process; or (ii) twenty -eight days after the end of the Bid Validity period	considering (a) and (b) which is earlier is not mentioned. Hence request to modify as follows. This guarantee will expire : upon earlier of (a) or (b) (a) if the Applicant is the Successful bidder, upon our receipt of copies of the contract agreement signed by the Applicant and the performance security issued to the Beneficiary in relation to such contract agreement: or (b) if the Applicant is not the successful bidder , upon earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the bidding process; or (ii) sixty -days after the end of the Bid Validity period of 180 days from Bid submission deadline date	
98.	Part I, Schedule-A2		BOQ	Weight of 3% is Establishment of Casting yard. Accordingly, bidder requests the weight be increased to 20%.	Tender condition prevails.
99.	Part II, Page-01	Section VI ER Appendix-2A, Clause-Work area (4)	(4) The Contractor shall submit to the Engineer for a notice of no objection, a written proposal for the use and occupation of these Site and works Areas at least 6 week prior to the programmed use of the requested areas.	As the period of 6 weeks is too long ,we request to modify as follows "The Contractor shall submit to the Engineer for a notice of no objection, " a written proposal for the use and occupation of these Site and works Areas as early as practically possible prior to the programmed use of the requested areas ".	Tender condition prevails.
100.	Part II, Page-02	Section VI ER Appendix-2A, Clause-Work area (12)	(12) Schedule of Site Access Dates: The land parcels as shown in Works Area Tender Drawings will be shared in piece and parcels based on the Contractor's	Please confirm that Maha Metro is the possession of work area and request to provide handing over dates to the Contractor	Tender condition prevails. Land parcels will be made available as stated in Appendix 2A.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies			
			construction programme and upon receipt of request from Contractor.					
101.	Part II, Page-01	Section VI, ER, Appendix 17 - Adjacent Works Contracts	Swargate Station Multistoried development - Contractor shall liaise with them and consider necessary input in underground station permanent structural design. Vis-a-viz shall respect their requirements.	We request you to provide necessary input for design of underground station permanent structural design. Also request to provide Swargate Station Multi storied development plan along with drawings.	Tender condition prevails. Bidder shall interface with designated contractor for necessary inputs.			
102.	Part II, Page-02	Section VI ,ER, Appendix 4, Clause 3.0 - Programme Management Software	CPM programming software used shall be Primavera Project planning (P 7) program or latest version.....	The latest version is, Primavera P6 17.12 (EPPM or PPM) and at times 17 version is called as P7. Please reconfirm that Primavera P6 17.12 is to be followed	Tender clause is self-explanatory.			
103.	Part II,Page-03	Section VI ER Appendix-2B , Key dates	Key dates Budhwarpeth <table><tr><td>KD-3</td><td>Completion Excavation for station box</td><td>308</td></tr></table>	KD-3	Completion Excavation for station box	308	Please confirm that this Key date is applicable for Cut & cover of Part of the station excluding NATM station. We prefer to delete the key date .If not request to revise as 450days for Cut & Cover portion considering the access to the location, existing buildings demolition and other issues.	Please refer corrigendum - S. No. 30
KD-3	Completion Excavation for station box	308						
104.	Part II,Page-03	Section VI ER Appendix-2B , Key dates	Budhwarpeth <table><tr><td>KD-5</td><td>Base slab construction for the station including installation of waterproofing membrane, toe in of slab (if any) and installation of tension piles (if any)</td><td>434</td></tr></table>	KD-5	Base slab construction for the station including installation of waterproofing membrane, toe in of slab (if any) and installation of tension piles (if any)	434	Please confirm that this key date is applicable only for Cut & cover of station excluding NATM station. We request to revise the key date as 570days based on proposed Key date 03	Please refer corrigendum - S. No. 30
KD-5	Base slab construction for the station including installation of waterproofing membrane, toe in of slab (if any) and installation of tension piles (if any)	434						

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies			
105.	Part II,Page-03	Section VI ER Appendix-2B , Key dates	<div>Budhwarpeth, MANDAI & Swargate</div> <table><tr><td>KD-6</td><td>Achieve substantial completion of the following station rooms/areas ➤ To Provide access to all Interfacing Contractors of Group 1 station rooms finished to Degree 3 completion ➤ To provide access to Lift & Escalator Contractor on Station entrance and structure on Concourse and Mezzanine (wherever</td><td>672</td></tr></table>	KD-6	Achieve substantial completion of the following station rooms/areas ➤ To Provide access to all Interfacing Contractors of Group 1 station rooms finished to Degree 3 completion ➤ To provide access to Lift & Escalator Contractor on Station entrance and structure on Concourse and Mezzanine (wherever	672	<div><u>We request to change description of KD as follows,</u></div> <div>Achieve substantial completion of the following station rooms/areas</div> <div>i) To Provide access to all Interfacing Contractors of Group 1 station rooms finished to Degree 3 completion Degree 1 completion (Proposing to Handover Degree 3 at KD-12)</div> <div>ii) To provide access to Lift & Escalator Contractor on Station entrance and structure on Concourse and Mezzanine (wherever applicable) Level finished to Degree 2 completion (Proposing to handover at KD-09)</div>	Please refer corrigendum - S. No. 30, 31 & 32
KD-6	Achieve substantial completion of the following station rooms/areas ➤ To Provide access to all Interfacing Contractors of Group 1 station rooms finished to Degree 3 completion ➤ To provide access to Lift & Escalator Contractor on Station entrance and structure on Concourse and Mezzanine (wherever	672						
106.	Part II,Page-03	Section VI ER Appendix-2B , Key dates	<div><u>Key dates</u></div> <div>Tunnel key dates</div> <table><tr><td>KD-1</td><td>Preliminary Design Submission and Finalization of TBM design and proceed for manufacturing</td><td>63</td></tr></table>	KD-1	Preliminary Design Submission and Finalization of TBM design and proceed for manufacturing	63	Request to consider 90 days	Please refer corrigendum - S. No. 33
KD-1	Preliminary Design Submission and Finalization of TBM design and proceed for manufacturing	63						
107.	Part II,Page-03	Section VI ER Appendix-2B , Key dates	<div>Tunnel key dates</div> <table><tr><td>KD-4</td><td>Completion of casting yard and first segment</td><td>224</td></tr></table>	KD-4	Completion of casting yard and first segment	224	As the Contractor needs to conclude on the casting yard land and then establish the casting yard, we request to revise the key date as 300days	Please refer corrigendum - S. No. 33
KD-4	Completion of casting yard and first segment	224						
108.	Part II,Page-03	Section VI ER Appendix-2B , Key dates	<div>Station Key dates KD 6 to KD 15 BUDHWAR PETH</div>	We request to consider to revise the KD-06 to KD-15 of Budhwar peth station by adding 126days for each Key date considering time required for scope of works as well as proceeding Key dates	Please refer corrigendum - S. No. 30			

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies																																										
109.	Part II,Page-04	Section VI ER Appendix-2B , Key dates	<div>Station Keydates MANDAI</div> <table><tr><th colspan="3">STATION KEY DATES</th></tr><tr><th>Key Dates</th><th>Description</th><th>No.of.day from commencement</th></tr><tr><td></td><td></td><th>Mandai</th></tr><tr><td>KD-08</td><td>Achieve substantial completion of station track areas finished to Degree 1 completion and provide access to interfacing contractors</td><td>791</td></tr><tr><td>KD-09</td><td>Achieve substantial completion of station structures on Platform Level finished to Degree 2 completion and</td><td>847</td></tr><tr><td>KD-10</td><td>Achieve substantial completion of the following station rooms / areas and provide access to all Interfacing Contractors i) Group 1 station rooms in the ancillary buildings on Street Level to finished Degree 3 completion Platform screen door work zones to finished Degree 2 completion</td><td>903</td></tr><tr><td>KD-11</td><td>Achieve substantial completion of station Platform Level areas finished to Degree 2 completion and provide access to all Interfacing contractors</td><td>945</td></tr></table>	STATION KEY DATES			Key Dates	Description	No.of.day from commencement			Mandai	KD-08	Achieve substantial completion of station track areas finished to Degree 1 completion and provide access to interfacing contractors	791	KD-09	Achieve substantial completion of station structures on Platform Level finished to Degree 2 completion and	847	KD-10	Achieve substantial completion of the following station rooms / areas and provide access to all Interfacing Contractors i) Group 1 station rooms in the ancillary buildings on Street Level to finished Degree 3 completion Platform screen door work zones to finished Degree 2 completion	903	KD-11	Achieve substantial completion of station Platform Level areas finished to Degree 2 completion and provide access to all Interfacing contractors	945	<div>Since track area ,Outer UP wall works and Platform slab can be taken only after completion of Tunnelling operations ie Key KD 08 A (1001 days) & KD 08 B (1036 days), we request to revise the Key dates as follows,</div> <table><tr><th colspan="3">STATION KEY DATES</th></tr><tr><th>Key Dates</th><th>Description</th><th>Proposed Key Dates</th></tr><tr><td></td><td></td><th>Mandai</th></tr><tr><td>KD-08</td><td>Achieve substantial completion of station track areas finished to Degree 1 completion and provide access to interfacing contractors</td><td>1137</td></tr><tr><td>KD-09</td><td>Achieve substantial completion of station structures on Platform Level finished to Degree 2 completion and</td><td>1193</td></tr><tr><td>KD-10</td><td>Achieve substantial completion of the following station rooms / areas and provide access to all Interfacing Contractors i) Group 1 station rooms in the ancillary buildings on Street Level to finished Degree 3 completion Platform screen door work zones to finished Degree 2 completion</td><td>1249</td></tr><tr><td>KD-11</td><td>Achieve substantial completion of station Platform Level areas finished to Degree 2 completion and provide access to all Interfacing contractors</td><td>1291</td></tr></table>	STATION KEY DATES			Key Dates	Description	Proposed Key Dates			Mandai	KD-08	Achieve substantial completion of station track areas finished to Degree 1 completion and provide access to interfacing contractors	1137	KD-09	Achieve substantial completion of station structures on Platform Level finished to Degree 2 completion and	1193	KD-10	Achieve substantial completion of the following station rooms / areas and provide access to all Interfacing Contractors i) Group 1 station rooms in the ancillary buildings on Street Level to finished Degree 3 completion Platform screen door work zones to finished Degree 2 completion	1249	KD-11	Achieve substantial completion of station Platform Level areas finished to Degree 2 completion and provide access to all Interfacing contractors	1291	Please refer corrigendum - S. No. 31
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110.	Part II,Page-03	Section VI ER Appendix-2B , Key dates	Station Key dates 12 to 15 MANDAI	We request to consider to revise the KD-12 to KD-15 of Mandai station by adding 126days for each Key date	Please refer corrigendum - S. No. 31																																										
111.			<div>Station Key dates SWARGATE</div> <table><tr><td>KD-7</td><td>Achieve substantial completion of station track areas finished to Degree 1 completion and provide access to interfacing contractors</td><td>791</td></tr></table>	KD-7	Achieve substantial completion of station track areas finished to Degree 1 completion and provide access to interfacing contractors	791	Since the partial portion of swargate station track area will be occupied by TBM operation, we request to consider to revise the KD 90 days after TBM tunnelling completion (i.e) 1036+90 = 1126Days	Please refer corrigendum - S. No. 32																																							
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112.			<table><tr><th colspan="3">TUNNEL KEY DATES</th></tr><tr><th>Key Dates</th><th>Description</th><th>No.of.day from commencement</th></tr><tr><td>KD-05</td><td>Assembling and Start of Initial drive for TBM-1</td><td>364</td></tr><tr><td>KD-06</td><td>Assembling and Start of Initial drive for TBM-2</td><td>392</td></tr><tr><td>KD-07A</td><td>TBM 1 Arrival at Mandai Station (Drive Swargate to Mandai)</td><td>679</td></tr><tr><td>KD-07B</td><td>TBM 2 Arrival at Mandai Station (Drive Drive Swargate to Mandai)</td><td>714</td></tr><tr><td>KD-08A</td><td>TBM 1 Arrival at Budhwar peth Station (Drive Mandai to Budhwar peth)</td><td>1001</td></tr><tr><td>KD-08B</td><td>TBM 2 Arrival at Buhuwar peth Station (Drive Mandai to Budhwar peth)</td><td>1036</td></tr></table>	TUNNEL KEY DATES			Key Dates	Description	No.of.day from commencement	KD-05	Assembling and Start of Initial drive for TBM-1	364	KD-06	Assembling and Start of Initial drive for TBM-2	392	KD-07A	TBM 1 Arrival at Mandai Station (Drive Swargate to Mandai)	679	KD-07B	TBM 2 Arrival at Mandai Station (Drive Drive Swargate to Mandai)	714	KD-08A	TBM 1 Arrival at Budhwar peth Station (Drive Mandai to Budhwar peth)	1001	KD-08B	TBM 2 Arrival at Buhuwar peth Station (Drive Mandai to Budhwar peth)	1036	<p>Considering the completion of NATM cross over at Swargate, completion of NATM station on either side of "MANDAI" cut & cover station as well as over less tunnel length we request to revise the tunnel Key dates as follows</p> <table><tr><th colspan="4">TUNNEL KEY DATES</th></tr><tr><th>Key Dates</th><th>Description</th><th>No.of.day from commencement</th><th>Proposed Keydates</th></tr><tr><td>KD-05</td><td>Assembling and Start of Initial drive for TBM-1</td><td>364</td><td>595</td></tr><tr><td>KD-06</td><td>Assembling and Start of Initial drive for TBM-2</td><td>392</td><td>625</td></tr><tr><td>KD-07A</td><td>TBM 1 Arrival at Mandai Station (Drive Swargate to Mandai)</td><td>679</td><td>789</td></tr><tr><td>KD-07B</td><td>TBM 2 Arrival at Mandai Station (Drive Drive Swargate to Mandai)</td><td>714</td><td>819</td></tr><tr><td>KD-08A</td><td>TBM 1 Arrival at Budhwar peth Station (Drive Mandai to Budhwar peth)</td><td>1001</td><td>1001</td></tr><tr><td>KD-08B</td><td>TBM 2 Arrival at Buhuwar peth Station (Drive Mandai to Budhwar peth)</td><td>1036</td><td>1036</td></tr></table>	TUNNEL KEY DATES				Key Dates	Description	No.of.day from commencement	Proposed Keydates	KD-05	Assembling and Start of Initial drive for TBM-1	364	595	KD-06	Assembling and Start of Initial drive for TBM-2	392	625	KD-07A	TBM 1 Arrival at Mandai Station (Drive Swargate to Mandai)	679	789	KD-07B	TBM 2 Arrival at Mandai Station (Drive Drive Swargate to Mandai)	714	819	KD-08A	TBM 1 Arrival at Budhwar peth Station (Drive Mandai to Budhwar peth)	1001	1001	KD-08B	TBM 2 Arrival at Buhuwar peth Station (Drive Mandai to Budhwar peth)	1036	1036	Please refer corrigendum - S. No. 33
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113.	Part II,Page-03	Section VI ER Appendix-2B , Key dates	Tunnel Key dates KD 09 to KD 14	We request to consider to revise the KD-09 to 14 of Tunnel Key dates by adding 123 days for each Key date	Please refer corrigendum - S. No. 33																																																								
114.	Part II,Page-03	Section VI ER Appendix-2B , Key dates	<p>Tunnel Key dates</p> <table><tr><td>KD-5</td><td>Assembling and Start of Initial drive for TBM-1</td><td>364</td></tr></table>	KD-5	Assembling and Start of Initial drive for TBM-1	364	Please confirm the entire Swargate station will be handed over within 180days to commence NATM Cross over works	Tender condition prevails																																																					
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115.	Part II, , Page-3	Section VI , Section D, Clause 18-Construction	<p>Casting yard</p> <p>The Employer will provide no land for the casting yard. The Contractor shall make his arrangement at his own cost, which is deemed to be included on lumpsum price for the Contract. The Contractor shall submit the proposal for the casting yard site within 14 days from</p>	Request Employer to provide the casting yard free of cost	Tender condition prevails																																																								

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			commencement date, and shall comply with the key date provided in Appendix 2B.		
116.	Part II , Page- 4	Section VI , Section D , Employer's requirements, Clause 27. Casting Yard	The Employer has identified a muck disposal site located at *** with a disposal volume capacity adequate to dispose of the spoil/muck generated on this Contract package. This site can be utilized by the Contractor for disposing of surplus muck/spoil.	Please provide the location	Please refer corrigendum - S. No. 36
117.	Part II, Page- 05	Section VI - Employers Requirement Section B - Functional,B2.	SCOPE OF WORKS XVI. Columns and the 1st level slab of Elevated station falling above the Civil Court underground station (as marked in architectural drawing) (xix) Swargate development plan shall be well integrated with Swargate underground station by means of subways/foot over bridges as shown in Employers Drawing along with the required Building Services (the details of which shall be determined at the detailed design stage), Architectural Builder's Works and Finishes etc. complete in all respects including all provisions required for installation of ventilation system by the Ventilation and ECS Contractor, and	We request to provide the schematic layout and loading of the same	(XVI) Query is related to UGC01 tender. (xix) Tender condition prevails. Bidder shall interface with designated contractor for necessary inputs.
118.	Part II ,Page- 8	Section VI , Section C , Employer's requirements, Clause 3, Documents	The report shall outline the basic Characteristic of the station Planning adopted by the Contractor..... A computer simulated Passenger flow model.....	This means contractor shall carry out Complete Architectural Planning of the Station. We request the Employer shall freeze station layout and provide. The contractor scope shall be limited to detailing of station. Please clarify	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
119.	Part II, Page-10	Section VI - Employers Requirement Section D - Construction, D 8.(6) Trees	Tree Cutting	We request that the employer shall obtain the tree cutting permission from the concerned authorities within one month from the submission of proposal for tree cutting	It is part of bidder's scope of work.
120.	Part II, Page-15	Section VI, Section B, Employer's requirements, Clause B 3 (1). Alignment	The alignment.....However, as a result of Contractors detailed topo survey,,,,, without any additional cost or Implication to the Employer...	We request that Contractor shall be compensated for Time and Cost Implication	Tender condition prevails.
121.	Part II, Page-19	GCC, Clause. 4.9,	Site Data Provided	It is not possible for the bidder to verify all the site data and sub soil conditions. The bid price will be based on the details and reports provided along with tender documents. Request Employer to own the responsibility of the documents like Geotechnical reports etc issued by the Employer himself.	Tender condition prevails.
122.	Part II, Page-19--20	Section VI, Section B, Employer's requirements, Clause B 15, Urban Planning Functional Requirements.	(1) ... The Contractor must therefore develop his layouts to suit the available land provided for Metro works. (2) Submissions for Planning approval for underground, ground and above ground Metro works are to be made by the Contractor to all Statutory bodies as applicable.....	We have presumed that the station layout is fixed by the Employer and all the Planning approval will be taken by the Employer. Please confirm	Please refer to ODS, Section S.04, clause 4.1.6 essentials are mentioned there and same shall be followed for design purpose
123.	Part II, Page-25	Section VI, Section B, ER, Clause B 17, Traffic Management.	The design shall provide for a minimum of two lanes in each direction.....	We request to consider one lane in each direction	Tender condition prevails.
124.	Part II, Page-30	Section-VI, Employers Requirement Section D -	(1) The Contractor shall be provided the site areas free of legal encumbrances to access, fencing and the undertaking of the Works. The Works shall include the	We request "MAHA Metro" to hand over the work area after dismantling of the buildings	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
		Construction, D18	demolition of all structures necessary for the construction of the stations, tunnels and ancillary structures required by the Contract Documents. The structures to be demolished include buildings, boundary walls, water sumps, water wells, bus stops etc. (2) The Contractor shall be responsible for obtaining the necessary permits and approvals for undertaking the demolition works. These will require the Contractor to undertake a structural inspection of all structures and prepare a demolition method statement. This report should detail the protective hoarding works required prior to the commencement of demolition, the sequence of demolition and any temporary strengthening/protective works required to be added to the structures during the demolition. The Contractor should pay particular attention to the demolition of cantilever structures.		
125.	Part II, Page-30	Section VI - ER, Section D - Construction, 18D	Demolition of Buildings especially budhwar peth and mandai	Considering the tight project schedule we request that the maha metro to demolish the building and hand over the levelled work area.	Tender condition prevails.
126.	Part II, Page-06	S.03- Section VII, ODS, Geotechnical, Bored and	The additional GI should result in investigation spacing no greater than 50	Can it be increased in densely populated area	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
		NATM Tunnels, Clause 3.2.2(9)	meter centers for the whole of the route		
127.	Part II, Page-21	Section-VII, ODS,S.04, Clause- 4.12.6	Platform slab	Please confirm whether Platform Slab can be designed for 2-hour fire resistance as the same is not critical for structural stability of the UG box structure of station.	Please refer to ODS, clause 2.6.2
128.	Part II, Page--23	Section VII, Clause-2.7.18	Loading Combinations Each component of the structure shall be designed and checked for all possible combinations of applied loads and forces. The load factors and load combinations for ultimate limit states are specified in the Tables 2.4 below and for serviceability IS 456 to be adopted, whereas each component of the structure shall be designed / checked for all possible combinations	It is understood the for all pertinent load combinations design shall be carried out in conformity with IS: 456. Please confirm.	Load combination and factors are mentioned in Contract, and the same shall be followed. For rest, IS/BS/Euro or any international code shall be applicable as per the order of precedence mentioned in Tender document.
129.	Part II , Page-24--25	Section VII, ODS,S.02-C&C Structure, Clause 2.9 , Design Ground water Levels	2.9 Design Groundwater Levels 2.91. General The Groundwater to be assumed in design for various stages or conditions shall be as follows: "Construction" - Groundwater level at measured maximum elevation plus 1.5 "Service/Operation" - Maximum Flooding level at 1 in 50 years plus 1.5m "Accidental" - Groundwater level at ground level "Extreme" - Maximum Flooding level at 1 in 50 years plus 2m	1. We request to consider Ground water level as the water table as per CWC data during last 20 years applicable to this area + 2 M. 2. We also request to provide Maximum Flooding level data for the last 50 years.	1. Tender condition prevails. 2. It is part of bidder's scope of work.
130.	Part II, Page-24--25	Section VII, ODS S.02-C&C S, Clause-2.9.1	Design Groundwater Levels General The groundwater levels to be assumed in design for various stages or conditions shall be as follows:.	What shall be the percentage of live load / imposed load under "Extreme" condition?	Tender conditions are self-explanatory.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			<p>"Construction" - groundwater level at measured maximum elevation plus 1.5m</p> <p>"Service/Operation" - Maximum flooding level at 1 in 50 years plus 1.0 m</p> <p>"Accidental" - groundwater level at ground level</p> <p>"Extreme" - Maximum flooding level at 1 in 50 years plus 2.0m</p>		
131.	Part II, Page-25	Section-VII, ODS,S.03 Clause- 3.5	Unless otherwise advised by the Engineer the bored tunnel alignment shall follow the alignment shown on the Tender Drawings. Any changes to the alignment, proposed by the Contractor or otherwise required, for whatever reasons, shall require Notice of No Objection from the Engineer and shall not entitle the Contractor for any Claim.	Kindly provide foundation details of buildings below which TBM Tunnel is passing along the alignment and provide Auto cad drawings.	It is part of bidder's scope of work. CAD drawings may be obtained from PMRP office for reference purpose only. However Tender drawings (PDF version) shall prevail.
132.	Part II, Page-11/111	Section-IX Tender drawings	Temporary Retaining system for Swargate station	Please confirm that Swargate station Temporary Retaining system including design will be interfaced with UGC-02 contractor related to TBM lowering, Crane surcharge, Gantry crane loads..etc.. Please confirm that UGC04 will remove the temporary retaining system including anchors if any etc.	Please Refer Corrigendum - S. No. 35
133.	Part II	Section IX Tender Drawings	Tender Drawings - Work area for Swargate Station - Dwg no PML1-IC-WA-SWG-0213	Please confirm that work area SSW-03 will be provided at the ground level of existing bus depot area and request to provide coordinates drawing.	Please refer corrigendum - S. No. 40 The area shown in Work Area Tender drawings will be handed over to Contractor in line with tender conditions in Appendix - 2A

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
134.	Part II	Section IX	All pertinent levels of the floors are mentioned	To comply with the strength requirement as well as serviceability requirement whether adjusting of levels of the floors are permitted to increase the thickness of the slabs?	Clearances given in architectural drawings are to be respected.
135.	Part II	Section IX	There shall be no columns in public area in between Grid 5 to 13	After ensuring requisite clearances, whether slab/s will be allowed between two end walls at available floor levels?	Tender condition prevails.
136.	Part II	Section IX	alignment drawing: shows 7 nos. of cross passage has been mentioned on the drawings	Can the contractor design the cross passage according to approved standard to reduce the quantity	Tender condition prevails.
137.	Part II	Section IX	Segment and geometry drawing: PML1-IC-RT-CP-0054, The segment sketch shown that 1 ring have 7 pieces segment.	Can the contractor design the segment by 6 pieces segment in 1 ring?	Yes.
138.	Part II,	Section-IX Tender drawings	PML1-IC-SWG-ARC-0262	We propose to have few columns between Grid. No -05 to 13 along Grid-A, Please confirm the allow ability	Tender condition prevails.
139.	Part II,	Section-IX Tender drawings PML1-IC-SWG-ARC-0262	property development by others	We request a detailed elaboration covering the scope of work UGC-02, preferably in the form of drawings	UGC-02 Contractor shall interface with designated contractor for any inputs on design/construction.
140.	Part II,	Section-IX Tender drawings PML1-IC-SWG-ARC-0262	subway by others	We request a detailed elaboration covering the scope of work UGC-02, preferably in the form of drawings	Complete details, design and drawings will be provided by Maha-Metro at the time of detailed design stage and during actual execution.
141.	Part II,	Section-IX Tender drawings PML1-IC-SWG-ARC-0262	property development by others	Please Confirm whether UGC-02 contractor needs to consider any design and construction load due to property development and elevated station and if so please provide design parameters.	Elevated station is not proposed near stations of UGC-02. UGC-02 Contractor shall interface with designated contractor for any inputs on design/construction.
142.	Part II,	Section-IX Tender	Property development by others	Please Provide the Construction sequences of the property development and elevated	Elevated station is not proposed near stations of UGC-02.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies									
		drawings PML1-IC-SWG- ARC-0262		station along with the date so as to foresee the interface planning on UGC-02contract.	UGC-02 Contractor shall interface with designated contractor for any inputs on design/construction.									
143.	Part III , Page-61	Section X , Clause 14.2.2.	The total advance for Plant & Machinery shall be limited to 6 % of the Contract Price	Request to Consider 10 % of the Contract Price	Please refer corrigendum - S. No. 24									
144.	Part III , Page-62	Section X , Clause 14.2.3	a. The recovery of the Mobilization and Plant and Machinery Advances shall each be made in 24 (Twenty four) equal instalments (once every month) commencing from Sixth month after the payment of advance.	We request to consider recovery commencing from 20 % of the RA Bill value to 80 % of R.A Bill value in proportionate to the Bill value	Please refer corrigendum - S. No. 22									
145.	Part III ,Page-43	CC & CF Section X - PCC,Clause-13	<table border="1"><tr><td colspan="3">13 Variations and Adjustments</td></tr><tr><td colspan="3">13.1 Right to Vary</td></tr><tr><td>13.1</td><td>13.1</td><td>Add to Sub Clause 13.1 documents</td></tr></table> <p>No Variation shall in any way vitiate or invalidate the Contract. The Contractor shall not make any alteration and/or modification of the Works, unless and until the Engineer instructs or gives consent to a Variation. If the Construction and/or Manufacture Documents or Works are not in accordance with the Contract, the rectification shall not constitute a Variation. Additional work, plant, material or services not related to the Permanent Works shall not be entitled to a Variation.</p>	13 Variations and Adjustments			13.1 Right to Vary			13.1	13.1	Add to Sub Clause 13.1 documents	Clause numbers 13.1 , 13.1 are inconsistent please clarify	Query is not clear. Tender condition prevails.
13 Variations and Adjustments														
13.1 Right to Vary														
13.1	13.1	Add to Sub Clause 13.1 documents												
146.	Part III ,Page-07	CC & CF Section X - PCC, Clause,2.1(b)	Replace 2.1(b) with: The cost of idle labour as per rate of	Apart from payment for Idle labour, request consider compensation for idle	Please refer corrigendum - S. No. 20									

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			daily wages subject to the assessment and approval of the Engineer.	resources like P & M , staff & other related expenses apart from extension of time	
147.	Part III ,Page-07	CC & CF Section X - PCC, Clause-2.6	Add a new Clause 2.6: The Employer shall be fully entitled without consent of the contractor to assign any part of work to any third party at the risk and cost of the contractor by giving 14 days' notice when the contractor is behind the schedule and causing undue delay.	Contractor under the concern. But the Contractor shall be given Sufficient to make the delays caused by them. Further please provide what is the maximum time period of delay is considered to term " behind Schedule "	Tender condition prevails.
148.	Part III ,Page-28	CC & CF Section X - PCC, Clause-6.11.1	Add to sub clause 6.11 : 6.11.1: In case, deployment of a Special Police Force becomes necessary at or near Site, during the tenure of Works, the expenses for the same shall be borne by the Contractor.	In case of special police force requirement is due to reasons not attributable to the Contractor , then the expenses shall be borne by the Employer	Tender condition prevails
149.	Part III, Page-36	CC & CF Section X - PCC,Clause-8.4.1 (e)	8.4.1 Extension of Time e. Any delay, impediment or prevention caused by or attributor to the Employer.	Is this attributor to the Employer means "Government Authorities	Tender condition prevails
150.	Part III, Page 39&40	CC & CF, Section X - PCC, Clause-11.1	Add to sub clause 11.1 : Defects Liability Period” shall mean the defects liability period calculated from the date of taking over of whole of the Works and not any sub-section or part thereof. Provided that, if any part of the Works or sub-systems or component of that part has been replaced, renewed or repaired, the “Defects Liability Period” in respect of that part or sub-system or components of that part shall start from the date of such replacement, renewal	We request to consider taking of works in sections and define the sections. Accordingly the Defects liability period shall start from the date of Taking over	Tender condition prevails

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			or repair has been completed to the satisfaction of the Engineer.		
151.	Part III ,Page 41	CC & CF Section X - PCC,Clause- 12.3 (d)	d) Variation in the quantity of items individually costing upto 1% of the total contract value , shall be payable at the rates stated in the Contract notwithstanding the magnitude of variation upto 2% of the original Contract Value for each item.	Variation in the quantity of items individually costing upto 0.5% of the total contract value , shall be payable at the rates stated in the Contract notwithstanding the magnitude of variation upto 1 of the original Contract Value for each item.	Tender condition prevails
152.	Part III, Pages.57-58	CC&CF, Section X- ,PCC,Clause- 14.1(g)	The Contractor shall be solely responsible to find out and ascertain whether their supplies for Maha-Metro Rail Project will qualify and be eligible for the Concession duty benefits under Chapter 98.01 of custom Tariff Act for project Imports & shall manage the Custom Duty applicability and inclusion in their quoted price accordingly.....	We request to Maha Metro to provide whether this project is eligible for concession duty ...	Pune Metro Rail Project is covered under Project Import Chapter of custom tariff act to avail benefits of concessional customs duty. However these benefits are available only to the Employer.
153.	Part III, Page- 36	CC&CF, Section X- ,PCC,Clause- 8.3.5	Three Month Rolling Programme Within 30 days of the date of Notice to Proceed, and thereafter at the end of each calendar month, the Contractor shall submit to the Engineer his Three Month Rolling Programme for each agreed major section of Works in the Contract, in the form and detail prescribed in the Employer's Requirements, setting out the work to be carried out during the following three months.	Too short time (Within 30 days) to prepare exhaustive programme, Shall be changed as 6 weeks.	Please refer corrigendum - S. No. 15
154.	Part III, Page- 38	CC&CF, Section X-	Delay Damages Add to Clause 8.7: Liquidated damages shall be levied as	1) Kindly confirm, whether the delay damages imposed against non-achieving of a particular KD, will be released upon	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
		,PCC,Clause-8.7	per the rate given in Appendix of Employer's Requirement for delays caused to KD's. The total amount of Liquidated Damages and penalties on all Key Dates summed up including KD related to taking over on completion of entire work shall not exceed 10% of the total Contract Value.	Contractor achieve progress in the subsequent KD. 2) We request to limit the LD to 5% of Contract Value	
155.	Part III, Page-29-30	CC&CF, Section X - PCC, Clause-7.11 & 7.12	Integrated testing and system commissioning(New Clause)	To what extent is the Contractor's participation in Integrated Testing? Is the Contractor entitle for compensable EOT if integrated testing delay is attributed to non-compliance performance of equipment/subsystem/system provided by others?	Tender clause is self-explanatory. Tender condition prevails.
156.	Part III,Page-26	CC&CF, Section X - PCC, Clause-5.9 Last Sentence	The Employer reserves the right to use other software on or in connection with the Works.	In the event that the Employer uses other software, at whose costs shall purchase and integration for compatibility of the software be?	Tender condition prevails.
157.	Part III,Page-29	CC&CF, Section X - PCC, Clause-7.10 New Clause	If any such part or parts have been covered up, or put out of view after compliance with the requirement of Sub-clause 7.4 and the Works are found to be executed in accordance with the Contract, the expenses of uncovering, making openings in or through, reinstating and making good the same, costs shall be borne by the Contractor.	Does this Clause implies that for Works or part of the Works that had been approved for cover up by the Engineer and need to be uncovered by the Engineer/Employer, the cost of uncovering and making good shall be borne by the Contractor?	Tender condition prevails.
158.	Part III,Page-38	CC&CF, Section X - PCC,Clause-8.4.2	Any extension to a Key Date shall not by itself entitle the Contractor to an extension to any other Key Date and the Time for Completion	In the event that an extension to a Key Date that was granted is a pre-requisite or effect the event of another Key Date and/or the Time of Completion, will	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				relevant compensable EOT be granted for the latter?	
159.	Part III, Page-42	CC& CF, Section X - PCC, Clause-12.3 A. ii) e) vi. Sentence immediately following	In all cases where extra items of work are involved, for which there are no rates in the accepted Bill of Quantities the Contractor shall give a notice to the Engineer, of at least 7 days before the need for their execution arises. In the event of disagreement in respect of items (f) and (g) above, the Engineer shall notify the contractor accordingly, with a copy to the Employer.	There is no item (f) and (g) above. Please rectify sentence.	Please refer corrigendum - S. No. 78
160.	Part III,Page-4	CC & CF, Section X - PCC, Clause-1.1.3.18, Add a new Sub-Clause	"Milestone Certificate" Means the certificate to be issued by the Engineer/Employer in relation to the achievement or otherwise of Milestones.	What are the significance and implication for issuing Milestone Certificates?	Tender clause is self-explanatory. Tender condition prevails.
161.	Part III,Page-4	CC& CF, Section X - PCC, Clause-1.1.6.10	Adverse Climatic Conditions "Climatic Conditions" are defined as follow: Rainfall: Moderate Winter: Moderate Summer: Moderate Experienced moderate and low intensity earthquakes historically (Seismic Zone III).	Are the "climatic conditions" as defined in this Clause considered as adverse?	Tender clause is self-explanatory. Tender condition prevails.
162.	Part III, Page-48--56	CC & CF, Section-X,PCC, Clause -13.8	Escalation (Price Variation)	We request to consider indices similar to DMRC works (Especially CPWD indices for Cement and Steel) or WPI indices similar to other package of Pune Metro works instead of RBI Indices. We are enclosing here with (Appendix 1a) page 1 of Corrigendum1 (NMRCL Elevated station tender) containing name of Project	Please refer corrigendum - S. No. 19

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				as well as page no 32(Appendix 1b) , where in vide S.No 105 Price variation for reinforcement as per Employers requirement is mentioned as CPWD indices and similarly vide S.No 106 the price Variation for Fuel as per Employers requirement is mentioned as WPI indices Hence as requested please Consider CPWD indices for Cement and Steel as well as WPI indices for other components	
163.	Part III, Page-69	CC & CF ,Section X - PCC,Clause-20.6 (a)	For this purpose the Employer shall maintain a panel of Arbitrators with the requisite qualifications and professional experience relevant to the field to which the Claims relate. In case of a Sole Arbitrator, the Panel will be of three Arbitrators, out of which the Contractor will choose one.	Can the Contractor be allowed to nominate an Arbitrator on his own accord and not from the Employer's Panel?	Tender condition prevails.
164.	Part IV, Page-3--37	Reference Documents, Section XIII - Geotechnical Report	Geotechnical Report	Please provide water table details of each locations, which is not available in detailed manner	The documents provided are for reference only, Requirement of detailed information if any shall be collected by the bidder from concerned departments.
165.	Part IV, Page-3--37	Reference Documents, Section XIII - GT Report	Geotechnical Report	Please Provide "Geotechnical Factual Report" including lab test report	Please refer corrigendum - S. No. 41
166.	Part IV, Section XIII, GIR. Page- 16	Clause 7.2	Water level observations during drilling of Boreholes in the GI indicate ground water table is observed at depth between 2.5 to 6 M from the Ground level	Further to our Pre bid query, we once again request to provide each borehole detail along with Water table level as well as consolidated GFR. From the Pre bid meeting discussions and our Site Visit, we understand that water table is close to invert level whereas as per this clause, the water table indicated is 2.5 to 6 m below from Ground level. Please clarify	Please refer corrigendum - S. No. 41 & 42

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
167.	General		Submission of Tender	Kindly extent date of submission of by 8 weeks i.e. 25.09.2018 considering huge amount of NATM works	Please refer respective corrigendum
168.	General	General	General	In order to facilitate the constructional water requirements, it is requested to allow bore well within the purview of the work area	No bore wells are allowed in work area
169.	Part-1, NIT	Period Of Completion (Weeks)	182 Weeks	While going through the bid scope, sequence of construction, interface with other packages and geotechnical conditions at site, this type of projects normally requires minimum 5 years for construction. So, we request you to increase the duration to 260 Weeks.	Tender condition prevails.
170.	Part 1, NIT	Last date of submission of queries for Pre-Bid by the bidder	Up to 11.00 Hrs. on 26.06.2018 as per format in bid documents	Request you to extend the last date of submission of Pre-Bid queries by 3 weeks.	Please refer respective corrigendum
171.	Part-1, NIT	Date & Time of submission of Tender	Online submission up till 16.00 Hrs. on 26.07.2018 in Maha-Metro's e-tender portal.	Request to Kindly extend the bid submission date by minimum 6 weeks, as less time is available for design of Civil structures, seeking quotation from specialized contractors for Architecture & MEP works, TBM suppliers and other. Also we draw your attention that this project has more complications and site constrains.	Please refer respective corrigendum
172.	Part-1, NIT & Bid data sheet	Tender Notice No	NIT : P1UGC-02/2018 Bid data sheet ITB 1.1 : P1UG-02/2018	There is a discrepancy between NIT and Bid data sheet in the Tender Notice No. In NIT mentioned as P1UGC-02/2018 and in the Bid data sheet mentioned as P1UG-02/2018. Which one we have to follow as tender notice no or IFB No for tender submission purpose. Please clarify.	P1UGC-02/2018 can be followed.

Sl. No	Volume No	Clause No	Bid Condition		Bidder's Queries	Responses / Replies								
173.	Part-1, Section III, Eligibility & Qualification Criteria, Page 23	Key Personnel	<table><tr><td>Position</td><td>Total Nos</td></tr><tr><td>Deputy Project Manager</td><td>5 Nos</td></tr></table>		Position	Total Nos	Deputy Project Manager	5 Nos	<p>We feel that the deployment of 5 no. of Deputy project Manager are on the higher side. Request to reduce the numbers.</p> <table><tr><td>Position</td><td>Minimum Nos Required</td></tr><tr><td>Deputy Project Manager</td><td>2 Nos</td></tr></table>	Position	Minimum Nos Required	Deputy Project Manager	2 Nos	Tender condition prevails
Position	Total Nos													
Deputy Project Manager	5 Nos													
Position	Minimum Nos Required													
Deputy Project Manager	2 Nos													
174.	Part-1, Section III, EQC, Page 18	Detailed Design Consultant (DDC)	Whole Clause		We understand that Contractor has to propose minimum two DDC's at the tender stage. These list of DDC may be same for both the packages. Please confirm.	Understanding is correct.								
175.	Part-1, Section III, Eligibility & Qualification Criteria, Page 18	Detailed Design Consultant (DDC)	Whole Clause		We understand that after the award of the contract by the Employer to the successful bidder, the contractor will send the proposal of appointment of DDC to Employer for his concurrence and approval from the list as proposed during tender stage. The Engineer will give his consent. Please confirm.	Tender clause is self-explanatory								
176.	Part 1, Section III B, Page 10	Qualification details and criteria, Clause 4.2a, Point a1Post evaluation, if the bidder is L1 for both the packages (UGC-01 and UGC-02), the bidder during last five (5) years (Since 1st Jan 2013) should have carried out design and construction of tunnel by TBM shield (EPB/Slurry) method for length of at least 8000 meters of 5 meter minimum finished diameter in Single contract in Urban area.		<p>Request you to consider change in the Pre-Qualification criteria for combined package as:</p> <p>....construction of tunnel by TBM shield (EPB/Slurry) method for length of at least 6000 meters of 5 meter minimum finished diameter in Single contract in Urban area.</p> <p>Also please clarify whether Contractor has to submit the Qualification criteria as per this clause in Package P1UGC-01/2018 as combined or to be submitted in both the packages.</p>	Please refer corrigendum - S. No. 1 & 82								
177.	Part-1, Section III, Eligibility & Qualification	Key Personnel	<table><tr><td>Designation</td><td>Qualification</td></tr></table>	Designation	Qualification	<table><tr><td>Designation</td><td>Qualification</td></tr></table>	Designation	Qualification	<p>Request to change the Clause as follows:</p> <table><tr><td>Designation</td><td>Qualification</td></tr></table>	Designation	Qualification	Please refer corrigendum.		
Designation	Qualification													
Designation	Qualification													
Designation	Qualification													

Sl. No	Volume No	Clause No	Bid Condition		Bidder's Queries		Responses / Replies
	Criteria, Page 23		Project Manager cum Team leader	BE/Btech in Civil Engg	Project Manager cum Team leader	Graduate / Diploma in Civil Engg	
			Deputy Project Manager	BE/Btech in Civil Engg	Deputy Project Manager	Graduate / Diploma in Civil Engg	
			Tunneling Expert	BE/Btech in Civil/ Mechanical Engg	Tunneling Expert	Graduate / Diploma in Civil/ Mechanical Engg	
			Chief Interface Coordinator	BE/Btech in Civil/ Electrical/ Mechanical Engg	Chief Interface Coordinator	Graduate / Diploma in Civil/ Electrical/ Mechanical Engg	
			Chief Quality Assurance & Control Manager	BE/Btech in Civil Engg	Chief Quality Assurance & Control Manager	Graduate / Diploma in Civil Engg	
			Chief Safety Expert	BE/Btech in Civil/ Electrical/ Mechanical Engg	Chief Safety Expert	Graduate / Diploma in Civil/ Electrical/ Mechanical Engg	
			Geotechnical Expert	Msc (Geology) / BE/ B tech in Civil Engg	Geotechnical Expert	Msc (Geology) / Graduate / Diploma in Civil Engg	
			Geotechnical Engineer	BE/Btech in Civil Engg	Geotechnical Engineer	Graduate / Diploma in Civil Engg	
			Planning Manager	BE/Btech in Civil Engg/ Construction Management	Planning Manager	Graduate / Diploma in Civil Engg/ Construction Management	
			Engineering Manager	BE/Btech in Civil Engg	Engineering Manager	Graduate / Diploma in Civil Engg	
			E&M Project Manager	BE/Btech in Engg	E&M Project Manager	Graduate / Diploma in Engg	
178.	Part1 - Bidding Procedures Section III - EQC and Part2 - Section VI - ER	Clause 7, Key Personnel and Clause A15 (8),	(xii) Lead Design Consultant & Lead Design Checker: and (viii) Engineering Manager (Lead Designer and Technical Support).		We understand that these positions are individual team member to be appointed by Contractor. Please clarify. Please also clarify that any individual, in house staff having necessary qualification		Please refer corrigendum - S. No. 4 & S. No. 5

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	Section A - General		(ix) Engineering Manager (Lead Design Checker).	as per tender requirement can be considered for said positions.	
179.	Part-1, Section III, Eligibility & Qualification Criteria, Page 24	Key Personnel - Notes Points 2 & 3	<p>2. The successful bidder has to deploy the same key personnel (within 100 days of commencement date) as indicated in the bid submittal failing which penalty of INR 0.10 Million / week / position will be imposed.</p> <p>3. The proposed Key personnel are not to be changed till the completion of the work. Under exceptional circumstances, in case they are required to be changed, the replacement should have similar or better experience and qualification than as required above. These changes are permitted only with the approval of the Employer.</p>	We request for modification in the clause for deployment of the Key personals as per the minimum level of qualification/ experience shown in tender documents instead of deployment of the same personnel's as submitted during the tender time. It may be noted that the concern staff may or may not be available with the company during the award. This is normal practice for similar kind of bids/projects followed by other clients like DMRC, CMRL & MMRC. Request for consider.	Tender condition prevails
180.	Part-1, Section IV a, Bidding forms, Page 10	Appendix to bid, Contract Data, S. No 14	The Employer shall give the Contractor right to access to the Site upon submission of evidence that the insurances specified in Particular Conditions have been effected. Access to site will be given in a progressive manner within a week's time of issue of LOA. The last stretch of site will be given within 12 months of LOA.	<p>Kindly provide the ROW handing over Schedule so that contractor's will plan & submit the works programme as per key dates in better way.</p> <p>We understand that all the site will be available within week time from the date of LOA.</p> <p>Please confirm.</p> <p>The clause also mentions that last stretch will be provided within 12 months of LOA, which is contradictory. Please clarify.</p>	Tender condition prevails.
181.	Part-1, Bidding Procedures, Section IV a - Bidding Forms, Page 22	4.4 Bidder's Technical Submissions	<p>4.18 Area flood lighting and building interior lighting system</p> <p>4.19 lightning protection system</p> <p>4.20 Details of conductors, earthing arrangements, terminal clamps and</p>	As bidder was provided with MEP BOQ to quote kindly, clarify why the bidder has to submit the layouts during technical submittals.	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			other system components and the specifications to which they conform.		
182.	Part-1, Section IV a, Bidding forms, Page 23	5.3 Statement of Compliance	A joint statement from the Bidder and the proposed Designers is required to be furnished to the effect that the Contractor's Technical Proposals comply with the Employer's Requirements and can be developed to become the Definitive Design of the Permanent Works without significant change other than amplification.	We understand that a joint statement of compliance of the bidder & proposed Designers need to be submitted to the effect that the contractor technical proposals comply with the Employer requirement. However as per Section III B, Qualifications details and criteria, notes for the application, point no. 1 page 22 mentions that it is not necessary for the DDC & Sub contractors to be jointly and severally bound with the application, please confirm that all the statements including 'Statement of compliance' can be signed by bidder/applicant.	A joint statement of compliance of the bidder & proposed Designers need to be submitted to the effect that the contractor's technical proposals comply with the Employer requirement.
183.	Part-1, Bidding Procedures, Section IV a	Form of Legal Capacity / Power of Attorney	Format for Board Resolution	We understand that listed company can submit available Board Resolution as specific format for Board Resolution project wise is not possible for public limited company like ours. Copy of our Board Resolution is attached. Please clarify.	Bidder's request can be accepted subject to following conditions: 1. An undertaking from the Company Secretary of the company that this board resolution stands good on current date and has not been superseded by any other resolution. 2. The tender signing authority shall however be not below Joint General Manager and shall be accompanied by a delegation letter from one of the attorneys mentioned in the resolution.

Sl. No	Volume No	Clause No	Bid Condition		Bidder's Queries	Responses / Replies
184.	Part-1, Bidding Procedures, Section IV a	Appendix to Bid, Contract Data, Defects Notification Period	104 weeks from the date of issue of Taking over certificate for the whole of the works.		Kindly reduce duration of defects notification period from 104 weeks to 52 weeks.	Tender condition prevails.
185.	Part 1 - Bidding Procedures Section IV b - Pricing Document	DETAILED ITEMWISE AND GROUPWISE SCHEDULE	- General -		Signage quantity and specifications have not been included. Clarify type of signage and signage system that is to be followed.	Signage designs will be provided by Employer during detailed design stage.
186.	PART I - BIDDING PROCEDURES Section IV b - Pricing Schedule and Financial Bid	PART I - BIDDING PROCEDURES Section IV b - Pricing Schedule and Financial Bid	12	FIRE RATED CEILING AND BULKHEAD	Two different materials have been specified for the false ceiling in Public Areas in different parts of the tender document. Clarify which one is to be followed.	Complete details, design and drawings will be provided by Maha-Metro at the time of detailed design stage and during actual execution
			B.2.	Providing and fixing of Grade 3003 Aluminium coil coated perforated metal silhouette false ceiling system using the grids of USG or CMC from their US plant or equivalent and tiles from USG/ CMC/Armstrong/Hunter Douglas or equivalent		
187.	PART I - BIDDING PROCEDURES Section IV b - Pricing Schedule and Financial Bid	PART I - BIDDING PROCEDURES Section IV b - Pricing Schedule and Financial Bid	9. A	STAINLESS STEEL RAILING	Two different heights have been specified for the SS Handrail. Clarify which one is to be followed.	The rates for the required item shall be quoted by Contractor in pricing schedule. Whereas, design will be provided by Employer during detailed design stage.
			2.	Supplying, fabricating, MATTE FINISH, erection of 1100mm high SS hand railing		
188.	PART I - BIDDING PROCEDURES Section IV b - Pricing Schedule and Financial Bid	PART I - BIDDING PROCEDURES Section IV b - Pricing Schedule and Financial Bid	16	SPECIAL ITEMS	Baffle Ceiling have not been specified for any areas in Attachment-B - Minimum Station Accommodation And Finishing- Underground Stations And Elevated Station (Section VII - Outline A Design Specifications S.04 Station Architectural Works). Clarify.	The rates for the required item shall be quoted by Contractor in pricing schedule. Whereas, design will be provided by Employer during detailed design stage.
			1.	Providing & installation of approved quality vertical linear baffle ceiling made out of folded Aluminium.		

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
189.	Part 1 - Bidding Procedures Section IV a - Bidding Forms	4.21 - Requirements for Bidder's Technical Proposals	f. Details of potential advertising areas.	Clarify what type of advertising panels are required (illuminated/concealed/ digital etc.) Also clarify the preferred areas (street/ concourse/ platform for locating these panels.	Location for advertising panel will be shared by Employer and advertising panels will be provided by advertising agency. However during detailed design stage Contractor will be required to provide power to the advertising panels.
190.	Part-1, Section IV b	Price Centre N.	Utility Diversion payment	We understand that utility diversion has to be done by utility owning agencies as per the current rate under Price Centre N. The various rates payable to those sub-contractors would be as per PWD circle, Maharashtra PWD and CPWD schedules in the order as mentioned. In case the rates are more than above rates, contractor would be also paid actual. We request to add minimum 20% as contractor overhead over and above these rates to be paid to contractor.	Tender condition prevails
191.	Part 1 - Bidding Procedures Section IV a - Bidding Forms	Clause 4.1,	4.21 Provide the following in connection with the Station Architectural Layout for each station e. Details of Environmental control system and ventilation system layout at platform level and concourse level.	As per clause B8 and C2, (2) of Section VI - Employers Requirement, Tunnel Ventilation, Environmental Control System, Lift, Escalator, Air-conditioning and Ventilation is not the part of Contractor Scope. With above, we understand that said "e. Details of Environmental control system and ventilation system layout at platform level and concourse level." Submittal in technical proposal shall not be required to be submitted. Please clarify.	Bidder need not submit ECS & Ventilation layout of stations.
192.	Part 1 - Bidding Procedures	Price Center K, L & M	Electrical & Mechanical works	The following item in Fire Fighting System are missing:	Please refer updated BOQ in Corrigendum - Annexure 10

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	Section IV b - Pricing Document			Fire Extinguisher 25 kg Dry type. Fire Extinguisher 22.5 kg CO2 type. Thermal imaging camera. Magnetic flow metre. Kindly Clarify.	
193.	Part 1 - Bidding Procedures Section IV b - Pricing Document	Price Center K, L & M	Electrical & Mechanical works	The following item in Plumbing & Drainage System are missing: All sanitary fixture. Puddle flange Tube well/ Borewell Rain Water Harvesting system. Kindly Clarify.	Please refer updated BOQ in Corrigendum - Annexure 10
194.	Part-1, Section IV b	Price Centre K: Part-C, S.No:3, Price Centre L: Part-C, S.No:3 & Price Centre M: Part-C, S.No:3	All items / parts mentioned in relevant clauses of the Plumbing drainage and water supply specifications and not specifically mentioned in the BOQ shall be deemed to be included in the quoted rates, unless specifically excluded	Request the client to specify the items not specifically mentioned but to be included in the quoted rates to provide an equal basis for bidding to all contractors. Hence do share the updated BOQ considering the items mentioned in the specification but missing in the BOQ provided.	Please refer updated BOQ in Corrigendum - Annexure 10
195.	Part 1, Section IV b	Price Centre K: Part-C, Price Centre L: Part-C, & Price Centre M: Part-C, Part B - (F.12.2)	Providing and fixing Heavy Duty galvanized steel pipes, embedded in earth shall be conforming to specifications with all fittings like couplings, bends, elbows, tees, flanges, CAF gaskets etc. including welding as required. This also includes necessary excavation in all kinds of soil up to the required depth and providing 150 mm thick sand layer all around the pipes, refilling, ramming, removal and disposal of surplus earth complete in all respects as per the specifications. This further includes provision of corrosion protection by wrapping two layers of	Request client to confirm whether bidder can use Ductile Iron class K 12 for the underground pipes or should go with heavy duty galvanized steel pipes	Yes, Ductile Iron class K 12 shall be used. Please refer corrigendum - S. No. 52

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			400 microns thick polythene sheet over two coats of bitumen.		
196.	Part 1, Section IV b	Price Centre K: Part-C, Price Centre L: Part-C, & Price Centre M: Part-C Part B - (F.16.2) & (F.16.3)	Providing and fixing portable fire extinguisher, dry powder type (gas cartridge) with cylinder initially fully charged with dry powder (ABC type) of 6 Kg, complete with standard discharge valve with tube, CI bracket for wall mounting etc. conforming to relevant standard IS 15683 : 2006)	As per Section VII - ODS, S.05- E&M Works - Station Utilities, clause 5.7.2, it is mentioned that portable fire extinguishers in all stations in compliance with relevant BS EN codes and Regulations. Bidder request client to confirm whether to use IS standards or BS standards.	Selection of type fire extinguishers shall confirm to BS 5306 & Material/ equipments shall confirm to Indian standards
197.	Part 2 -ER	Appendix-2B	Contract Key Dates-Tunnel KD-7A, 7B, 8A & 8B	Request to keep start of TBM Tunneling (KD-5 & KD-6) & End of Tunneling (KD-9) as a Key date. Please delete Key Dates KD-7A, 7B, 8A & 8B.	Please refer corrigendum - S. No. 33
198.	Part 2 -ER	Appendix-2B	Contract Key Dates-Tunnel KD-5 & KD-6 :Assembling and Start of Initial drive for TBM-1 & TBM-2	Please Provide the TBM Launching Shaft Size (Clear Dimensions) available for working in order to Plan & Schedule the TBM activities.	Tender condition prevails.
199.	Part 2 - Section VI - Employers Requirement Section C - Design	C5.1 PRELIMINARY DESIGN SUBMISSION		In list of preliminary design submission there are 26 nos. (a to z) deliverables. Kindly confirm these only these deliverables to be submitted as preliminary design submission.	The list given is a reference list, and the clause in Tender document is self-explanatory
200.	Part 2 - Section VI - Employers Requirement Section C - Design	C1 INTRODUCTIO N	(3) The Contractor shall engage the Lead Detailed Designer who shall undertake and prepare the design of the Permanent Works and Temporary Works. The Contractor shall establish an office for his lead design team near the Site area in Pune. The lead design team shall function from this office and all meetings and discussions relating to design shall be held in this office. And	Please clarify the terms Lead Detailed Designer and Lead Designer and difference in both the terms.	Please refer ER, Section VI, Section A, Clause A2 - Definitions and interpretations. Also refer corrigendum - S. No. 5

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			(8) The Contractor shall ensure that, as all designs being complex structures and having the potential to affect the safety, quality and durability of the Permanent Works, the Lead Designer shall approve in advance the Contractor's proposed materials and erection and removal procedures and the lead designer shall inspect all temporary works at Site before they are put into use.		
201.	Part 2 - Section VI - Employers Requirement Section C - Design	C7 DESIGN SUBMISSIONS - CONSTRUCTION PHASE	(2) Prior to submission of the proposed Working Drawings, the Contractor shall endorse the appropriate original paper drawings as "Good for Construction". If the Engineer so requires, the endorsed original shall be submitted to the Engineer who shall, if he has no objection to the contents of the submission, further endorse the original by stating that he has no objection to the proposed Working Drawings. On the endorsement by the Engineer, the original will forthwith be returned to the Contractor as the Working Drawings.	<p>We understand that approved CRD shall be endorsed by contractor as "Good for Construction" and shall be submitted to Engineer, if required. Please confirm.</p> <p>Please clarify Design submission procedure also:</p> <p>Definitive Design shall be submitted along with definitive drawings and upon approval of definitive drawings CRD shall be submitted for approval and further construction. No formal approval of Good for Construction is required.</p> <p>Or</p> <p>Definitive Design shall be submitted along with CRD and upon approval of CRD, GFC shall be submitted for approval and further construction.</p>	Design and drawings submission procedure will be clarified by Engineer during Detailed design Stage.
202.	Part 2 - Section VI - Employers Requirement Section C - Design	C8 DESIGN SUBMISSIONS - ASSESSMENT PROCEDURES	(1) Submissions of Design Data shall be made and assessed by the Engineer within 28 days of the date of submission, or as otherwise stated in Section VII. The form and detail of the	We understand 28 days period defined for entire review/assessment process for any design/drawing. Kindly confirm.	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			assessment shall be as determined by the Engineer and will not release or remove the Contractor's responsibility for the design under the contract.	Also as per programme, if the above review period need to be squeezed, same will be done to meet the Contractor programme.	
203.	Part 2 - Section VI - Employers Requirement Section A - General	ATTACHMENT A1		We propose to reduce number of copies to be minimized during design review process and upon issue of no objection from Engineer. We proposed 2 to be submitted to submitted along with electronic copies.	Tender condition prevails.
204.	Part 2 - Section VI - Employers Requirement Appendix 7 - Drafting and CAD Standard	1. INTRODUCTION	(1) The purpose of this document is to define the minimum Drafting and CAD standard to be achieved by the Contractor for all drawings produced by the Contractor for the purpose of the Works. The Contractor shall produce and obtain the Engineer's Notice of No Objection to a CAD Manual which defines the standards and procedures for producing drawings. This will be co-ordinated with the CAD Manuals produced by the Interfacing Contractors.	We understand that during execution of design, Contractor's DDC shall propose CAD manual for templates and drawing/document numbering standards, and the same shall be approved by Engineer. If not, the same shall be provided by Maha-Metro/Engineer during initial stage of design development. Please clarify as changes in template/number system at later stage hampers the control of tracking and document/drawing management.	ER, Appendix -7 is the CAD manual to be followed for Project. Whereas, during design stage if found necessary the changes can be accommodated with Engineer's approval.
205.	Part 2 - Section VII - ODS S.02- Cut & Cover Structure	Clause 2.9.2		Kindly provide skin friction value to be considered between concrete surface and soil/adjacent ground	Tender conditions Prevail.
206.	Part 2 - Section VII - ODS S.02- Cut & Cover Structure	Clause 2.10.2		Kindly provide minimum factor of safety for conventional approach based on active and passive pressures	Tender conditions are self-explanatory.
207.	Part 2 - Section VII - ODS S.03- Geotechnical,	Clause 3.3.3		The PPVs provided in Section 3.3.3 and in Tender drawings for Instrumentation (PML1-IC-GA-IM-0062) are in conflict.	The table given in drawing is for building with occupants. So

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	Bored and NATM Tunnels			Kindly clarify which values are to be followed.	both shall be followed as per site conditions.
208.	Part 2 - Section VII - ODS S.03-Geotechnical, Bored and NATM Tunnels	Clause 3.3.5	(14) Radial pressure cells shall be used for measuring the development of ground pressure acting on the tunnel lining. They shall be of size 300 x 300 mm and regrettable. Readings shall be taken in a remote-controlled manner with electrical transducers.	Kindly clarify that 'tunnel lining' in Section 3.3.5. (14) refers to NATM tunnel or TBM tunnel.	Applicable for both NATM and TBM tunnels.
209.	Part 2 - Section VII - Outline Design Specifications S.03-Geotechnical, Bored and NATM Tunnels	Clause 3.3.6	(3) The serviceability limit value for a monitored element/parameter shall be the lesser of: a) calculated design value for the serviceability limit, including stresses and displacement/movement of geotechnical, bored tunnel and NATM tunnel works;	Serviceability limits for trigger values is to be the minimum of the mentioned cases. First case (Case a) in particular is based on calculated design valued for displacements, which is expected to be very low in provided geology (~2mm). Hence, this would be governing for trigger values. Although, defining the trigger values of 2mm for Alarm level and respective Alert and action levels would be impractical to measure during construction. It is requested to kindly review the approach for defining review levels with consideration to the geology in Pune. As a suggestion g we can define trigger values based on limiting damage to buildings/services in influence zone within the requirements of Contract.	Tender condition prevails. Specific conditions shall be dealt case by case during detailed design stage, and will subject to approval by Engineer.
210.	Part 2 - Section VII - Outline Design Specifications S.03-Geotechnical, Bored and NATM Tunnels	3.4.1 General	(1) The Contractor shall be responsible for the control of all ground movements and distortions and for any resulting damage to EBS. During the Preliminary Design phase, the Contractor shall investigate all EBS that may be influenced by the Works and establish allowable movement and distortion	As per clause D (9), Section VI - Employers Requirement Section D - Construction, it is mentioned "Prior to commencing any work within the zone of influence measured 50m from center line of twin tunnel and twice the depth of cut & cover excavation from the periphery of permanent wall structure, the Contractor shall complete a pre-	ER clause D (9) shall be followed. Influence zone beyond the 50m as mentioned in above clause shall be based on settlement analysis.

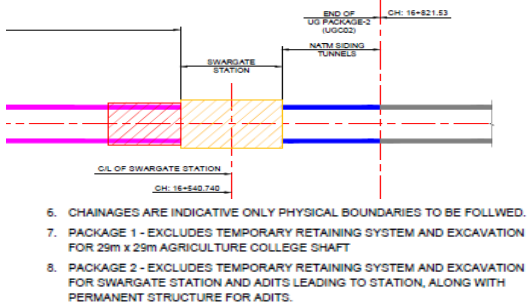
Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			criteria for each individual or group of EBS. The Contractor's EBS study shall extend to a certain distance beyond the potential influence zone (Refer Employers Requirement - Construction, Section D (9)) on each side of the tunnel alignment centreline and also to a certain distance beyond the potential influence zone on each side of the station alignment centreline. The respective influence zones and the distances beyond these influence zones, where EBS study shall have to be conducted by the Contractor, shall be proposed by the Contractor with the required backup details during the Preliminary Design Phase for the acceptance of the Engineer.	<p>construction survey to identify and record any existing defects in the building structure and fabric."</p> <p>Please clarify Building Condition Survey shall be done 50m from center line of each tunnel or from the center line of two tunnels (Alignment center line).</p> <p>As per referred clause 3.4.1, EBS Study shall be conducted till a certain distance beyond potential zone of influence. In case zone of influence will be more or less than 50m as mentioned in clause D (9), Section VI - Employers Requirement Section D - Construction, which distance shall be considered for Building Condition Survey? Also, please clarify the certain distance beyond the potential zone of influence mentioned in said clause.</p> <p>We understand zone of influence shall be derived by settlement analysis. Please confirm.</p>	
211.	Part 2 - Section VII - Outline Design Specifications S.03- Geotechnical, Bored and NATM Tunnels	Clause 3.5.3	(16) The Contractor shall determine the configuration of rings, segmentation, and details of joints, fixings and the like to suit ground conditions, loadings, methods of construction and all functions in the completed Works as described herein. The design shall address aspects including the following, as appropriate.	Clause states that configuration of the ring can be changed by the Contractor. Whereas in Tender drawings (PML1-IC-RT-CP-0054) configuration of 6+1 segment is shown. Kindly clarify.	Yes. Configuration of the ring can be changed by the Contractor, and will be subject to Engineer's approval.
212.	Part 2 - Section VII - Outline Design Specifications	Clause 3.5.4	(1) The design method shall consider in-situ ground stresses and shall provide evidence and/or measurements in support of the parameters adopted in the	As this the clause that "lower bound horizontal earth pressure coefficient" shall be used. Kindly clarify definition of 'lower bound' i.e. according to which approach.	It is under Bidder's scope of work. Lower bound values to be proposed and justified by

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	S.03- Geotechnical, Bored and NATM Tunnels		design as part of the calculations. The ground load on the tunnel shall be based on the actual height of overburden above the tunnel lining. The coefficient of earth pressure at rest of the soil strata surrounding the tunnel and the rock loading shall be as worked out from the geotechnical/rock-mechanics engineering principles. The effect of over-consolidation of ground shall not be considered in the design of final ground support of tunnel. Distortional loading due to out of balance vertical and horizontal earth pressure shall be based on a lower bound horizontal earth pressure coefficient.		Contractor during detailed design stage.
213.	Part 2 - Section IX - Tender Drawings		Barricading Board Drawings	Kindly Clarify if contractor can propose barricading boards as per the other existing metros for Employer approval and use at site.	Tender condition prevails.
214.	Part 2 Employer's Requirement	Appendix-2B	Contract Key Dates-Tunnel KD-5 & KD-6 :Assembling and Start of Initial drive for TBM-1 & TBM-2	Please provide the Date of TBM Shaft/ Swergate Station temporary retaining system construction completion date and handing over Schedule. If Any Delay form P1UG04 contractor, the key dates shall be extended without any LD.	Tender condition prevails.
215.	Part 2 Employer's Requirement	Section IX	Tender Alignment Drawings	Please provide the list of heritage status building considered in the UG2 Stretch.	It is under bidder's scope of work.
216.	Part 2 Employer's Requirement	Section IX		Please provide the Google Earth file of the Alignment	Available informations are provided in Tender.
217.	Part 2 Employer's Requirement	Section IX	Tender Drawings	Please provide the CAD files of all Drawings	CAD drawings may be obtained from PMRP office for reference purpose only. However Tender

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
					drawings (PDF version) shall prevail.
218.	Part 2 Employer's Requirement	Section IX	Tender Work area Drawings-PML1-IC-WA-MND-0211, PML1-IC-WA-BDP-0212, PML1-IC-WA-SWG-0213	Please confirm the date of land handover of all the workareas by MAHA Metro.	Land parcels will be made available as stated in Appendix 2A.
219.	Part 2 Employer's Requirement	Section IX	Tender Utility Drawings-PML1-IC-BDP-ULT-0296, PML1-IC-MND-ULT-0297	Please provide the List of Chartered Utilities at Budhwar Peth, Mandai and Swargate Stations	Available utility informations are provided in tender drawings.
220.	Part 2 Employer's Requirement	Section IX	Tender Work area Drawings-PML1-IC-WA-MND-0211, PML1-IC-WA-BDP-0212, PML1-IC-WA-SWG-0213	Please provide Traffic Diversions Plans (if any) for Budhwar Peth, Mandai and Swargate Stations.	It is under bidder's scope of work.
221.	Part 2 Employer's Requirement	Section VII - Outline Construction Specifications S.03- Tunneling 3.7.1.6 (3)	Segments shall not be transported to site until they have achieved the 28 days compressive cube strength.	Please clarify that it is not mandatory to stack the segments for 28 days if they have achieved the 28 days compressive cube strength.	Tender clause is self-explanatory. Tender condition prevails.
222.	Part 2 Employer's Requirement	Section IX , Tender Drawings, PML1-IC-GA-UGC-001	5.The mentioned chainages and distances are as per preliminary studies and are subjected to change as the project progresses on the basis of discussions with the relevant authorities 6. Chainages are indicative only physical boundaries to be followed.	We understand that any changes in chainages will be considered as additional scope and will be paid as variation. Please clarify.	Notes provided in Drawing is self-explanatory. The alignment can be modified only by Employer, and changes would be dealt case by case for variations (if any).
223.	Part 2 Employer's Requirement	Section IX	Tender General Arrangement Drawings-PML1-IC-AL-UGC-0221	TBM retrieval work area towards Mandai is not sufficient for TBM retrieval, request to provide at least 1200 sqm at BudhwarPeth Location.	Tender condition prevails
224.	Part 2 Employer's Requirement	Section IX	Tender General Arrangement Drawings-PML1-IC-AL-UGC-0221	Please provide the details of access road and the Traffic management Plan at the BudhwarPeth retrieval shaft location for the dismantling & transportation of TBM.	It is under Bidder's scope of work.
225.	Part 2 Employer's Requirement	General	Tender General Arrangement Drawings-PML1-IC-AL-UGC-0223	We understand that contract UGC-04 will be taking in an account all the surcharge loads of Cranes/ gantry required for TBM	Yes.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				operations on temporary retaining systems at Swargete Station. Please confirm	
226.	Part 2, Section IX			Please provide the CAD copy of the alignment.	CAD drawings may be obtained from PMRP office for reference purpose only. However Tender drawings (PDF version) shall prevail.
227.	Part 2, Section IX			Please provide the CAD copy of the Geotechnical profile.	CAD drawings may be obtained from PMRP office for reference purpose only. However Tender drawings (PDF version) shall prevail.
228.	Part 2, Section IX			Please provide the CAD copies for all the tender drawings to facilitate our base tender design	CAD drawings may be obtained from PMRP office for reference purpose only. However Tender drawings (PDF version) shall prevail.
229.	Part 2, Section IX	Geotechnical (PML1-IC-AL-UGC-0221to PML1-IC-AL-UGC-0225)		There is discrepancy between the ground level, chainages, Horizontal alignment & vertical alignment as per the alignment drawings. Please confirm. For Ex- As per alignment drawing the center line of budhwar pet station is 14157.4 whereas as per geotechnical profile at the same is 14144.71. Please clarify.	Please refer corrigendum - S. No. 42
230.	Part 2, Section IX			Please provide the details of any heritage buildings that are falling within the Package-2 Alignment.	It is under bidder's scope of work.
231.	Part 2, Section VII			Please confirm the minimum grade of concrete for temporary retaining structures.	Refer to ODS, Section S.02, clause 2.6.1
232.	Part 2, Section VII			Any specifications/guidelines for reinforcement in primary support of sprayed concrete lining for tunnels as well as underground stations & NATM tunnels.	Please refer OCS- Section VIII, section 1.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
233.	Part 2, Section VII			Please mention what surcharge to be considered per floor of the existing buildings near the tunnel and station influence zone.	Refer ODS, Section VII, Clause 2.7.12.
234.	Part 2, Section VII			Should seismic forces to be considered while designing primary support of Cross Passage & NATM tunnels?	Refer ODS, Section VII, Clause 3.2.1 (8)
235.	Part 2, Section VII			Please provide guidelines as what factor of safety should be considered for designing temporary and permanent lining of Cross passage & NATM tunnels.	Load combinations with corresponding safety factors as given in ODS, section-VII, Clause 2.7.18 along with codal provision shall be followed.
236.	Part 2, Section VII			Please clarify whether the contractor can change the number of segments from 6+1 to 5+1 in a Tunnel Ring.	Yes.
237.	Part 2, Section VII			Any limitations for the amount of volume loss due to tunneling to be considered in the analysis.	It is under bidder's scope of work. Please refer ODS, Section VII, Clause 3.4.1, 3.4.5 etc., and similar clauses referred elsewhere in tender document.
238.	Part 2, Section VII			Any anticipated locations in the alignment which require ground improvement, suggest if any. Please mention that quantity has to be considered in EPC BOQ.	It is under bidder's scope of work.
239.	Part 2, Section VII			Any specifications for the temporary support when the cuts shall be made in the TBM tunnel segment for Cross passage excavation.	It is under bidder's design scope of work.
240.	Part 2, Section VII			Any data if available related to building founded on piles, basements, underpass, bridges, D-Wall, please provide.	It is under bidder's scope of work.
241.	Part 2, Section VII			Any guideline/restrictions for the type/size of the reinforcement used in tunnel segment.	Refer ODS, Section VII, Clause 2.5.3 and clause 3.5.7, item 3 along with similar clauses

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
					referred elsewhere in tender document.
242.	Part 2, Section VII			Please provide data regarding any anticipated cavities in the tunnel stretch, if available.	It is under bidder's scope of work.
243.	Part 2, Section IX (PML1-IC-RT-CP-0051)			The level of the CP invert is at the rail level. As per our experience it should be at Walkway level. Please confirm.	Please refer corrigendum - S. No. 86 for revised drawings.
244.	Part 2, Section VII			Please mention any specification for the type of bolts for TBM segments, or it is upon the contractor to decide.	Refer ODS, Section VII, S.03, Clause 3.7.7
245.	Part 2, Section VII			Any prescribed limits for peak particle velocities for Archeological structures/monuments and ground induced vibrations.	Refer OCS, Section VIII, S.01, Clause 9.4.8
246.	Part 2, Section VII			Any limitation on K0 for rock to be considered for cut and cover structures.	It is under bidder's design scope of work.
247.	Part 2, Section IX			Please provide the minimum thickness of first stage concrete.	Interface scope of bidder. Refer Drawing No. PML1-IC-GA-IRF-0071
248.	Part 2, Section VII			Please clarify whether SFRS & SFRC can be used for primary and secondary lining support for NATM tunnel & cross passages.	Refer OCS, Section VIII, S.03, Clause 3.10.2, as well ODS, Section VII, S.03, Clause 3.5.8 and 3.5.9.
249.	Part 2, Section IX (PML1-IC-GA-UGC-001)			Please clarify as per the tender drawings shown note 8, "package 2 - excludes temporary retaining system and excavation for swargate station and adits leading to station, along with permanent structure for adits". Please clarify the same.	Please refer to corrigendum - S. No. 35
250.	Part 2, Section IX			As per alignment drawing's 1 CP is located between Budhwar peth station and Mandai	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				Station, however the distance between the CP & Mandai station is approximately 600m. Please confirm the necessity of CP at that location.	Tender drawings are self-explanatory.
251.	Part 2, Section VII			Please confirm which revision of the NFPA to be followed for the quantification of all the safety exits. There is a discrepancy between 2010 and 2017 revisions at some places in the tender document.	NFPA 130 2014 edition amended in 2017 to be followed.
252.	Part 2, Section IX			Please provide the alignment details separately for the upline and downline tunnel, clearly showing the length of each tunnel with respective chainages.	Tender condition prevails.
253.	Part 2, Section IX			What is the maximum width of walkway that should be pass SOD requirements?	Please refer corrigendum - S. No. 86
254.	Part-2, Section VII - S.05	5.5.2.2	<p>This section specifies the furnishing and installation to complete and operable RO/ water softening plant for cold water for reducing the TDS to below 100 mg/lit so as to generate water fit for drinking purpose and for make requirements for Cooling tower of HVAC system.</p> <p>The plant shall be designed to treat bore well/municipal supply water (TDS upto 3000 mg/lit) to yield permeate with TDS less than 100 mg/lit.</p> <p>The raw water analysis report is likely to be: TDS - 900 mg/lit Total hardness (as CaCO₃) - 638 mg/lit pH - 6.5 to 8.5 Chlorides as Cl - 105 mg/lit Alkalinity (as CaCO₃) - 421 mg/lit Sulphates as SO₄ - 233 mg/lit</p>	<p>Bidder request client to clarify whether RO/softening water required for cooling tower of HVAC system too.</p> <p>Bidder request client to mention the treated water quality report.</p>	<p>RO plant to be installed for drinking water. Softening plant to be installed for HVAC requirements & the treated water shall have TDS below 100mg/l & Hardness below 50 mg/l</p> <p>Please refer Corrigendum - S. No. 50</p>

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			Coliform - Nil E-Coil - Not mentioned Total iron as Fe - 0.6 mg/lit Fluorides - 7 mg/lit Turbidity - 7 NTU Silt Density index may be assumed to be less than 3		
255.	Part 2, Section VIII - S.04	4.5.3.1	Pumps shall be selected for a total efficiency of not less than 75 percent and comply with the TAC standard	As per section - VII (ODS) S.05, Clause 5.5.3.1, point-C (page no 86), It is mentioned that pump efficiency should not be less than 95 %, kindly clarify which to be considered.	Please refer corrigendum - S. No. 51.
256.	Part 2, Section VIII - S.04	4.7.2	Portable extinguishers shall be installed at the locations as approved by the local fire authorities and Employer/Engineer	As per drawing no :- PML1-IC-GA-FF-0041; GENERAL NOTES , Point no. 6: Dry powder, carbon dioxide, water foam type and or clean gas agent shall be provided in accordance to the application and function of the protected areas. All fire extinguishers shall be tested and certified to the relevant BS standards and approved by the Mumbai Fire Authority. Bidder request client to clarify whether to get approval from local fire authorities or Mumbai fire authority.	Contractor need to get approval from Local Fire Authority.
257.	Part 2, SECTION IX- Tender Drawings	Drawing No. PML1-IC-GA-PL-0021	NOTES FOR DRAINAGE WORKS : 2. PIPE MATERIAL. SANITARY WORKS: e).WASTE PIPE DISCHARGE FROM SINKS, BASINS, ETC. TO FLOOR TRAP / FLOOR WASTE NOTES FOR WATER SERVICES: 2. PIPE MATERIAL. WATER SERVICES WORKS: c).DISTRIBUTION PIPE (76MM DIA AND BELLOW)	Bidder identified that COPPER TUBE TO IS 2501 to be used for sanitary and water services, Can the bidder go with GI or UPVC pipes for sanitary and GI pipes for water services.	Please refer corrigendum - S. No. 52.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
258.	Part 2, Section VI, section -B functional	B10 (4)	The pumps shall have 100% standby arrangement. The centrifugal pumps shall be of self-priming type. The efficiency of the pump set shall not be less than 95% of the maximum theoretical efficiency possible for that type of pump.	As per Section VIII - S.04 (OCS), clause no: 4.5.3.1, Pumps shall be selected for a total efficiency of not less than 75 percent and comply with the TAC standard. Kindly confirm.	Please refer corrigendum - S. No. 51.
259.	Part 2, Section VI, section -B functional	lxxiv	Water treatment plants for bore well water, and	Bidder request client to confirm whether to use water treatment plant only for bore well water or it shall be used for municipal water/other water sources.	Please refer corrigendum - S. No. 50
260.	Part 2, Section VI, section -B functional	lxxviii	Design, manufacture, supply, install, testing and commissioning of Clean Inert Gas System for ASS Switch rooms(this work in strikeout font in ASS room is under the scope of TVS/ECS Contractor), Signal Equipment Rooms, Telecommunication Equipment Rooms and PSD Rooms and other rooms as required etc. complete with all accessories and as per the contract stipulations.	As per Part-1, section IV B, Price Centre K : Part-B, S.No :F.17, Price Centre L : Part-B, S.No :F.17 & Price Centre M : Part-B, S.No :F.17 Bidder request client to clarify whether need to provide clean gas agent for 2 ASS Electrical panels. Kindly confirm can the bidder go with any clean gas agent system or else only IG 541 (300 bar) system complying with NFPA 2007 shall be used	Panel flooding system for ASS Panels is excluded from this contract. However, all other panel/ room like SER, TER, SCR, PSD Room gas flooding system are in the scope of this contract. Any clean gas agent may be used for gas suppression system conforming to NFPA 2001. Refer Updated BOQ in Corrigendum - Annexure 10.
261.	Part 2, SECTION IX- Tender Drawings	Drawing no. PML1-IC-GA-FF-0044		As per drawing no :- PML1-IC-GA-FF-0042; Tanker inlet connection has been connected to fire water tank but in drawing no: PML1-IC-GA-FF-0044, tanker inlet connection is connected with domestic water tank. Bidder request client to clarify the ambiguity for the connection of the inlet of the tanker	Please refer Corrigendum - Annexure - 12.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
262.	Part 2, SECTION IX- Tender Drawings	Drawing no. PML1-IC-GA-FF-0044		Bidder request client to confirm the tapping point of cooling tower make-up line.	Contractor to interface with VAC Contractor for his requirements.
263.	Part 2, SECTION IX- Tender Drawings	Drawing nos. PML1-IC-GA-FF-0042, PML1-IC-GA-FF-0044, PML1-IC-GA-PL-0022		Bidder did not found any cooling tower make-up water tank/sump in the given drawings. Kindly clarify.	Contractor to interface with VAC Contractor for his requirements.
264.	Part 2, Section VII S.06	6.6.4	The 150mm minimum diameter wet fire main shall be extended to the entire length of the tunnel with fire service outlets located every 100 meters apart.	As per ODS document, hydrant spacing of 100m is mentioned. Bidder recommends hydrant spacing of 45 m in tunnels. Kindly clarify the hydrant spacing in tunnels and also whether the hydrant valves and pipes are considered in the given BOQ	Please follow IS Codes and local Fire Authority regulations.
265.	Part 2, Section VII S.05	5.7.3.6	Each Fire Hose Reel box shall be provided with the following A. 4 Nos. 65mm Dia. or 40mm Dia., 30Metres Long Fire Hose complete with Quick Coupling on Each End, suitable For Tunnel Fire Fighting. B. 2 Sets of Quick Coupling Reducer C. 2 Sets of 65mm Dia. Adjustable Spray and Solid Stream Nozzles	Item A, B, C were not listed in Section IV b-Pricing document. Provide the line item to quote for the same.	Please refer revised BOQ in corrigendum - Annexure - 10.
266.	Part 2, Section VII S.05	5.7.1.6	The landing valves shall be constructed of gunmetal screw bonnet, bronze spindle. Such valves shall have a purpose made fitting comprising a 64mm bore gun-metal valve, with BS Table 'C' flanged or BSP screwed inlet, 64mm instantaneous female coupling outlet fitted with a removable brass cap	Section IV b- Pricing document Item No: F.14.2, "Fire hydrant valves confirming to IS: 5290 and specification having female instantaneous type connection with matching flanges, gaskets, nuts & bolts complete in all respects.	Please follow IS Codes.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			secured by a stainless steel chain, 165mm diameter hand wheel, 64 mm bore renewable valve washer for screw down valves, 22 mm minimum diameter spindle, tested to 2070kPa and marked with the manufacturer's name or mark.	Bidder consider to quote for Landing valves, Fire Hose, Instantaneous couplings, Fire hose reels, Fire brigade connection, portable extinguishers as per IS standards. Kindly confirm.	
267.	Part 2, Section VII S.05 Section IV B - Pricing Document	5.7.5 Price Centre K: Part-C, , Price Centre L: Part-C, & Price Centre M: Part-C, S.no : F.11.1	The Fire Pump Set shall comprise the following for each station Two Electric Fire Pumps One Jockey pump	As per Indian standard it is recommended to have one no electric motor driven fire pump & one no diesel engine driven fire pump As per ODS & price schedule both fire water pumps shown as electric driven fire water pumps. Please clarify.	Tender condition prevails.
268.	Part 2, Section IV B - Pricing Document	Price Centre K: Part-C, , Price Centre L: Part-C, & Price Centre M: Part-C, S.No : F.18.1	Clean agent IG 541 (300 bar) system complying with NFPA 2007 gas suppression system for signaling equipment room, Telecom equipment room, UPS room based on NFPA 2017. Including pipe headers, nozzles, pressure relief vents and other accessories for the each room with facilities for manual override; predischage alarm and Abort switch for each room sizes given below.	Bidder understand centralised clean agent IG 541 (300 bar) system with selector valve arrangement. Kindly confirm. Bidder understand clean agent IG 541 system complying with NFPA 2001 instead of NFPA 2007. Kindly confirm Please provide the requirement of stand by cylinder for IG 541 system. Bidder request client to confirm whether the cylinder used for Room integration test has been considered in the BOQ or not?	Please refer revised BOQ in corrigendum - Annexure 10
269.	Part 2, Section VI (Functional)	B2 (1) (xxxiii)	Design, manufacture, supply, install, testing and commissioning of Power supply arrangement from each LV Switchboard located in Auxiliary Substations (or as required) to their respective Main Distribution Board and to	Kindly confirm whether all LV switch boards in ASS room including capacitor panel under the scope of civil contractor or TVS/ECS contractor or PST contractor.	Please refer corrigendum - S. No. 53

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			the sub-Main Distribution Board (located in MDB Rooms or as required) through cables/ bus duct on the other end of the platform in order to maintain 100 % redundancy supply, with each MDB designed to cater to 100% load of the station and the corresponding Tunnel Portion, including termination of cables/bus duct at both ends and as per the Contract Stipulations; (All LV switchboards in ASS room including Capacitor Panels is under the scope of TVS/ECS Contractor) and		
270.	Part 2, Section VI (Functional)	B2 (1) (xlvi)	Design, manufacture, supply, install, testing and commissioning of Power supply to Leakage Detectors in the raised floor to detect condensation of water at rooms provided with raised floors in stations from the Main Distribution Board / Emergency Distribution Boards up to the incoming breakers / switches including, power and control cables of required length, Grade and size and cable containment including termination at both ends and as per the Contract Stipulations; and	It is understood only power supply shall be given to leakage detectors in the raised floors and Design, manufacture, supply, install, testing and commissioning of the leakage detector is under other scope	Understanding is correct
271.	Part 2, Section VI (Functional)	B2 (1) (lx)	Load flow, short-circuit and protective device coordination studies which shall be prepared by third party consultant engaged by the Contractor and as per the Contract stipulations ; and	Do we need to engage a separate third party consultant to review Load flow, short-circuit and protective device coordination or only the lead design checker certificate is sufficient?	Please refer corrigendum - S. No. 83
272.	Part 2, Section VI (Functional)	B2 (1) (lxv)	Design, manufacture, supply, install, testing and commissioning of Sprinkler System for non-public areas and non-electrical rooms of the stations and	Kindly confirm is it mandatory to consider Sprinkler System for non-public areas and non-electrical rooms of the stations and Intermediate ventilation shaft fan rooms	Relevant codes & fire authority regulations to be followed.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies				
			Intermediate ventilation shaft fan rooms (if applicable), complete with all accessories and as per the Contract Stipulations ; and	and whether this had been considered in the given BOQ?					
273.	Part 2, Section VI (Functional)	B2 (1) (lxviii)	Design, manufacture, supply, install, testing and commissioning of Clean Inert Gas System for ASS Switch rooms (this work in strikeout font in ASS room is under the scope of TVS/ECS Contractor), Signal Equipment Rooms, Telecommunication Equipment Rooms and PSD Rooms and other rooms as required etc. complete with all accessories and as per the Contract Stipulations ; and	Bidder understand from this clause clean inert gas system for complete ASS room (ASS-1 & ASS-2) is under scope of TVS/ECS Contractor. Also Bidder request to clarify the concept/meaning of “other rooms”, else it would be helpful if the client suggest the room names.	Bidder's understanding is correct. All the specifications to be read in conjunction. SER, TER, SCR, PSD Room gas flooding system are in the scope of this contract. Any clean gas agent may be used for gas suppression system conforming to NFPA 2001.				
274.	Part 2, Section VII - Outline Design Specifications S.04 Station Architectural Works	ATTACHMENT A - PASSENGER FORECAST	Passenger forecast shall be as per Detailed Project Report Chapter 2-Traffic Study prepared by DMRC. The same is attached hereunder.	No attachment available for ridership data. Station wise ridership data is required for station sizing calculation (i.e. peak hour passenger flow at each station and peak hour link load).	Ridership data available in the DPR, and DPR copy (Updated Nov 2015) can be downloaded from Maha-Metro website				
275.	Part 2, Section VII - Outline Design Specifications S.04 Station Architectural Works	4.7.5 STAIRS	<div>These standards refer to all stairways used by the public including auxiliary staircases. All staircases shall comply with local regulations.</div> <div>2) Design Parameters</div> <div>Continuous flights of stairs for use by the public shall have the following design parameters:</div> <table><tr><td>Risers per flight</td><td>as per NFPA 101</td></tr><tr><td>Height of riser & Length of tread (subject to pitch)</td><td>as per NFPA 101</td></tr></table>	Risers per flight	as per NFPA 101	Height of riser & Length of tread (subject to pitch)	as per NFPA 101	Clarification required for the staircase design parameters - are local regulations or NFPA 101 to be followed?	Tender condition prevails.
Risers per flight	as per NFPA 101								
Height of riser & Length of tread (subject to pitch)	as per NFPA 101								

Sl. No	Volume No	Clause No	Bid Condition			Bidder's Queries	Responses / Replies
			Stair width	Minimum 1500mm for normal movement of passengers. Minimum as per NFPA 101 for emergency use of passengers.			
276.	Part 2, Section VII - Outline A Design Specifications S.04 Station Architectural Works	4.10.3 SIGNAGE	All signage shall be of as per a uniform system-wide signage strategy provided by MAHA Metro. Signs are to be provided in three languages.			Signage strategy not given in the tender document. The three languages required are not specified in the tender document.	Refer Appendix 20, Clause 4.4.3.1, item 6
277.	Part 2, Section VII - Outline Design Specifications S.04 Station Architectural Works	ATTACHMENT-B - MINIMUM STATION ACCOMODATION AND FINISHING- UNDERGROUND STATIONS AND ELEVATED STATION	Sr. No.	Room name	Ceiling	Two different materials have been specified for the false ceiling in Public Areas in different parts of the tender document. Clarify which one is to be followed.	Complete details, design and drawings will be provided by Maha-Metro at the time of detailed design stage and during actual execution
			49	Public areas- Internal	1. Non Perforated 600x600 powder coated M.S. ceiling panels 2. Anti-dust sealer coat on surfaces above the false ceiling		
278.	Part 2, Section VII - Outline Design Specifications S.04 Station Architectural Works	ATTACHMENT-B - MINIMUM STATION ACCOMODATION & FINISHING- UG STATIONS AND ELEVATED STATION				Clarification required regarding the functioning of this room since the location of solar panels has not been specified elsewhere in the tender document.	Complete details, design and drawings will be provided by Maha-Metro at the time of detailed design stage and during actual execution
			Sr. No.	Room name			
			43	Solar Panel Control Room			
279.	Part 2, Section VII - ODS S.04 Station Architectural Works	4.2.3 Railing and Fall Protection	Horizontal railing... ..shall be constructed to a minimum height of 1200 ± 5 mm above adjacent finished floor level.			Two different heights have been specified for the SS Handrail. Clarify which one is to be followed.	ODS clause prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
280.	PART 2 - Section IX_ Tender Drawings	General -		Elevations (i.e. above-ground structures) are not given in the drawings.	Elevation Details will be provided by Maha-Metro during Detailed Design Stage.
281.	Part 2, Section VII - Outline Design Specifications S.04 Station Architectural Works	4.7.1 - Entrance and Concourse Requirements	Where staircases are parallel to escalators, the first riser shall preferably be positioned one tread width from the lower Escalator Working Point (EWP) towards the upper EWP.	When the staircase and escalator are parallel to each other, at landing levels safety railing is to be provided around the escalator. Clarify whose scope the railing falls under.	Details will be provided by Employer during detailed design stage
282.	Part 2, Section VII - ODS S.04 Station Architectural Works	7.5.1.3 Environmental Certification	The Contractor shall obtain certification for the project under the Leadership in Energy and Environmental Design (LEED), Green Building Rating System™ (USA)	Clarify only LEED Green Building System (USA) is required or Indian Green Building certification is required.	Yes. Indian Green Building certification is required.
283.	Part 2, Section VII - ODS S.04 Station Architectural Works	4.6.3 Flood Control	"This protection shall be by the provision of a minimum of 4 steps and/or ramp of equivalent height up to a landing a minimum 600 mm above adjacent flood levels."	Data regarding adjacent flood levels is not available. Rain fall data around the station areas are also required. Please Provide both.	Flood protection details (Plinth level of entrance/flood gates) will be provided by Employer to the successful bidder in the form of drawings during detailed design stage. Flood data required for structural design is bidder's scope of work.
284.	Part 2, Section VII - ODS S.04 Station Architectural Works	ATTACHMENT-B - minimum station accommodation & finishing-UG stations and elevated station	- General -	Finishes are not specified for Store Room (only for floor not specified), Back of House areas and above ground structures. Please Provide.	Finishes details will be provided to the successful bidder during detailed design stage.
285.	PART 2 - Section IX, Tender Drawings	- General -		Areas for landscaping have not been marked in the drawings. The kind of landscaping required (hardscape/	Landscaping details will be provided to the successful bidder during detailed design

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				softscape) has also not been specified. Please furnish.	stage. Whereas, for BOQ refer corrigendum.
286.	PART 2 - Section IX, Tender Drawings	Dwg. No. : PML1-IC-MND-ARC-0253	- General -	The distance between exit staircases at platform level is >140m. As per NFPA 130 guidelines, this will not satisfy the egress calculations specified. Please Clarify.	Design provision already meets requirement of NFPA 130, clause 5.3.3.5.
287.	PART 2 - Section IX, Tender Drawings	Dwg. no.: PML1-IC-BDP-ARC-0241	- General -	The position of the staircase located at street level near grids C & 8 is different at the lower levels. Clarify which location is to be followed.	Staircase transfer between Street and Mezzanine 1 level is shown in drawing. (Refer Drawing No. PML1-IC-BDP-ARC-0242)
288.	PART 2 - Section IX, Tender Drawings	- General -	Many rooms mentioned in the 'ATTACHMENT-B - MINIMUM STATION ACCOMODATION AND FINISHING- UNDERGROUND STATIONS AND ELEVATED STATION' are not shown in the drawings. Eg. ECS panel room is not shown in Mandai Satation and EFO not shown in Budhwarpeth Station.	Please provide drawings which show at which level these rooms are located.	Mandai Station: ECS/Chiller plant room is shown in Drawing No. PML1-IC-MND-ARC-0253. Budhwarpeth Station: Complete details, design and drawings will be provided by Maha-Metro at the time of detailed design stage and during actual execution.
289.	Part 2, Section VI (functional)	B2.1.xviii	Entrances, entrance tunnels and subways leading into the stations, including underground and above ground structures, which will require detailed feasibility studies and approval(s) from statutory authorities; consultation/consent with/of Heritage Committee will be required for those structures which are to be located in the vicinity of heritage structures falling on alignment of this package.	Please clarify how to consider the above ground structure for quantity finalization in tender quantity.	Tender condition prevails
290.	Part 2, Section VII S.02 (ODS)	2.6.2	All the elements of the station structures (except non-load bearing separation walls) and all other	Please clarify Minimum fire resistance period for OTE precast duct (considering Secondary design element),	Tender Condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			underground structures shall be designed for a minimum fire resistance period of 4 hours.		
291.	Part 2, Section VII S.02 (ODS)	2.7.18	Ultimate limit state Load Combination table	It is noted that special underline on case 2 (DL+EQ) Ground water load as 1.5. Clarification for underlined factor is missing in notes. Please clarify.	Underlining is a typo error and may be ignored.
292.	Part 2, Section VII S.02 (ODS)	2.7.18	load combination	Serviceability Limit state load combination details required.	IS 456 and other relevant IS codes to be followed
293.	Part 2, Section VIII	4.2.1	As per OCS For secant pile walls minimum Grade of concrete shall be M40.	AS per OCS minimum grade for piles is M35 but M40 is used for secant piles, kindly clarify why higher grade required for temporary pile walls.	Tender Condition prevails
294.	Part 2, Section VII S.03	3.5.7 (3)	A segment shall be evaluated as a short column subjected to axial load and moments. The minimum diameter of main reinforcement and confinement reinforcement shall be provided following requirements of column.	The lateral ties in a Gravity load bearing column will be in accordance with IS 456 cl 26.5.3.2 whereas when the lateral ties for a lateral load resisting column will be in accordance with IS 13920 cl 7.4.7 and the Minimum requirements vary for the above cases. Kindly clarify in this regard.	Tender Condition Prevails
295.	Part 2, Section VII S.1 (ODS)	1.1.2 (3)	IS875, IS 1893:2002, IS 13920: 1993	Latest revision of codes have released kindly clarify to follow as per ODS or latest revisions.	Please refer to clause 1.1.2, item 2 of tender documents
296.	Part 2, Section VII S.2 (ODS)	2.7.7 (3)(iii)	Macromick	Reference details required as specified in clause.	It is under bidder's scope of work.
297.	Part 2, Section- IX	PML1-IC-BDP-ARC-0246, GENERAL ARRANGEMENT DRAWING, BUDHWARPETH STATION	Level of Shaft details	In section2-2 Level details of TVS shaft are not clear. Shaft capacity and area details required for fixing shape of shaft. Additional Section details required between grids 5-10 for clarity.	Complete details, design and drawings will be provided by Maha-Metro at the time of detailed design stage and during actual execution.
298.	Part 2, Section- IX	PML1-IC-BDP-ARC-0246, GENERAL ARRANGEMENT	PROPERTY DEVELOPMENT BY OTHERS	In section 1-1, above grade level it has mentioned that property development by others, kindly clarify the loading	There is no property development at Mandai and Budhwar Peth Stations.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
		DRAWING, BUDHWARPETH STATION		consideration, and future development condition. Additional Section details required between grids 5-10 for clarity. Provide Auto CAD drawings for the same.	Please refer corrigendum - S. No. 46
299.	Part 2, Section- IX	PML1-IC-BDP-ARC-0242, GENERAL ARRANGEMENT DRAWING, BUDHWARPETH STATION	Height clearance	In Mezzanine level plan 1 it's mentioned as clear height 3.9m, kindly clarify shall we consider the same height for chiller plant and AHU.	Tender condition prevails.
300.	Part 2, Section- IX	PML1-IC-MND-ARC-0251 GENERAL ARRANGEMENT DRAWING, MANDAI STATION	Future property Development/service core By others. Civil contractor To consider the structural Loads of property Development above station As agreed with employer.	In grade level it has mentioned that property development by others, kindly clarify the loading consideration, and future development condition. Additional Section details required between grids 1-3 & 18-20 for clarity. Provide Auto CAD drawings for the same.	There is no property development at Mandai and Budhwar Peth Stations. Please refer corrigendum - S. No. 46
301.	Part 2, Section- IX	General	Cross passage	Kindly clarify any additional Cross passage required between budhwarpeth to mandai station, As per the alignment drawings it has mentioned only 1 cross passage, please clarify.	Tender condition prevails.
302.	Part 2, Section- IX	SWARGATE STATION	Future entry and skylight Scope of civil contractor To be interfaced with Property development	Scope clarity required for future entry and property development, details provided is not clear.	UGC-02 Contractor shall interface with designated contractor for any inputs on design/construction.
303.	Part 2, Section- IX	SWARGATE STATION	Subway design construction (structural) will be done by ugc-04 contractor. Contractor shall liaise and interface same with the station	Entry 3 connected with Subway, kindly clarify Subway along with entry will be done by UGC-04 contractor.	Yes. Please refer corrigendum.
304.	Part 2, Section- IX	SWARGATE STATION	Subway by others	Entry 4 connected with Subway, kindly clarify Subway along with entry will be done by other contractor.	No, this is part of UGC-02 Contractor's scope of work. Please refer corrigendum - S. No. 35 and 46

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
305.	Part 2, Section- IX	SWARGATE STATION	Section1-1	As per the section 1-1, entry structures are resting on the car parking area filled with soil and additional wall support, Drawings are not clear about the filling Gap. Please provide the details.	UGC-02 Contractor shall interface with designated contractor for any inputs on design/construction.
306.	Part 2, Appendix 22 - BIM Execution Plan	2.0 (Page 334)	It is MMRCL's objective to have a common strategy for the adoption of 5D BIM. The strategy includes an approach to describing information requirements across all aspects of the asset Lifecycle with the Information Requirements (EIR) for such, being described in this document.	Bidder understands that as per clause 2.0, 5D BIM is to be enabled for the scope of works listed in Part 2 Section VI of Bid document. Kindly confirm	Tender clause is self-explanatory.
307.	Part 2, Appendix 22 - BIM Execution Plan	2.0 (Page 334)	It is MMRCL's objective to have a common strategy for the adoption of 5D BIM. The strategy includes an approach to describing information requirements across all aspects of the asset Lifecycle with the Information Requirements (EIR) for such, being described in this document.	Bidder understands that scope of contractor for BIM primary uses mentioned in table 3.1 of Appendix 22 and stages mentioned in clause 3.2 of Part 2 Section VI of Bid document, will be limited to 5D BIM. Kindly confirm	Tender clause is self-explanatory.
308.	Part 2, Appendix 22 - BIM Execution Plan	6.1.1 Collaboration Platforms (Page 353)	CDE: Project Data Environment - Collaboration Tool Bentley ProjectWise CDE: Project Data Environment - DMS (Document Management System)-Bentley AssetWise 3D/4D/5D integration - RIBiTwo Project Scheduling Primavera Enterprise Reporting - SAP	As per the Tender document, Bidder understands Employer will establish the centralized common data environment (CDE) for all the contractors. Kindly confirm	Tender condition prevails.
309.	Part 2, Appendix 22 - BIM Execution Plan	6.1.1 Collaboration Platforms (Page 353)	CDE: Project Data Environment - Collaboration Tool Bentley ProjectWise CDE: Project Data Environment - DMS (Document Management System)-Bentley AssetWise 3D/4D/5D integration - RIBiTwo Project Scheduling Primavera Enterprise Reporting - SAP	Bidder understands that employer or the Interface contractors and suppliers appointed by the employer will provide all necessary information related to 5D BIM in the schema and compatible Information Exchange Format including object model	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				and data for the scope of works outside this Bid. Kindly confirm	
310.	Part 2, Appendix 22 - BIM Execution Plan	6.1.1 Collaboration Platforms (Page 353)	CDE: Project Data Environment - Collaboration Tool Bentley ProjectWise CDE: Project Data Environment - DMS (Document Management System)-Bentley AssetWise 3D/4D/5D integration - RIBiTwo Project Scheduling Primavera Enterprise Reporting - SAP	Bidder understands that list of software mentioned are indicative and any equivalent software available in the market can also be considered by the bidder from BIM use. Kindly confirm	Tender condition prevails.
311.	Part-3, PCC, Cl.No.2.1, Page: 7	Right of Access	Replace 2.1(b) with: The cost of idle labour as per rate of daily wages subject to the assessment and approval of the Engineer.	Kindly retain the Original Clause 2.1(b) of GCC: "Payment of any such Cost plus reasonable profit, which shall be included in the Contract Price"	Please refer corrigendum - S. No. 20
312.	Part-3, PCC, Cl. No. 2.2, Page 7	Permits, Licences or Approvals	Kindly note that the rendering of such assistance by the Employer shall not be interpreted as a pretext by the Contractor as condoning of any delay or non-performance of any of the Contractor's obligations	We request Employer to take up the responsibility of getting approvals, permits or licenses and also we request Cost and Time Compensation in case of delay caused due to this which is not attributable to the Contractor.	Tender condition prevails
313.	Part-3, PCC, Cl. No. 2.6, Page 7	Assignment by the Employer (New Clause)	The Employer shall be fully entitled without consent of the contractor to assign any part of work to any third party at the risk and cost of the contractor by giving 14 days' notice when the contractor is behind the schedule and causing undue delay.	Kindly delete this clause.	Tender condition prevails
314.	Part-3, PCC, Page 9	Performance Security Amount	10% of Contract Value in form of BG .Valid Upto 56 days beyond the date of issue of Performance certificate	Request to change this to 5% of Contract value in form of BG	Tender condition prevails
315.	Part-3, PCC, Cl. No. 4.6, Page 11	Co-operation	Whole Clause	(i) If the Contractor suffers delay by reason of failure by any Designated/Interfacing Contractors to meet the specified installation interfacing and co-ordination, completion dates and achieving	Tender condition prevails

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				key dates, then contractor should compensated with reasonable cost compensation along with EOT. And liquidated damages if they become due, because of failure by any Designated/ Interfacing Contractors to meet the specified installation interfacing and co-ordination, completion dates and achieving key dates, then employer should not recovery any LD from the contractors payments as delay of KD not attributable to the contractor. Please consider and modify this clause accordingly.	
316.	Part-3, PCC, Cl. No. 4.34, Page 22	Work by Persons Other than Contactor (New Clause)	If by reason of any accident or failure or other event occurring to, in, or in connection with the Works any remedial or other work shall, be urgently necessary and the Contractor is unable or unwilling at once to do such remedial or other work, the Employer/Engineer may authorise the carrying out of such remedial or other work by a person other than the Contractor. All expenses properly incurred in carrying out the same shall be recoverable by the Employer from the Contractor. Provided that the Employer/Engineer shall, as soon after the occurrence of any such emergency as may be reasonably practicable, notify the Contractor thereof in writing.	Kindly delete this clause.	Tender condition prevails
317.	Part-3, PCC, Cl. No. 6.11, Page 28	Disorderly Conduct	In case, deployment of a Special Police Force becomes necessary at or near Site, during the tenure of Works, the	If the Special Police Force is deployed for no fault of the Contractor, then the cost shall be borne by employer. Request to amend this clause accordingly.	Tender condition prevails

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			expenses for the same shall be borne by the Contractor.		
318.	Part-3, PCC, Cl. No. 13.3, Page 45	Variation Procedure	Whole Clause	We understand that in case of omission of part scope of the contractor, the contractor shall be compensated with loss of opportunity. Request you to confirm.	Tender condition prevails
319.	Part-3, PCC, Page 61	P&M Advance	Interest free , up to 6% of Contract Price	Request you to increase this to 10% of Contract Price as being followed by other Urban Metro Projects	Please refer corrigendum - S. No. 24
320.	Part-3, GCC	General		There is no indication of Provisional Payment against material at site. Request you to include this clause as this will ease the cash flow during execution Request you to consider the above as Material advance clause as is available in most of the Metro contracts like DMRC, MMRC, MMRDA, AMRC.	Please refer corrigendum - S. No. 23
321.	Part-3, Clause 14.7, GCC, Page 73 of 103	Interim Payment	Payment of the amount certified in Interim Payment Certificate within 56 days after the engineer receives the statement and supporting documents	Request you to modify the clause as following which is being followed in other urban metro projects. Interim Payment : 80% of the Interim amount after preliminary scrutiny and certification by the engineer within 7 days from the date of submission of Interim payment application. Balance 20% within 28 days from the date of certification (Issue of IPC).	Please refer corrigendum - S. No. 21
322.	Part-3, Clause 14.8, PCC, Page 63	Delayed Payment	This clause is deleted	Request you to include this clause in the contract document, as the contractor's interest is not safeguarded. In case of delayed payment, the Contractor shall be given the interest at the State Bank of India prime lending Rate plus 2% (simple	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				interest) per annum or 12% (simple interest) per annum whichever is higher.	
323.	Part 3, Section X, PCC	Clause no. 13.8, Adjustment for change in cost	Price variation is not applicable for preliminaries, Architectural Finishing and Hard Landscaping Works for Stations (Price Centre H, I & J) and lump sum (miscellaneous) provision (Price.....)	We request you to allow the price variation for all the pricing centers including N. This is as applicable in other metros' like CMRL having the same price centers with price escalation on all price centres.	Please refer corrigendum - S. No. 19
324.	Part 4	Reference Documents		Please provide all the of the reference documents. Some sections are missing in the provided document.	Please refer corrigendum - S. No. 43
325.	Part 4			Please provide the Geofactual report (which should include borelogs, water level and rock mass classification) for the Package 2, as in the absence of it properties cannot be derived, which would facilitate our base tender design.	Please refer corrigendum - S. No. 41
326.	Part 4, Section XIII	Geotechnical Interpretative report (PML1-IC-GP-UGC-0232 to PML1-IC-GP-UGC-0235)		As per GIR the boreholes are shown to be cored up to a depth of 30m whereas in tender drawing geotechnical profile some boreholes are shown upto 15 m only. Please confirm the discrepancy in the data.	Please refer corrigendum - S. No. 41
327.	General	Tunnel	Maximum limit for Hoop reinforcement in Tunnel segment	Clarify if any maximum limit for Reinforcement is required based on the temperature criteria.	It is part of bidder's design scope of work
328.	General	Tunnel	Portal beam in tunnel retrieval location	Kindly clarify whose scope is the design and construction of tunnel portal beam including connections, waterproofing etc for TBM retrieval of package P1UG-01 towards PCMC End. Please clarify and provide the drawings accordingly.	Tender condition prevails.
329.	General	Tunnel	ROCS Bolt supply and installation	Kindly clarify which contractor scope of ROCS bolt supply and installation.	It is under scope of current tender.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
330.	General			Kindly clarify the nosing loading to be consideration	Tender condition prevails
331.	General			There is no detail of the observed water level in the documents. Please provide the data while doing tender boreholes.	Please refer corrigendum - S. No. 41
332.	General			Please provide the Meteorological data for the past 50 years to check ground water level.	Available informations are provided in Tender document, and is only for reference, Requirement of detailed information if any shall be collected by the bidder from concerned departments.
333.	General			It is our understanding that soldier pile can also be used as part of temporary structures. Please confirm.	No.
334.	General			It is our understanding that all the stations would be constructed by Bottom up method. Kindly confirm.	It is part of bidder's scope of work
335.	General			Kindly confirm if there is any limitation on the use of anchors for the temporary excavation support.	Tender condition prevails
336.	General			Please provide the maximum lateral deformation for Temporary retaining structure.	It is part of bidder's design scope of work
337.	General			Please clarify the basis for Pile termination criteria for temporary retaining structure.	It is part of bidder's design scope of work
338.	General			Kindly confirm whether Closure of wall cut-outs with fire sealants for other system interface contactors like (ECS, TVS, PST, S&T,AFC etc.) is under scope of civil contractor or respective system interface contractor	Closure of wall cut-outs with fire sealants for other system interface contactors like (ECS, TVS, PST, S&T,AFC etc.) is under scope of civil contractor
339.	General			Does lightening arrestor required for all vent shafts, fire fighter/ fire-man staircase kindly confirm?	Detailed design shall be provided by Employer. Please follow BOQ.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
340.	General			Kindly clarify the nosing loading to be consideration	Tender condition prevails
341.	General			Bidder request client to share MEP design drawings for stations, tunnels, cut & cover locations (preferably AutoCAD).	Detailed design shall be provided by Employer. Please follow BOQ.
342.	General			Bidder request client to confirm whether BS or IS standards to be considered for all fire-fighting/fire-alarm equipment and its accessories	Tender condition prevails.
343.	General			Bidder request client to confirm any isolated/standalone RO purifier to be given for drinking water arrangement or centralized RO plant to be fixed in the pump room	RO Plant to be supplied for Drinking water. Location to be finalized during detailed design.
344.	General			Bidder request client to confirm whether any solar panels or solar provisions to be considered in MEP scope of work.	Not envisaged.
345.	General			Since for Pricing Center from H to M is on BOQ based, in case any changes in future due to any specifications or any addition in items/change in technical specification, will the contractor be compensated accordingly.	Yes.
346.	General			As per section VI - Employer requirement section - B Functional, all MEP related works had been described as "Design, manufacture, supply, install, testing and commissioning of MEP systems", however in the given MEP BOQ (Part 1 - Bidding Procedures, Section IV b - Pricing Document) it was described as "Supply, Installation, and Testing & Commissioning of MEP systems".	Please refer corrigendum - S. No. 49.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				Bidder seeks clarification whether the Employer will do MEP designs and bidder shall consider costing only for Supply, Installation, Testing & Commissioning of MEP systems with given BOQ, else bidder has to take the complete costing of Design, manufacture, supply, install, testing and commissioning of MEP systems while quoting on MEP BOQ.	
347.	General			Does P1UGC-02 contractor need to run cable trays, cables and earthing requirement for TVS jet fans located at cut & cover portion or this shall be under TVS contractor scope.	UGC -02 Contractor has to provide cable trays and earthing arrangements for TVS system till the room. Internal cable trays will be in TVS Contractor's scope. Please refer corrigendum.
348.	General		Tree Cutting	Request you to provide us the status of "Tree Cutting permission approval. Also please confirm any delay in the permission for the tree cutting, then suitable Time extension will be provided along with cost compensation.	Tender condition prevails.
349.	General			As noted across the BOQ, bidder is required to consider the items not mentioned in the BOQ but required as per the specification in the quoted rates. To ensure equal level of bidding by the bidders, please do share the updated BOQ considering the items mentioned in the specification but missing in the BOQ provided.	Please refer the updated BOQ in the corrigendum - Annexure 10.
350.	Section VI (Functional)	B2 (2) (a)	Further , the E & M equipment in the tunnel such as Tunnel Lighting, Illuminated Tunnel Evacuation Signage System (ITESS) / Cross Passage Evacuation System (XPES) sub circuit	Bidder understand from this clause that any MEP services/items (Electrical, Plumbing, Fire-fighting, Fire-alarm, M&E SCADA, etc.) in tunnel from civil court station boundary ch: 12947.50 to ch: 13473.75 is under UGC-	Please refer the revised drawing in corrigendum for further clarity - Annexure 12.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			wiring , Tunnel fire hydrants etc. are fed to half the length of the tunnel from either station in order to reduce the voltage drop / pressure loss and hence the Contractor shall have interface with the adjacent Civil contractor at Budhwar Peth station i.e. with the contract package UGC-02 (Design and Construction of Underground Stations at Budhwar Peth, Mandai and Swargate and Tunnels from Budhwar Peth to Swargate station). Cables and pipes from the tunnels (north of Budhwar Peth station) shall need to run upto the distribution board / pumps etc. which are well inside the Budhwar Peth Station to be designed and constructed by the UGC-02 Contractor. Interfacing related to routing, spacing etc. between the two adjacent contractors are critical; and	<p>01 contractor's scope and from ch: 13473.75 to ch: 14000 is under UGC-02 contractor's scope.</p> <p>Also the electrical load, seepage water capacity, fire water capacity etc. shall be divided 50-50 % between UGC-01 & UGC-02 contractor.</p> <p>Kindly clarify as the bidder found ambiguity between tender drawing No: PML1-IC-GA-IRF-0079 to Section VI, B(2)(a)</p>	
351.	General			Bidder request you to confirm the tunnel fire hydrant spacing (distance between two hydrants) as BOQ was prepared by Client.	Please follow IS Codes.
352.	Section VI (Functional)	B8 (3)	The scope of the Contractor also includes the LV switch board (including built-in clean agent based trace tube type panel flooding system) in Auxiliary Substations at both ends of the stations including Power factor correction equipment for U/G Stations, Incoming power supply arrangement from the secondary of the Transformer in ASS to the	Bidder request client to confirm LV switch board (including built-in clean agent based trace tube type panel flooding system) in Auxiliary Substations at both ends of the stations including Power factor correction equipment for U/G Stations is under civil contractor or TVS/ECS contractor or PST contractor scope.	The electrical panels supplied under this contract shall only be considered in scope for clean agent panel flooding.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			respective LV switchboards through bus ducts /cables.		
353.	General			Bidder request client to share MEP design drawings for stations, tunnels, (preferably AutoCAD) as to cross check with the given BOQ.	Design shall be provided by Employer during Detailed design stage. Please follow BOQ.
354.	General			Bidder understand that contractor is free to consider any makes (with the employer approval)	Type tested and time-tested equipment to be proposed for Employer's approval as per the specifications of the tender.
355.	General			Bidder request client to confirm any isolated/standalone RO purifier to be given for drinking water arrangement or centralized RO plant to be fixed in the pump room	RO Plant to be supplied for Drinking water. Location to be finalized during detail design
356.	General			Bidder request client to confirm whether any solar panels or solar provisions to be considered in MEP scope of work.	Not envisaged.
357.	General			Since this is an item rate contract, suppose in future if there is any addition on items/change in technical specification, will the contractor be compensated accordingly.	Yes.
358.	Section VII- Outline Design Specifications S.05	5.4.1.1(point 2)	Low Voltage switchboards: Distribution boards, load centre, etc. Main Normal power Switchboards, Main Emergency power switchboards and Capacitor panels inside the Auxiliary Substation (ASS), APFC, Capacitor Bank are excluded from the scope of this contract	Bidder understand that Sub main distribution boards (SMDB) and Distribution boards (DB) mentioned under Section IV b pricing document are only covered under scope of supply of civil contractor. Please confirm.	The panels mentioned in BOQ are under the scope of this contract.
359.	Section VII- Outline Design Specifications S.05	5.4.3.2(Page 16)	.....Full size neutral cables shall be provided for the power Cables connecting to sub-main low voltage switchboards.....	Bidder understands that civil contractor shall provide Full size neutral cables for all Sub main distribution boards and distribution boards only.	The panels mentioned in BOQ are under the scope of this contract and contractor has to provide Full size neutral cables for all these panels.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				Any Main Distribution boards and Essential/Emergency Distribution boards, Very Essential Distribution board, Automatic Transfer Switch (ATS), APFC (capacitor Panel) neutral cables shall be under others scope.	
360.	Section VII- Outline Design Specifications S.05	5.4.3.11(Page 34)	Cable Main Containment (ducts/Trays/Ladders etc.) in concourse, Mezzanine (where applicable) and platform/Track areas/station under-croft areas (Public and Non Public), tunnel (including cross passages) and ancillary buildings etc. for namely signaling and Telecom, PSD, AFC, Lifts and Escalators, OHE/PS , TVS , ECS etc. shall be provided by the Contractor along with the cable containments for Station building services (all E&M works) except inside the respective plant/equipment rooms. . However, the following shall be provided by the respective Interfacing Contractors (System wide Contractors) and not by the Contractor: (1) Cable containments for connection to the isolated and individual equipment. (2) Cable containments within each plant/equipment room.	Bidder understand that scope of supply of cable containments up to top level wall opening (enclosed by fire sealant) of the plant/equipment/any system rooms is covered under the civil contractor scope of works. However further cable trays if any from the wall opening till equipment or inside the plant/equipment/any system room is under the scope of supply of respective system contractors. Please confirm.	Understanding is correct.
361.	Section VII- Outline Design Specifications S.05	5.4.3.13(Page 36) (Page 41)	1. ....False ceiling may not be provided in some public areas and lighting booms might be proposed with integrated cable trays.... 2. ....Emergency lighting luminaires shall, wherever possible, be fluorescent	1. Kindly confirm whether any aesthetic encasing or special arrangement on cable tray to be provided by civil contractor in public area to avoid tray visibility.	LED type lighting to be considered.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			type for superior lamp life and lumen output. This includes linear lamps in conventional fluorescent luminaires and TCD lamps in down lights....	2. As per Section VII - Outline Design Specifications S.07- General Site Planning and design, clause: 7.5.1.1(1) energy efficiency to be maintained, during Green building points achievement by the bidder this point may be found as hindrance to achieve platinum level. Request to consider and change emergency lighting to LED type.	
362.	Section VIII- Outline Construction Specifications S.04	4.4.2.1(Page 16)	The scope of Low Voltage electrical distribution commences from the outgoing cables From the feeders of the Main LV Switchboards.	Scope of supply of cables and its termination between Main distribution boards/Essential Main distribution board and SMDB/DB only is covered under civil contractor scope of works. However cabling between Transformer to MDB, MDB to ATS and ATS to Essential Main distribution Board is not covered under the civil contractor scope of works. Please confirm. Bidder request client to share a detailed schematic on the scope demarcation for better understanding.	Bidder's understanding is correct. Refer to the drawing in corrigendum - Annexure 12
363.	Section VIII- Outline Construction Specifications S.04	4.4.2.3(Page 17)	....The connection between the Auxiliary Transformers and the Main LV Switchboard will be a power cable/busway distribution system....	As per Tender drawing PML1-IC-GA-IRF-0086 bidder understands that bus bars and its supports required between Transformers to Main LV panels shall be under others scope.	Understanding is correct.
364.	Part 1 - Bidding Procedures Section IV b - Pricing Document	Price Centre K : PART-A - S.No:E.09 Price Centre L : PART-A - S.No:E.09	Supply, Installation, Testing and Commissioning of 2 x 80KVA, True Online Double Conversion, Parallel Redundant, 3 Phase AC Input & 3 Phase AC Output, UPS System having an Ingress protection Rating of IP 33.	1. Bidder understand any deviation from this UPS rating and specification shall be compensated by client to bidder. 2. The load to be considered shall be only of Section VII - ODS S.05- E&M Works -	Please follow BOQ.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
		Price Centre M : PART-A - S.No:E.09	2 sets SMF VRLA battery each having 30 minutes back up time at full load with interconnecting cables, racks and standard accessories (2V Cells with 20 Years Design life).	Station Utilities, clause:5.4.3.2 load category No -3 As per Section VIII- Outline Construction Specifications S.04, 4.4.5.5.8 (point 3) (page 46) - kindly confirm whether it is 1.75v or 2v battery cells.	
365.	Section VIII- Outline Construction Specifications S.04	4.4.10.4.2 (point 2) (Page 83)	1. LED lights to be provided shall be of energy efficient, high efficacy type (> 100100 lumen/watt) 2. Total harmonic distortion of input current (THDI) < 1010% and conforming to IEC 61000-3-2	1.Bidder not clear with the efficacy value 2.Bidder not clear with the THD value	Please refer corrigendum - S. No. 55
366.	Section VIII- Outline Construction Specifications S.04	4.4.12.2 (Page 87) 4.4.12.5 (Page 91)	1. ....The grounding and lightning protection system shall comply with the following codes and standards... iv) IS: 2309 Amendemnt-1..... 2. The entire installation shall be tested in accordance with the Indian Standard Code (IS 2309)	Bidder requests to confirm the validity of IS 2309 Amendment as it is superseded by IEC-62305	Please refer corrigendum - S. No. 56
367.	Section VIII- Outline Construction Specifications S.04	4.4.12.4 (Page 88)	....Earth lead shall be bare copper or galvanized steel as specified with sizes. Strip earthing leads shall be of copper/GI or GS....	Bidder requests to confirm the usage of earthing lead (Copper or GI or GS) as being item rate contract costing to be considered accordingly.	Refer corrigendum for revised BOQ - Annexure 10
368.	Section VIII- Outline Construction Specifications S.04	4.5.10.2 (Page 151)	Control wire in the motor control centre shall be flexible annealed copper wire 600V Flame Retardant Low Smoke Zero Halogen, PVC insulated cables	As PVC insulated cable is not included in LV cable Component (Clause 4.4.8.5), Bidder request to confirm whether it is PVC or XLPE insulated with FRLSZH sheathing.	Please refer corrigendum - S. No. 62.
369.	Section IV b Pricing Document	Price Centre K :PART-A- S.No:E.08 Price Centre L :PART-A - S.No:E.08 Price Centre M	The Earthing and Lightning Protection System specified herein, must conform to relevant Section of the M & W Specifications, in addition to the description given in respective items of BOQ, whether explicitly specified or not. In case of contradiction between M	Bidder found no information regarding Lightning protection system in Section IV b Pricing Document. Kindly clarify the scope of supply of the same.	Refer corrigendum for revised BOQ - Annexure 10

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
		:PART-A - S.No:E.08	& W specifications and description in BOQ, the most stringent of the condition will prevail.	Kindly clarify scope of supply of Earth pits and accessories (Cu/ GI plate electrode, bolts, etc.) for transformer, Lift, Escalator etc.,	
370.	Part 1 - Bidding Procedures Section IV b - Pricing Document	Price Centre K :PART-A - S.No:E.10 Price Centre L :PART-A - S.No:E.10 Price Centre M :PART-A - S.No:E.10	2000 KVA (comprising of 2 DG sets of minimum 1000 kVA capacity each).	Bidder understand any deviation from the mentioned DG rating and specification shall be compensated by client to bidder.	Refer corrigendum for revised BOQ - Annexure 10.
371.	Section IV b Pricing Document	Price Centre K :PART-A - S.No:E.08 Price Centre L :PART-A - S.No:E.08 Price Centre M :PART-A - S.No:E.08	All the items / parts mentioned in relevant clauses of the M & W specifications and not specifically mentioned in BOQ shall be deemed to be included in the quoted rates, unless specifically excluded.	Request the client to specify the items not specifically mentioned but to be included in the quoted rates to provide an equal basis for bidding to all contractors. Hence do share the updated BOQ considering the items mentioned in the specification but missing in the BOQ provided.	Refer corrigendum for revised BOQ - Annexure 10.
372.	Section IV b Pricing Document	Price Centre K : PART-A - S.No:E.08.1 Price Centre L : PART-A - S.No:E.08.1 Price Centre M : PART-A - S.No:E.08.1	Supply, laying, testing and commissioning of 20 mm dia Cu rod for earth mat (at 500mm or deeper as per the final approved design as per the site condition) as per specifications including lap (of not less than 150mm) & cross braced joints and providing g bitumin coat at every joint as required. Risers from earth mat to be brought out as per approved drawings and specifications. (Cost of risers not included in this item).	As per drawing PML1-IC-GA-EL-0011, depth of burial is 300mm. However as per BOQ, 500mm is mentioned. Please clarify. Bidder assumes that Copper /GI strip and insulated cables mentioned under item number E.08.2 d to E.08.2 q is applicable for earthing of both Normal Earth Mat and Clean Earth Mat system components. Please confirm. Kindly clarify whether Exothermic welding or bracing to be done for the jointing of conductors in earth mat.	Refer corrigendum for revised BOQ - Annexure 10.
373.	General			There is no M&E SCADA BOQ available	M&E SCADA is excluded from this contract.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				Kindly confirm what is the Safety integrity level to be followed in M&E SCADA Bidder understand M&E SCADA scope is limited to tender drawing No: PML1-IC-GA-IRF-0074	Contractor must provide the field data up to Interface Device as per revised drawing No: PML1-IC-GA-IRF-0074-R1 in corrigendum, Annexure 12.
374.	General			As noted across the BOQ, bidder is required to consider the items not mentioned in the BOQ but required as per the specification in the quoted rates. To ensure equal level of bidding by the bidders, please do share the updated BOQ considering the items mentioned in the specification but missing in the BOQ provided.	Refer corrigendum for revised BOQ - Annexure 10.
375.	General			It is noted that electrical detailed design and load flow study is under this package bidder scope while the Design, manufacture, supply, install, testing and commissioning of main distribution & emergency distribution (including ATS, APFC) is under TVS/ECS contractor scope. Request to reconfirm the scope with regard to this package.	Understanding is correct.
376.	Section VIII - Outline construction Specifications S.04	4.4.10.1	.....The Contractor shall engage a specialist lighting system consultant for carrying out a detailed review of the lighting design proposed by the Contractor in order	Bidder assumes that scope of work of civil contractor is limited to only supply and erection of Light fittings as per the BOQ and Layout which may be provided to the successful bidder. Hence please clarify the requirement of appointing third party consultant for review of design of Lighting System.	Detailed design will be provided by Employer. However contractor has to validate the lighting designs provided by Employer.
377.	Section IV b Pricing Document	Price Centre K : PART-A - S.No: F19.04, F19.05	Supplying, Laying, Termination, Testing & Commissioning of Fire Survival Cables (confirming to BS: 7846 and specifications for performance	Kindly confirm whether the cables to be laid inside the conduit or not.	Fire Survival cables to be laid inside conduit.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
		Price Centre L : PART-A - S.No: F19.04, F19.05 Price Centre M : PART-A - S.No: F19.04, F19.05	requirements of Fire Survival Cables) armoured, 1 pair 2.5 sq.mm, Screened / shielded, Copper conductor (one pair shielded and one pair unshielded) cable or Mineral Insulated cable complying the CWZ category. Supplying, Laying, Termination, Testing & Commissioning of Fire Survival Cables (confirming to BS: 7846 and specifications for performance requirements of Fire Survival Cables) armoured, 1 twisted pair 1.5 sq.mm, Screened / shielded copper conductor cable or Mineral Insulated cable complying the CWZ category for looping of detection units etc.		
378.	Section IV b Pricing Document	Price Centre K :PART-A - S.No: E.01.13 Centre L : PART-A - S.No: E.01.13 Centre M : PART-A - S.No: E.01.13	From DG Panel to Main Distribution Board	Bidder understand that referred DG panel is the one connected between DG and Emergency Main Distribution board as per the drawing no. PML1-IC-GA-EL-0015. With respect to that please clarify the following <ol style="list-style-type: none"> 1. Requirement of 3200A ACB 2. As per drawing, 2nos. of Circuit breaker namely CB10 and CB9 is connected to respective DG. Bidder assumes that same is equivalent to 2nos. of 1600A ACB incomer mentioned under E.01.13 B. 3. Requirement of 2nos. of 400A MCCB and 2nos. of 160A MCCB outgoing feeders. DG Outgoing panel, including ATS and 3nos. of outgoings, connected to upstream CB10	Refer corrigendum for revised BOQ - Annexure 10.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				and CB9 as per drawing PML1-IC-GA-EL-0015 is not covered in BOQ. Please clarify.	
379.	Section IV b Pricing Document	Price Centre K :PART-A - S.No: E.01.13 Centre L : PART-A - S.No: E.01.13 Centre M : PART-A - S.No: E.01.13	From DG Panel to Main Distribution Board	Please clarify whether the cabling from DG Panel to EMDB is covered under civil contractor scope or not. If yes, kindly confirm whether the above cables are covered under clause no : E.03 of Price Centre K, L, and M.	Yes. Cabling from DG Panel to EMDB is in this contract's scope. Please refer corrigendum for revised BOQ - Annexure 10
380.	Section IV b Pricing Document	Price Centre K :PART-A - S.No: E.07.9 Centre L : PART-A - S.No: E.07.9	Providing and fixing thermo plastic poly carbonate pole boxes confirming to IP-65 Degree of protection, along with 16A MCB and 5 way connector and 2 No. cable gland suitable for 4x25 sq.mm cable.	Bidder assumes that Junction box quantity is not matching with the number of poles given in the BOQ. Hence please confirm the quantities to be considered.	Refer corrigendum for revised BOQ - Annexure 10.
381.	Section IV b Pricing Document	Price Centre K : PART-A - S.No: E.09 Centre L : PART-A - S.No: E.09 Centre M : PART-A - S.No: E.09	Two sets of SMF VRLA battery each having 30 minutes back up time at full load with interconnecting cables, racks and standard accessories (2V Cells with 20 Years Design life).	Bidder understands two set of UPS system each consists of 1x100% 80kVA UPS and 1x100% SMF battery bank. Please confirm. In addition, as per drawing number PML1-IC-GA-EL-0015, UPS rating is mentioned as 60kVA whereas in pricing document the same is mentioned as 80kVA. Please confirm.	Bidder's understanding is correct. UPS Rating is 80 KVA. Please refer corrigendum for revised BOQ - Annexure - 10.
382.	Tender Drawings	PML1-IC-GA-EL-0013		With respect to drawing no. PML1-IC-GA-EL-0013, Bidder found no information regarding Central Lighting Control panel(CLCP), Lighting Control Panel(LCP) in Section IV b Pricing Document under Price Centre K,L, and M. Kindly clarify the scope of supply of the same.	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
383.	Tender drawings	PML1-IC-GA-EL-0015		As per drawing no. PML1-IC-GA-EL-0015, 2nos. of ATS switch is shown before EMDB. However the same is not mentioned in Section IV b Pricing Document - Price Centre K, L and M. Hence kindly clarify the scope of works of ATS and the associated cabling between the same.	Please refer corrigendum for BOQ and drawings - Annexure 10 & 12.
384.	Section IV b Pricing Document	Price Centre K :PART-A - S.No: E.01 Centre L : PART-A - S.No: E.01 Centre M :PART-A - S.No: E.01		As per the Section IV b Pricing Document, ATS is mentioned for following panels: E.01.1, E.01.2, E.01.10, E.01.11, and E.01.12. Whereas the ATS is not shown for the same in drawing number PML1-IC-GA-EL-0015. Please confirm.	Please refer corrigendum for BOQ and drawings - Annexure 10 & 12.
385.	Tender drawings	PML1-IC-GA-EL-0007		Please clarify the scope of supply of Fire rated material to be inserted in cable trays. If yes, please provide the BOQ.	Fire rated sealant for the cable containment provided in this contract is covered under the scope of this contract.
386.	Section IV b Pricing Document	Price Centre K :PART-A - S.No: E.03 Centre L : PART-A - S.No: E.03 Centre M :PART-A - S.No: E.03		Bidder understand that all type of cables shall be of XLPE insulated. However Inner and Outer sheath shall be of "Low smoke Zero halogen" type. Please confirm.	Please refer corrigendum - S. No. 62.
387.	Section IV b Pricing Document	Price Centre K :PART-A - S.No: E.04 Centre L : PART-A - S.No: E.04 Centre M :PART-A - S.No: E.04		Kindly provide the Average length of the Points against each item to be quoted. In addition bidder understand that only scope of supply of Cu flexible wires are covered under point wiring. However conduits are not covered under same. Please confirm.	Lighting points shall include Copper cables and its containment.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
388.	Section IV b Pricing Document	Price Centre K :PART-A - S.No: E.08.2 Centre L : PART-A - S.No: E.08.2 Centre M : PART-A - S.No: E.08.2		Kindly provide the Clean Earth mat dimensions or drawing to enable bidder to quote. Please note that both the drawings PML1-IC-GA-EL-0012 and ML1-IC-GA-EL-0011 are referred as Typical Earth Mat Schematic. Please clarify.	Please refer corrigendum for Revised BOQ - Annexure 10.
389.	Section VII - S.05	5.6.1.2	The responsibilities of the Contractor shall be as follows but not limited to: B. Public Address/Public Information display & Voice Alarm System I. Automatic Doors /Access control J. PSD K. HV Power Supply SCADA L. M&E SCADA M. TVS SCADA	Bidder presumes that systems such as Public Address/Public Information display & Voice Alarm System, PSD, CCTV system, Access Control system, TVS & ECS systems, M&E SCADA, HV power supply SCADA are not in scope of this contract. Employer to confirm.	Bidder's understanding is correct, necessary provision for interface with these systems is under this contract.
390.	Section IV B Pricing document & Section VII - S.05	Part-B, F.21 5.6.2.3	Supply, installation, testing and commissioning of SCADA/ control system network etc., for VESDA system including of PCN network cabling etc. VESDA system (Very Early Smoke detection & Alarm)	Bidder presumes that the supply of SCADA for VESDA system is not part of this contract. Only necessary network interface provision with M&E SCADA shall be provided on VESDA systems. Employer to confirm the same.	All the requirement for complete functioning of VESDA system including interface required for M&E SCADA in under this contract.
391.	Section VII - S.05	5.6.2.18	Fire Fighter telephone: Minimum features requirements provided for fire fighter telephone	The location requirement of fire fighter telephone is not mentioned in Outline design specification (ODS) and it is not covered anywhere in Part-I Section IV B - Pricing Schedule and Financial Bid. Hence, Bidder understands that the scope of fire fighter telephone arrangement is not in bidder scope. Kindly confirm.	Relevant codes and fire authority requirements to be met.
392.	Section VII - S.05	5.7.8	Automatic clean gas total flooding system	Bidder's understanding is that the interface of automatic clean gas total	It is under the scope of this contract.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				flooding system to M&E SCADA is not in bidder scope. Kindly confirm.	
393.	Section VII - S.05	5.6.2.2	System Components & General Requirements of The fire alarm system. D. Fire alarm signals shall be sent to M&E SCADA via ITB (Interface Terminal Board)	Interface Terminal Board (ITB) is not considered in the pricing BoQ document. But the same is asked in Outline contraction specification (OCS). Kindly confirm the requirement. Employer shall provide the specification and number of ITBs. ITB's shall be provided at additional cost during detail Engineering.	Supply of Interface Terminal Boards (ITB) is excluded from the scope of this contract.
394.	Section VII - S.05	5.4.3.5.1	Illuminated Tunnel Evacuation Signage System (ITESS) / Cross -Passage Evacuation Signage System (XPRESS)	Bidder presumes that the supply, installation and control of ITESS & XPRESS is not in building civil contractor scope. Employer to confirm.	It is under the scope of this contract.
395.	Section VII - S.05	5.4.3.18	All BMS interface signals shall be wired from respective contacts or terminal to the SCADA interface terminals or port. Serial interface as applicable for ACB/MCCB and digital meter or MFMs shall be strictly on standard protocol communication (preferable with MODBUS-RTU, RS485, 2 wire communication).	As per ODS (Outline Design Specification) & OCS (Outline Construction Specification) all BMS services shall be interfaced with M& E SCADA via hardwired signal or serial interface (MODBUS-RTU, RS485). Bidder understand that the required interfacing cables supply, installation, testing & commissioning is not part of this contract. Kindly confirm.	Cables from field devices to Interface device shall be supplied by Civil contractors, however necessary data and provisions for SCADA to be provided.
396.	Section VII - S.05	5.4.3.3 Equipment for BMS interface, Page 27	Single location interface for different LV components of distribution panel shall be provided through marshaling chamber for BMS interface.	Quantity of Marshaling chamber is not identified in pricing BoQ document. Employer shall confirm that the supply of Marshaling chamber shall be provided at additional cost during detail Engineering.	Cost to be included in this contract.
397.	Section VIII- S.04	4.5.3.3- Centrifugal pump control Serial Number- 11	Instrumentation and Control Panel for Transfer Pump.	Instrumentation control panel for all transfer pump is not considered in the pricing BoQ document. But the same is	All necessary control panels for the pumps to be considered as integral part of the pump set.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				asked in Outline construction specification (OCS). Employer shall provide the specification and number of Instrumentation control panels required. The same shall be provided at additional cost during detail Engineering	
398.	Section IX	Plumbing- Drainage schematic	Control panel for Sewage water pump and it is interfaced with M&E SCADA	The requirement of pump control panel is not considered in pricing BoQ. Nevertheless, it is mentioned in Section IX-Tender drawings. Employer shall provide the specification and number of control panels for swage water pump. The same shall be provided at extra cost during detail engineering. Also Employer shall confirm the type of interface (hardwired or serial link) of Sewage water control panel with M&E SCADA to be considered.	Refer BOQ in corrigendum and the I/O list provided in ODS for reference.
399.	Section IV B	Part-A, Part-B, Part-C	General	The BoQ's which are part of this tender will be provided. If any additional items are required shall be included during detailed engineering stage and provided at additional cost. Employer to confirm.	Yes.
400.	Section VI	Part -II, Section-A, A3	Relevant documents The order of precedence is: □□Design Criteria □□Employer's Requirements □□Indian and other International Standards referenced herein.	Employer to confirm the documents which refer to the 'design criteria', mentioned in the clause.	Tender clause is self-explanatory.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
401.	Section IV B	Part-B, F-19	The Fire Alarm and Detection System specified herein, must conform to Specifications, in addition to the description given in respective items of BOQ, whether explicitly specified or not. In case of contradiction between M & W specification and description in BOQ, the most stringent of the condition will prevail.	The section and description is contradicting the relevant documents to be followed in above query (Part -II, Section-A, A3). Employer to reconfirm the exact order of precedence of documents to be followed for this tender.	Tender condition prevails.
402.	General			Kindly confirm whether MEP necessary spare items are covered in the given BOQ.	Please refer corrigendum for spare list - Annexure 10
403.	General	Work area		The work area available at Budhwarpeth station & Mandai station is not sufficient. We request to provide the at least another 2000 sqm.	Tender condition prevails
404.	General			We are unable to check footprints of stations/ structures w.r.t to land availability. Please confirm in case of further area required for permanent works during the execution / design will be made available.	Tender condition prevails CAD drawings may be obtained from PMRP office for reference purpose only. However Tender drawings (PDF version) shall prevail.
405.	Tender drawing PML1-IC-MND-ARC-0253			As per the contract concourse is the point of safety, but egress from platform to concourse is not possible within 4 minutes as per NFPA 130. Please clarify.	Egress time from platform to point of safety is not required to be 4mins as per NFPA 130, clause 5.3.3.2.
406.	General	Allowable work time		We understand that there will be no working time limitations and we will be allowed to work in both day and night shifts (24X7 Hours) in order to meet the stringent time schedule of the Project .Please confirm.	Yes
407.	General	Clearances		We understand that the employer will obtain Environmental Clearance of the entire project. Please confirm	Tender condition prevails

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
408.	General	Materials specifications		We request you to provide us the location of Quarry if any near the vicinity of the site. Also request you to confirm any special test are to be conducted for the aggregate to be used during construction.	Please refer corrigendum - S. No. 36
409.	General			We understand that the contractor will be compensated for delays due to utility owning agencies, traffic diversion approval, NGT, etc. which are beyond the Contractor's control. Please confirm	Tender condition prevails
410.	General			We request you to provide the status and copy of land Acquisition for the project. If not completed 100% then we request you to provide us the current status and time schedule of land acquisition.	Tender condition prevails. Land parcels will be made available as stated in Appendix 2A.
411.	General			We understand that the demolition of buildings, which are in station area, will be done by the employer in a separate contract. Please clarify and provide time schedule for the same.	Available land details are shown in work area drawings. Also refer to ER, Section B, Clause B2, item iv
412.	Price Variation Formulae			Please confirm the base year to be taken for consideration for Indices.	Tender clauses are self-explanatory.
413.	General			Platform width for Mandai station and Budhwarpeth station is not sufficient. Please clarify.	Basis of query is not clear. Tender Condition prevails.
414.	Section -VII : Outline Construction Specification	S.03 - Tunneling Cl No - 3.5.3 Particular Requirements for TBMs	<i>The cutterhead shall be articulated such that the cutterhead can be retracted from the excavated face and can be turned in any plane so that it is as an angle to the main body. The TBM shield must be capable of negotiating 200 metre radius horizontal curves.</i>	Bidder wants to know wheather in addition to passive articulation, presence of displacement cylinder for retraction of cutterhead will satisfy this clause, Please confirm.	Tender condition prevails.
415.		General		Bidder understands that necessary permission and NOC from the relavant	It is part of bidder's scope of work.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				authorities will be arranged by Pune Metro for Setting up Casting Yard / Batching Plant etc. Please confirm.	Tender condition prevails.
416.		General		Please confirm whether we can follow the latest edition of NFPA for Cross Passage and Tunnel Design.	NFPA 130 2014 edition amended in 2017 to be followed.
417.		General		Bidder seeks clarification on emergency evacuation, whether passengers will be evacuated through track or through platform.	Please refer SOD for Emergency Evacuation process.
418.		General		Bidder requests to provide pre assessment data for the BCS if available with Pune Metro.	It is part of bidder's scope of work
419.		General		The Bidder understands that Pune Metro will arrange all statutory permission from relevant authority to carry out blasting and bidder also understands that blasting is allowed during construction. Please confirm.	It is part of bidder's scope of work
420.		General		The Bidder understands that Pune Metro will arrange all statutory permission from relevant authority to carry out tree cutting. Please confirm.	It is part of bidder's scope of work
421.		General		Bidder understands all the buildings fouling in the alignment will be demolished by Pune Metro and encroachment free land will be handed over from the inception of the contract. Please confirm.	It is part of bidder's scope of work.
422.		General		Bidder understands that the driving sequence and TBM launching options will be according to Contractor's work planning. Please confirm.	Tender condition prevails.
423.		General		During site visit Bidder has noticed that substantial number of buildings / shops are to be demolished in Mandai and	It is part of bidder's scope of work

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				Budhwarpeth Station areas. Bidder also understands that all the buildings shall be demolished by Client and handover the encroachment free land with proper access to site for transportation of material and plant & equipment. Please confirm.	
424.		General		During site visit Bidder has noticed that a canal to be crossed for construction of stabling track after Swergate Station. Bidder request to provide the detail of water data of the same for setting up methodology for TBM tunnel.	Refer, ER, Section VI, B2, item 3 & 4
425.	Part -II : Employers Requirement	Section-IX : Tender drawings		To assess the dimensions and tunnel alignment properly bidder requests to provide all the Auto-CAD files for tender drawings including alignment.	CAD drawings may be obtained from PMRP office for reference purpose only. However Tender drawings (PDF version) shall prevail.
426.	Part -II : Employers Requirement	Section-IX : Tender drawings	<i>Precast Standard Segments</i>	Bidder seeks clarification whether the segment pattern shown in tender drawing can be modified or not. Please clarify.	Please refer S. No. 236 above.
427.	Part -II : Employers Requirement	Section-IX : Tender drawings	<i>Cross Passage</i>	Bidder wants confirmation whether the shape of cross passages shown in tender drawing may be modified as per construction feasibility or not.	Tender condition prevails
428.	Part -II : Employers Requirement	Section-IX : Tender drawings	<i>Running Tunnel Continuous Steel Walkway as per SOD with support minimum every 1200 mm</i>	The walkway support position should be as per the width of precast segment i.e. 1200 mm or 1400 mm or 1500 mm or whatever the width will be as per segment design. Please confirm.	Please refer corrigendum - S. No. 86 for revised drawings
429.	Part -II : Employers Requirement	Section-IX : Tender drawings	<i>NATM Tunnel</i>	Bidder wants confirmation whether the shape of NATM section shown in tender drawing may be modified as per construction feasibility or not.	As long as there is no compromise with the structural stability and SOD requirements the section can be modified

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
430.	Part -II : Employers Requirement	Section-IX : Tender drawings	Emergency Egress Shaft	Bidder requests to indicate the position of Emergency Egress Shaft on the proposed alignment on the alignment drawing.	This query is not related to UGC-02 Package
431.	Section - VI : Employers Requirement	Section D - Construction Attachment D1	Contractor's Labour Camp	No land has been proposed for setting up of Labour Camp. Please confirm that at least 10,000 sqm temporary area will be provided for setting up of Labour Camp by MAHA METRO at free of cost.	Tender condition prevails.
432.	Section - VI : Employers Requirement	Section D - Construction Clause No. D3 - The Site (18)	Casting Yard	No land has been proposed for setting up of Casting Yard / Batching Plant. Please confirm that at least 35,000 sqm temporary area will be provided for setting up of Casting Yard / Batching Plant at free of cost.	Tender condition prevails.
433.	Section - VI : Employers Requirement	Section D - Construction Clause No. D3 - The Site (24)	Disposal of Excavated Material (muck/spoil from tunneling and station excavation)	Bidder understands that the Contractor is authorized to handover the excavated tunnel muck to any other third party. Please confirm.	Yes. Refer ER, Section VI, D-Construction, Clause D3 - item (24)
434.	Part-1 : Bidding Procedure	Section -III : Eligibility & Qualification Criteria 8. Plant & Machinery	<i>Tunnel Boring Machines(New) (Machine shall be capable of changing from open to close mode) Numbers Required - 02 Nos.</i>	Bidder wants confirmation whether the Refurbished TBM at Manufacturer's Workshop is acceptable for this project. Please confirm.	Please refer corrigendum - S. No. 3
435.	Section - VI : Employers Requirement	Appendix 2B - Contract Key Dates & Completion Dates Tunnel Key Dates - KD 7A	<i>TBM 1 Arrival at Mandai Station (Drive Swargate to Mandai) - 679 days</i>	Looking at difficulties in execution of the work, the bidder requests to extend the key dates by 120 days. Please confirm your acceptance.	Please refer corrigendum - S. No. 33
436.	Section - VI : Employers Requirement	Appendix 2B - Contract Key Dates & Completion Dates	<i>TBM 2 Arrival at Mandai Station (Drive Swergate to Mandai) - 714 days</i>	Looking at difficulties in execution of the work, the bidder requests to extend the key dates by 120 days. Please confirm your acceptance.	Please refer corrigendum - S. No. 33

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
		Tunnel Key Dates - KD 7B			
437.	Section - VI : Employers Requirement	Appendix 2B - Contract Key Dates & Completion Dates Tunnel Key Dates - KD 98	<i>TBM 1 Arrival at Budhwarpeth Station (Drive Mandai to Budhwarpeth) - 1001 days</i>	Looking at difficulties in execution of the work, the bidder requests to extend the key dates by 90 days. Please confirm your acceptance.	Please refer corrigendum - S. No. 33
438.	Section - VI : Employers Requirement	Appendix 2B - Contract Key Dates & Completion Dates Tunnel Key Dates - KD 8B	<i>TBM 2 Arrival at Budhwarpeth Station (Drive Mandai to Budhwarpeth) - 1036 days</i>	Looking at difficulties in execution of the work, the bidder requests to extend the key dates by 90 days. Please confirm your acceptance.	Please refer corrigendum - S. No. 33
439.	Section - VI : Employers Requirement	Appendix 2B - Contract Key Dates & Completion Dates Tunnel Key Dates - KD 9	<i>Achieve substantial completion .....1064 days</i>	Looking at difficulties in execution of the work, the bidder requests to extend the key dates by 90 days. Please confirm your acceptance.	Please refer corrigendum - S. No. 33
440.	Section - VI : Employers Requirement	Appendix 2B - Contract Key Dates & Completion Dates Tunnel Key Dates - KD 10	<i>Achieve substantial completion of cross passages and provide access to Interfacing Contractors - 1183 days</i>	Looking at difficulties in execution of the work, the bidder requests to extend the key dates by 90 days. Please confirm your acceptance.	Please refer corrigendum - S. No. 33
441.	Section-VI_Employer Requirement_ Section B_Functional	B2_Scope of Works, Clause-1,(xxxii) to (lxxiv)	<i>Design, Manufacture, supply, install, testing and commissioning of</i>	Bidders understands that all MEP design works is under the Scope of MAHA METRO and work shall be executed on remeasured basis based on BOQ provided in the tender document.	Employer will provide the designs for Architectural finishes and MEP works.
442.	Section-VI_Employer Requirement_	B2_Scope of Works, Clause-1,(lxxxi)	<i>Architectural works at Stations including finishes to Civil Works structures at each station for</i>	Bidders understands that all Architectural/ Finishing works design is under the Scope of MAHA METRO and work shall be	Employer will provide the designs for Architectural finishes and MEP works.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	Section B_Functional		<i>passengers, operating staff and equipment housing (such as screeding, lockwork, doors/fire doors, floor & wall finishes including handrails & balustrades etc. complete in all respects) and as per the Contract stipulations; and</i>	executed on remeasured basis based on BOQ provided in the tender document.	
443.	Part-II_Section VII_Outline Design Specification	Clause 2.2 Design Principles_d	<i>All dewatering and groundwater cut-off systems required to maintain dry and stable conditions within all excavations required for these Works.</i>	Bidder requests clarification whether well point dewatering is permissible or not.	Tender condition prevails.
444.	Part-II_Section VII_Outline Design Specification	Clause 2.3 Excavation Support_1_a_v	<i>The Contractor shall prepare and submit to the Engineer for Notice of No Objection a detailed Design Report including calculations schedules and drawings for each proposed excavation support wall construction, prior to the commencement of any such works. This Design Report shall take into..... v) Seismic and /or vibratory loads</i>	Bidders wants confirmation whether seismic condition is mandatory for temporary structures or not.	Refer ODS, Section VII, Clause 3.2.1 (8)
445.	Part-II_Section VII_Outline Design Specification	Clause 2.3 Excavation Support_2_c	<i>Where the excavation in hard ground, i.e. rock, is involved the Method Statement shall be prepared in accordance with Outline Construction Specification - Civil and structural Works, if blasting is permitted. There may be certain locations along the alignment, where blasting shall not be permitted. The Contractor shall propose alternative methods (other than blasting) for excavating hard ground at such....</i>	Please confirm the location in the alignment where blasting for the excavation will not be allowed.	Refer ODS, Section VII, S.02, Clause 2.3, item 2C.
446.	Part-II_Section VII_Outline	Table 2.2 Cover and	<i>Load bearing Walls</i>	Please confirm whether crack width criteria for the external load bearing wall	Yes

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	Design Specification	Crack Width Criteria		shall be same as in the base wall (face contacted with ground)	
447.	Part-II_Section VII_Outline Design Specification	Clause 2.9 _ Design Ground Water Levels	<i>The groundwater levels to be assumed in design for various stages or conditions shall be as follows:. "Construction" - groundwater level at measured maximum elevation plus 1.5m. "Service/Operation" - Maximum flooding level at 1 in 50 years plus 1.0 m. "Accidental" - groundwater level at ground level "Extreme" - Maximum flooding level at 1 in 50 years plus 2.0m</i>	Bidders requests to provide Maximum flooding Level at 1 in 50 years for the project	Refer ODS, Section VII, S.04, Clause 4.6.3.
448.	Part IV - Reference Documents - Section XIII - Geotechnical Interpretive Report			Water table in boreholes not provided. Please provide.	Please refer corrigendum - S. No. 41 & 42
449.	Part IV - Reference Document			Please provide GFR - Geotechnical Factual Report for our information.	Please refer corrigendum - S. No. 41 & 42
450.	Part-II_Section VII_Outline Design Specification	Clause 2.7.16	<i>The temporary structure shall allow for the effects of a 'one -strut failure, condition.</i>	Bidder wants that MAHA METRO should elaborate one strut failure condition in case of stages having multiple layer of Struts / Anchors.	Tender condition prevails.
451.	Part-1, Sec-III, Bidding Procedures	Elegibility & Qualification Criteria, Key Personnel Cl. - 7 (iii) , Page - 23.	<i>TUNNELING EXPERT: The requirement is one Expert for TBM Drives and one expert for NATM works. The TBM and NATM Expert should be BE/BTech Civil/Mechanical Engineering with 12 years.....</i>	Bidder requests to include BE/Btech - Mining Engineering in the list of Tunneling Expert along with Civil / Mechanical Engineer since Mining Engineers share an extensive role in TBM Tunnels and / or NATM Tunnel. Please confirm your acceptance	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
452.	Part-2, Sec-VI, Employers Requirement	Sec-B-Functional, Cl.-v, Page-4	<i>The surplus excavated material (that cannot be used in the Works), shall be treated as Employers property.</i>	Bidder intends to know whether the muck generated from the station box and / or C&C excavation can be used for aggregate generation if the specification matches.	Please refer corrigendum - S. No. 36
453.	Part-2, Sec-VI, Employers Requirement	Sec-D-Construction, Cl.-27, Page-4	<i>The Employer has identified a muck disposal site located at *** with a disposal volume capacity adequate to dispose of the spoil/muck generated on this Contract package. This site can be utilized by the Contractor for disposing of surplus muck/spoil.</i>	Bidder intends to know the *** marked place along with distance from stations of Package 2 and requests to issue drawing showing detail dimension for proper planning.	Please refer corrigendum - S. No. 36
454.	Part-2, Sec-VI, Employers Requirement	Sec-D-Construction, D-10, Cl.-1 & 5, Page-16	<i>Within 30 days of the Commencement Date, the Contractor shall provide and maintain site accommodation for the Engineer's staff as set out in Appendix 13 and at a location given a Notice by the Engineer. The Contractor shall provide and maintain its own site accommodation at locations issued a Notice by the Engineer.</i>	Bidder understands that the location for setting up of site accommodation for both client & contractor shall be provided by the client at free of cost. Please confirm.	Tender condition prevails
455.	Part-2, Sec-VI, Employers Requirement	Appendix 10 - Approved Manufacturers /Vendors,	<i>There is no approved Manufacturers/Vendor list is enclosed in the bid document</i>	Bidder requests to enclose approved Manufacturers/Vendors list for proper pricing.	Please refer ER, Section VI, Appendix - 10
456.	Section - VI : Employers Requirement	Appendix 2B - Contract Key Dates & Completion Dates Budhwarpeth & Mandai Station Key Dates - KD 3 & 5	Completion of excavation for station box - 308 days Base slab construction for the station including....434 days	Looking at complexity, quantum of the job and involvement of detail design, Bidder request to shift the mentioned key dates by 120 days. At the same time bidder requests to extend entire completion period by 6 months and set the KDs accordingly in view of better execution of the job. Please confirm your acceptance.	Please refer corrigendum - Annexure 16 for revised key dates
457.	Part1 - Bidding Procedures,	Part A- Electrical	<i>Sub- Main Switchboards and Local Electrical Items</i>	(i) Please confirm the required IEC standards, as both 60439 & 61439 are	Please follow IEC 61439.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	Section IV b - Pricing Document	Works for Budhwarpeth Station, Sl No-E.01, Page 170		<p>mentioned in the specification.</p> <p>(ii) Bidder also requests to provide the Single Line Diagram (SLD) for all panels along with Ampere ratings of Switchgear as the SLD provided does not contained Ampere ratings of switchgear and only few panels of SLD has been given with the tender document.</p> <p>(iii) Bidder envisages system house of OEMs for panels, please confirm.</p> <p>(iv) Bidder requests to provide the CAD Drawings for Schematic SLD.</p> <p>(v) Bidder requests to provide the approved Vendor list if any.</p>	<p>Please refer Corrigendum - Annexure 12</p> <p>Tender condition shall prevail</p> <p>CAD drawings may be obtained from PMRP office for reference purpose only. However Tender drawings (PDF version) shall prevail.</p> <p>Please refer corrigendum - Annexure 8.</p>
458.	Part1 - Bidding Procedures, Section IV b - Pricing Document	Part A- Electrical Works for Budhwarpeth Station, Sl No-E.03.09, Page 212	<i>Cable Trays</i>	<p>(i) Please confirm whether Cable Trays material will be Pre-Galvanized Sheet or Hot Dip Galvanized material.</p> <p>(ii) Bidder understands that Cable Trays rates shall excluding support since there is a separate BOQ item for supports. Please confirm.</p>	<p>Cable Trays material shall be Hot Dip Galvanized material.</p> <p>Tender condition prevails</p>
459.	Part1 - Bidding Procedures, Section IV b - Pricing Document	Part A- Electrical Works for Budhwarpeth Station, Sl No-E.04, Page 214	<i>Wiring and Accessories</i>	Bidder understands that 3 Nos 2.5 Sqmm Single Core Copper Conductor, LSZH wires on it. Please confirm.	Tender condition prevails

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
460.	Part1 - Bidding Procedures, Section IV b - Pricing Document	Part A- Electrical Works for Budhwarpeth Station, Sl No- E.05, Page 221	<i>Indoor Lightings and Fans</i>	Bidder understands that the support required for Light Fittings shall be measured and paid separately. Please confirm.	Tender condition prevails
461.	Part1 - Bidding Procedures, Section IV b - Pricing Document		<i>General</i>	Bidder requests to share Approved Vendor List for all E&M Items.	Please refer corrigendum - Annexure 8
462.	Part1 - Bidding Procedures, Section IV b - Pricing Document		<i>General</i>	Bidder requests to provide Lighting and Power layout drawings in Autocad format to workout the average circuit length or kindly furnish the average circuit length to be considered.	Detailed design will be provided by Employer during execution.
463.	Part -1, Section -II, Bid Data Sheet	ITB, Clause - 7.8.1 (Proposal for Use of Work Areas, Page - 8.	<i>The Bidder shall note the requirements of the Land Acquisition Act of India</i>	Bidder understands that all the required land for working area and station footprint area for stations and tunnel works shall be acquired by MAHA METRO. Please confirm.	Please refer corrigendum for work area drawings. Tender clauses are self-explanatory.
464.	Part -1, Section -II, Bid Data Sheet	ITB, Clause - 6.7.2 (New Para), Page - 7	<i>The Bidders shall note the existence of over ground, at grade and underground structures, utilities and infrastructure in the near vicinity of the Works to be constructed.</i>	(i) Bidder understands that the existing utility drawings for all station shall be provided by MAHA METRO. (ii) Bidder also understands that the foundation drawings for over ground, at grade, underground structure and infrastructure in the near vicinity of the works shall be provided by MAHA METRO. (iii) Bidder requests to provide the list of structure / infrastructure to be reinstated at the end of the work. Please confirm.	These are under bidder's scope of work.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
465.	Part -I, Section -II, Bid Data Sheet	ITB, Clause - 18.9 (New Para), Page - 14	<i>Due to change in law, the Employer may get, from the Government, partial or complete waiver of taxes under GST.....</i>	Bidder requests to provide percentage of GST applicable for this tender.	Tender condition prevails.
466.	Part-III - Conditions of Contract and Contract Forms, Section X - Particular Condition of Contract (PCC)	Cl 2.1 (Right to Access) , Page 7	Replace 2.1(b) with: <i>The cost of idle labour as per rate of daily wages subject to the assessment and approval of the Engineer.</i>	Bidder requests to reinstate the original clause of GCC. Please confirm.	Please refer corrigendum - S. No. 20
467.	Part-III - Conditions of Contract and Contract Forms, Section X - Particular Condition of Contract (PCC)	New Clause 2.6 (Assignment by the Employer), Page 7	Add a new Clause 2.6 : <i>The Employer shall be fully entitled without consent of the contractor to assign any part of work to any third party at the risk and cost of the contractor by giving 14 days' notice when the contractor is behind the schedule and causing undue delay.</i>	Bidder understands that this clause is applicable when the Contractor is behind the schedule due to Contractor's fault only and not due to employer fault or other interface contractor fault. Please clarify.	Tender conditions are self-explanatory.
468.	Part-III - Conditions of Contract and Contract Forms, Section X - Particular Condition of Contract (PCC)	Cl 6.11 (Disorderly Conduct)) , Page 28	Add to sub clause 6.11 : 6.11.1: <i>In case, deployment of a Special Police Force becomes necessary at or near Site, during the tenure of Works, the expenses for the same shall be borne by the Contractor.</i>	Bidder requests to share the expenses equally both by the Contractor and Employer. Please confirm.	Tender condition prevails.
469.	Part-III - Conditions of Contract and Contract Forms, Section X - Particular Condition of Contract (PCC)	Cl 12.3 (Right to Vary) , Page 40	Replace sub clause 8.4 with the following:	Bidder understands that there is the typographical error and it should be read as clause 12.3 instead of clause 8.4. Please confirm.	Query is not in order. Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
470.	Part-III - Conditions of Contract and Contract Forms, Section X - Particular Condition of Contract (PCC)	Cl 13.8 (Price Variation) , Page 48	<i>Thus, Price Variation is applicable only for 05 Price Centres i.e. B, C, D, E & F which are for Lump sum Schedules for 03 Stations, 02 tunnel sections, NATM portion etc.</i>	Since the project completion period is 3.5 years and now it is difficult to assess the impact of the Price Variations amount for the items to be operated under Price Centers A,G,H,I,J. Hence bidder requests to pay Price Variations for 10 Price Centers A,B,C,D,E,F,G,H,I,J like under metros. Please confirm.	Please refer corrigendum - S. No. 19
471.	Part-III - Conditions of Contract and Contract Forms, Section X - Particular Condition of Contract (PCC)	Cl 14.2.3 (Recovery of Advances) , Page 61	<i>The recovery of the Mobilization and Plant and Machinery Advances shall each be made in 24 (Twenty four) equal instalments (once every month) commencing from Sixth month after the payment of advance.</i>	Bidder requests to modify the said clause as follows: The recovery of the Mobilization and Plant and Machinery Advances shall commence after reaching of 20% of Contract Value and shall be completed within 85% certification of the Contract Value. Please confirm.	Please refer corrigendum - S. No. 22
472.	Part-III - Conditions of Contract and Contract Forms, Section X - (PCC)	Cl 14.8 (Delayed Payment) , Page 63	<i>Deleted</i>	Bidder requests to reinstate the original clause of GCC. Please confirm.	Tender condition prevails.
473.	Part-III - Conditions of Contract and Contract Forms, Section X - Particular Condition of Contract (PCC)	Cl 14.18 (New Clause) , Page 64	Add a new sub clause :14.18 Production of Vouchers: <i>The Contractor shall, whenever required by the Engineer produce or cause to be produced for examination by the Engineer any quotation, invoice, cost or other account books, vouchers, receipts, letters, memoranda or any copy of or extract from any such documents and also furnish information and returns</i>	Since the Contract price is including GST and contract shall be awarded based on quoted price and it is a combination of lumpsum and item rate contract so it is difficulty and cumbersome to produce all the vouchers, hence bidder requests to delete this new clause on entirely. Please confirm your acceptance.	Tender condition prevails
474.	Part-III - Conditions of Contract and	Cl 18.5 (New Clause), Page 67	Add a new sub clause : 18.5 Insurance for Design	Bidder understands that PII to be submitted only for lumpsum portion of the price centre. Please confirm.	Tender condition prevails

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	Contract Forms, Section X - (PCC)				
475.	NIT	Date & Time of submission of Tender	Online submission up till 16.00 Hrs. on 10.07.2018 in Maha-Metro's e-tender portal.	Due to the heavy documentation of this tender, since the drawings and requirements were listed within thousands of pages in the tender documents, we kindly ask you to extend the bid submission date for another 2 months from the existing date.	Please refer respective corrigendum
476.	Part 1 BDS & ITB	ITB11.4.6 (New Clause) & ITB 7.7	<p>In case the successful Bidder is a JV having a foreign member and if the experience of tunneling for the purpose of qualifying the minimum eligibility criteria was fulfilled by the foreign member then the foreign member shall submit an additional Bank Guarantee (In addition to performance security) of an amount equal to 1% of the contract value as per LOA for the fulfillment of the condition of deployment of key staff and the expatriate Project Manager for the project.</p> <p>Bidders should alert the Employer in writing with a copy to Funding Agency in case they consider that certain clauses or technical specifications of the bidding documents might limit international competition or introduce an unfair advantage to some bidders.</p>	<p>The conditions in the last paragraph of the ITB 7.7 is seem to have a discrepancy with the last paragraph of BDS ITB 11.4.6. ITB 7.7 clearly states that "<u>Bidders should alert the Employer in writing with a copy to Funding Agency in case they consider that certain clauses or technical specifications of the bidding documents might limit international competition or introduce an unfair advantage to some bidders.</u>" however in the BDS (ITB 11.4.6) an additional performance security was asked from the foreingn bidders which add cost to their price proposals.</p> <p>Please review and update the statement in BDS (ITB 11.4.6).</p>	Please refer corrigendum - S. No. 12
477.	Part 1 BDS	ITB 33.1.1 (Additional Para)	The complete bid document including all corrigendum/addendum/clarifications issued time to time, prior to submission	Please clarify that in case of a JV, shall the bid documents uploaed by the digital signature of one partner or all partners' digital signature will be required.	Tender condition prevails.

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			of bid and all required enclosures should be uploaded to the e-tender portal of MAHA-METRO through digital signature of bidders or through Digital Signature (DSC) of authorized representative of all member of a JV/Consortium		
478.	Part 1 BDS	ITB 4.7 (New Para) (a)	(a) A Memorandum of Understanding / Consortium Agreement shall be provided duly notarized by the notary public of country of origin and should be stamped by Embassy / High Commission.	In case of a JV with a foreign partner, please confirm if the MoU is signed in India through an apostilled PoA holder of the foreign company, notarization of the MoU in India will be sufficient.	Agreed to.
479.	Part II / Sec XI	BDS (ITB 18.5) Particular Conditions of the Contract	The prices quoted by the bidder shall not be adjustable as it is a fix priced contract.	In the BDS ITB 18.5, it is stated that the quoted prices are not adjustable, however in the particular conditions of the Contract 13.8.3, it is stated that " Contract price shall be adjusted for increase or decrease in rates and prices of labour materials, fuels and lubricants in accordance with the following principles and procedures and as per formula given hereunder. " and the formula for the adjustment was given. Please clarify if the quoted prices are adjustable according to the Particular Conditions of the Contract or not?	The quoted prices shall be adjustable as per Clause 13.8.3 under PCC.
480.	Part 1 BDS	ITB 19.1	The Payment of the Contract Price shall be made in INR and other two currencies (Euro and USD) in which the Bid Price is expressed in the Bid of the successful Bidder.	Please clarify how the EUR or USD payment will be done to the contractor and also with regard to the previous clarification request, do EUR/USD priced items' prices adjustable or not? If they are adjustable, please clarify the formula for foreign currency adjustment.	The Payment of the Contract Price shall be made in the relevant currency (INR/ Euro/ USD) in which the Bid Price is expressed in the Bid of the successful Bidder.

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					There will be no price adjustment for the EUR/USD priced items.
481.	Part 1 Sec. 4A	(C) UNDERTAKING FOR PRICING FOR DEVIATIONS WITHDRAWAL		"UNDERTAKING FOR PRICING FOR DEVIATIONS WITHDRAWAL" format is marked as (Deleted). Please clarify if this form is deleted or to be submitted with the proposal of the bidders?	Said form stands deleted.
482.	Part 1 Sec. 4B	1.3.2	Works relating to diversion, relocation, etc., of the uncharted utilities met with during execution), and such works to be executed if Engineer directs to do it and the payment shall be on a BOQ measurement basis and the rates shall be the concerned utility department current rates.	We understood that if an uncharted utility which can be faced by the contractor, the diversion / relocation / etc. Prices will not be paid according to the BoQ of this contract but will be paid according to the official relevant utility department's current rates. Please confirm.	Tender condition prevails.
483.	Part 2	Design & Construction Specifications		Please clarify if the contractor will be asked to bring New TBM machines, or will the refurbished TBM machines be acceptable by the client?	Please refer corrigendum - S. No. 3
484.	Part 2 Section 9	Drawings	Station Work Areas	Private properties were seen on the related drawing. Please clarify the site-hand over schedule, expropriation schedule / plan for this area.	Land parcels will be made available as stated in Appendix 2A.
485.	Part 2 Section 9	PML-1-IC-RT- CS-0053		In the related drawing, the thickness of the precasted segments are seen as 550/2 mm, we think that this thickness is not the requirement of the client and would be designed thinner in the design stage and what is the minimum segment thickness? Please clarify.	Refer ODS, Section VII, S.03, Clause 3.5.7 - item 7
486.	Part 1 Sec. 4B	Price Centers		Please provide the excel formats of the price centers.	Excel formats are not available.

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487.	Part 1 Sec. 4B	Price Centers	Price Center A Price Center B, C, D, E, F	<p>- The last note of Price Center A "The above total for Price Centre A shall be equal to 5% of the sum of the total amount for each Price Centre "B to F", but is not required to be inserted into the Pricing Summary in Clause 1.7.1 above."</p> <p>-The last note of Price Center F The above total for Price Centre F shall be equal to 95 % of the Sum inserted for Price Centre F in the Pricing Summary in Clause 1.7.1 above.</p> <p>Please update and cancel the above mentioned item due to avert any miscalculations for the tender proposals since the above mentioned notes are adding unnecessary complications to the working sheets.</p>	Please refer corrigendum - S. No. 19.
488.	Part 1 Sec. 4A	4.4 Bidder's Technical Submissions 5.2 Specifications	The Bidder should note that the Specifications submitted with the Bid as part of the Contractor's Technical Proposals will, prior to acceptance of Bid, be merged and consolidated into a single document for incorporation into the Contract.	We understood that the Client is asking the particular specifications to be prepared and to be submitted with the bidding documents. Please clarify whether the Client is asking for all of the construction, architectural, mechanical, electrical, low voltage, etc. specifications separately, or is the client asking for the specifications which the bidder intends to change.	Tender conditions are self-explanatory.
489.	Part 2 Section 6	D18	The Contractor shall be responsible for obtaining the necessary permits and approvals for undertaking the demolition works.	We understood that the demolition works are under the scope of the contractor. Please provide the demolition plan for the existing structures.	Please refer to ER, Section B, Clause B2, item iv
490.	Part 1 BDS	ITB 7.1	For clarification purposes and for any update/addendum/corrigendum/pre-bid queries the Employer's address is: Attention: General Manager	We understood that the hard copy of the bid security will be submitted to the " 101, The Orion, Opposite Don Bosco Youth Centre, Koregaon Park ", please confirm.	Yes.

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			(Procurement) Street Address: 101, The Orion, Opposite Don Bosco Youth Centre, Koregaon Park City: Pune ZIP Code: 411001 Country: India Telephone: 020-26051074 E-Mail Address: mahametro.tenders@gmail.com Web page: www.punemetrorail.org e-tendering portal https://mahametrorail.etenders.in		
491.	Part 1 Sec. 4A Bidding Forms	4.4 Bidder's Technical Submissions	The Bidder should note that the Specifications submitted with the Bid as part of the Contractor's Technical Proposals will, prior to acceptance of Bid, be merged and consolidated into a single document for incorporation into the Contract.	Please provide the editable (word) formats of the specifications.	Tender specifications (PDF) shall prevail.
492.	Part 1 Section 1	4. Eligible Bidders	Bidder may be a firm that is a single entity or any combination of such entities in the form of a joint venture (JV) under an existing agreement or with the intent to enter into such an agreement supported by a letter of intent.	In case of attending this tender as a JV, since the JV partners are signing both MoU and a JV agreement, will there still be a requirement of "Letter of Intent") If yes, please provide the format of the relevant letter of intent.	If Joint Venture Entities / Partners have an JV agreement and MOU, they need not submit Letter of Intent
493.	Part 1Section 1	21. Bid Security21.7	The Bid Security of a JV shall be in the name of the JV that submits the Bid. If the JV has not been legally constituted into a legally enforceable JV at the time of bidding, the Bid Security shall be in the names of all future members as	In case of a JV, the partners will sign both MOU and a JV agreement according to the tender documents. Does this mean they have had formed this JV or will the partners considered to be future members? If yes;Please confirm that the bid securities would be submitted separately	Tender condition prevails.

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			named in the letter of intent referred to in ITB 4.1 and ITB 11.2.	by the JV members according to their shares..	
494.	Part 2 Section 6	B5 Design Life	The design life of the Permanent Works for civil engineering structures shall be 120 years.	The design life of the project was asked to be 120 years. Please confirm	Tender clause is self-explanatory.
495.	Tender Drawings			NATM cross section for crossover is available. But NATM cross section for stations is not exists on the tender documents. Please provide the NATM cross section for station.	Please refer to architectural drawings.
496.	Part 2 Section 6	D3 THE SITE	(27) The Employer has identified a muck disposal site located at *** with a disposal volume capacity adequate to dispose of the spoil/muck generated on this Contract package. This site can be utilized by the Contractor for disposing of surplus muck/spoil.	In this item, it has been mentioned that the disposal area for the Muck has been located by the Employer. However we could not find any such information within the documents. Please provide information on the location of the Muck Dump Area.	Please refer corrigendum - S. No. 36
497.	Part 2 Section 6	D8 Trees 6-a	(a) The Contractor is not permitted to cut or fell any trees without first obtaining approval from the appropriate authorities and then obtaining a Notice from the Engineer. The Contractor shall identify all trees that require cutting or felling and make applications to the appropriate authorities and the Engineer for the necessary works at least 6 months in advance of the required date for the cutting or felling works.	Please clarify if the felling / cutting trees is in the scope of the contractor. If yes; 6 months advance applications were asked to be made by the contractor, which will have a very big impact on the work schedule. Please consider these items to be updated or extend the duration of the project at least 6 months.	Tender condition prevails.
498.	Part 1 Section 4a	15. Sample Format for Banking Reference for Liquidity	The format	If the bidder is a foreign entity who will have his Bank Certificates from a bank from his own country, please confirm that foreign bank's "Format for Banking Reference for Liquidity" will be accepted instead of the format given in the tender documents.	Yes, foreign bank's "Format for Banking Reference for Liquidity" shall also be accepted, if it is in similar format to the required form as given in the tender document and includes all the

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					requested financial information.
499.	Sectin VI Section D Construction	D 17 Tunnel Boring Machines (19)	(19) The machine shall be designed to allow forward drilling through the cutter head for the purpose of probing ground conditions and to carry out ground treatment to the face.	Please clarify if the probe drill is required for all the TBM's or will it be sufficient to have this probe drill on just one TBM?	Tender condition prevails.
500.	Sectin IV a Form of Legal Capacity / Power of Attorney	Format for Board Resolution		Since the format for the board resolution was given for one person only, please clarify if the bidder can prepare this document for more than one person (i.e. 3 managers) authorizing them separately. If the answer is yes, please confirm that the bidder is permitted to add "separately" word in the format.	Agreed to.
501.	Sectin IV a	Bidding formats	"Consortium"	Please confirm that the "Consortium" word which was used in the bidding documents in several places has a same meaning with "Joint Venture" and/or "JV".	Tender condition prevails. Bidding Forms which are applicable for JV is also applicable for consortium.
502.	PART I - BIDDING PROCEDURES - Appendix to Bid - Contract Data	1.1.3.7 Defects Notification Period	Defects Notification Period (Defect Liability Period) is 104 weeks from the date of issue of Taking Over Certificate for the whole of the Works	Request to change Defects Notification Period (Defect Liability Period) as 52 weeks	Tender condition prevails.
503.	PART 3 - Conditions of Contract and Contract Forms - PARTICULAR CONDITIONS OF CONTRACT	1.1.3.19 / 8.1	Clause 1.1.3.19 states that "The whole of the works shall be completed and delivered within the time stated in the key dates attached. The completion period for the work will be reckoned from the date of receipt of LOA." Whereas Clause 8.1 states that "The Contractor shall commence the Works on the date specified in the Letter of Acceptance or if no date is specified in	Please clarify if the works will commence on the date of receipt LOA or on a date given in the LOA/Notice to Proceed.	Tender condition prevails.

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			the Letter of Acceptance, on the date specified in the Notice to Proceed."		
504.	PART I - BIDDING PROCEDURES - Appendix to Bid - Contract Data	2.1 Time for Access to the Site	Access to site will be given in a progressive manner within a week's time of issue of LOA. The last stretch of site will be given within 12 months of LOA.	Request to give access to whole site within a week's time of issue of LOA. If this is not possible, please provide information on when the site access will be given to each part of the site (each Stations). This is crucial for the work planning of the Contractor.	Land parcels will be made available as stated in Appendix 2A.
505.	PART 3 - Conditions of Contract and Contract Forms - PARTICULAR CONDITIONS OF CONTRACT	2.1 (b)	The cost of idle labour as per rate of daily wages subject to the assessment and approval of the Engineer.	Request to keep the original Fidic Clause as: "2.1 (b) payment of any such Cost plus reasonable profit, which shall be included in the Contract Price." Since the Contractor will also have at site the idle Contractor's Equipment.	Please refer corrigendum - S. No. 20
506.	PART 3 - Conditions of Contract and Contract Forms - PARTICULAR CONDITIONS OF CONTRACT	2.5 Employer's Claims	Add to sub-clause 2.5: a. Claims for amounts not insured by the contractor b. Claims for amounts not recovered from insurers c. Claims for the damage caused to interfacing contractors, third parties, employers / engineers property.	Please clarify where exactly this amendment is made in Clause 2.5	To be added at end the end of Clause 2.5.
507.	PART 3 - Conditions of Contract and Contract Forms - PARTICULAR CONDITIONS OF CONTRACT	2.6	The Employer shall be fully entitled without consent of the contractor to assign any part of work to any third party at the risk and cost of the contractor by giving 14 days' notice when the contractor is behind the schedule and causing undue delay.	Request to change this Clause as "The Employer shall be fully entitled without consent of the contractor to assign any part of work to any third party at the risk and cost of the contractor by giving 14 days' notice when the contractor is behind the schedule and causing undue delay subject to 8.3.1 being satisfied."	Tender condition prevails.
508.	PART 3 - Conditions of Contract and	4.2.3	Contractor shall submit to the Employer as soon as possible:	Please confirm these undertakings and guarantees from Parent Companies are required to be submitted by the Contractor	Tender condition prevails.

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	Contract Forms - PARTICULAR CONDITIONS OF CONTRACT		an undertaking and guarantee from the Parent Company	if the Contractor is a subsidiary company. If the Contractor is not a subsidiary company but the main Company, then no such guarantee / warranty shall be submitted.	
509.	PART 3 - Conditions of Contract and Contract Forms - PARTICULAR CONDITIONS OF CONTRACT	4.6	Last Paragraph: If any act or omission of the Contractor whether directly or indirectly results in the delay in the execution of the works of a Designated/Interfacing Contractor, the Contractor, in addition to his liability in respect of liquidated damages if they become due, shall pay to the Employer, or the Engineer may deduct from Interim Payment Certificates such amount as the Employer/Engineer shall have certified in respect of additional payments or costs to the Designated/Interfacing Contractor in respect of such delay.	Request to change this Clause as follows: If any alleged act or omission of the Contractor whether directly or indirectly results in the delay in the execution of the works of a Designated/Interfacing Contractor, in which case if the Employer/Engineer wishes to claim any monies in respect of liquidated damages if they become due, shall use Clause 2.5 Employers claims and that no monies will be withheld until the due processes under the Contract and are completed.	Tender condition prevails.
510.	PART 3 - Conditions of Contract and Contract Forms - PARTICULAR CONDITIONS OF CONTRACT	4.7 (a)	(a) Validating the accuracy of the original points, lines, and levels etc. which are basis for proceeding with the work.	Request to change this Clause as follows: The Employer shall be responsible for any errors in original points, lines, and levels etc. which are basis for proceeding with the work, but the Contractor shall use reasonable efforts to verify their accuracy before they are used.	Tender condition prevails.
511.	PART 3 - Conditions of Contract and Contract Forms - PARTICULAR CONDITIONS OF CONTRACT	4.7.1 Errors in Setting Out	If at any time during the execution of the Work, an error appears in the positions, levels, dimensions or alignment of any part of the Works, the Contractor on being required to do so by the Engineer shall, at Contractor's cost, rectify such error to the satisfaction of the Engineer.	It is requested to modify this clause such that rectification of any errors in original points, lines, and levels etc. shall be under Employer's responsibility.	Tender condition prevails.

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512.	PART 3 - Conditions of Contract and Contract Forms - PARTICULAR CONDITIONS OF CONTRACT	4.13.2	The Employer reserves the right to make use of these service roads/rights of way for itself or for other contractors working in the area, as and when necessary without any payment to the Contractor.	Please clarify who will be responsible for the damages to these roads caused by other contractors?	Tender condition prevails.
513.	PART 3 - Conditions of Contract and Contract Forms - PARTICULAR CONDITIONS OF CONTRACT	5.3.d	(d) The Contractor warrants that the Contractor's Proposals meet the Employer's Requirements and is fit for the purpose thereof. Where there is any inadequacy, insufficiency, impracticality or unsuitability in or of the Employer's Requirements or any part thereof, the Contractor's Proposal shall take into account, address or rectify such inadequacy, insufficiency, impracticality or unsuitability at Contractor's own cost.	Request to change this Clause such that Employer takes the responsibility of any inadequacy, insufficiency, impracticality or unsuitability in or of the Employer's Requirements or any part thereof as already Stated in Clause 1.19.	Tender condition prevails.
514.	PART 3 - Conditions of Contract and Contract Forms - PCC	13.1 Right to Vary	Replace sub clause 8.4 with the following:	Please clarify, which clause to be replaced. And there are mentions in the clause about Earthworks and etc. Which is not paid on unit rates. Please clarify.	Tender condition prevails.
515.	PART 3 - Conditions of Contract and Contract Forms - PCC	13.8.3 Price Adjustment	Contract price shall be adjusted for increase or decrease in rates and prices of labour materials, fuels and lubricants in accordance with the following principles and procedures and as per formula given hereunder.	Please clarify if the Price Adjustment is only applicable to the Contract Price in Indian Rupees, but not applicable to the part of the Contract Price to be paid in other currencies.	Understanding is correct. Tender condition prevails.
516.	PART 3 - Conditions of Contract and Contract Forms - PCC	14.8 Delayed Payment	Deleted.	Request to keep the original Fidic Clause Delayed Payment	Tender condition prevails.

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517.	PART I - BIDDING PROCEDURES - Appendix to Bid - Contract Data	18.1	a. Evidence of insurance: 14 days from Commencement Date b. Relevant policies: 28 days from Commencement date	There is no mention of 14 days in the PCC.	Please refer corrigendum - S. No. 17
518.	PART II - ER Section VI - ER-Appendix 2A - Works Area	1	The Site and works Areas will be made available to the Contractor at different times and for various durations as shown on the Schedule of Access Dates in this Appendix.	Schedule of Access Dates are not shown for all work areas in the Tender Documents. Please provide.	Land parcels will be made available as stated in Appendix 2A.
519.	Part 1 - Bidding Procedures Section I - Instructions to Bidders	16. Documents Establishing conformity of the works	(a) a detailed description of the essential technical and performance characteristics of the Plant, including the Schedule of Guarantees of the proposed Plant , in response to the Employer's Requirements. The Schedule of Guarantees of the proposed Plant shall be stated in the applicable form in Section IV a, Bidding Forms; (b) a list giving full particulars, including available sources, of all spare parts, special tools, etc., necessary for the proper and continuing functioning of the Plant for the period specified in the BDS, following completion of the Works in accordance with the provisions of Contract; and (c) Adequate evidence demonstrating the substantial responsiveness of the Works to those Employer's Requirements. Bidders shall note that standards for workmanship, materials and equipment designated by the	Regarding the article (a), please clarify what the <i>proposed Plant</i> is. Please clarify which form covers <i>The Schedule of Guarantees of the proposed Plant shall be stated in the applicable form in Section IV a, Bidding Forms</i> . Please give a clearer information regarding the article (b). What are the limits of spare parts and special tools? What for these spare parts and special tools will be used? Regarding the article (c), do the bidder has to submit alternative standards, brand names and/or catalogue numbers in its Technical Proposal? Is this article related to the submission at 4.4 Bidder's Technical Submissions?	The Bidder shall furnish a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Section IV - Bidding Forms, in sufficient detail to demonstrate the adequacy of the Bidder's proposal to meet the work requirements and the completion time.

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			Employer in the Bidding Documents are intended to be descriptive (establishing standards of quality and performance) only and not restrictive. The Bidder <u>may</u> substitute alternative standards, brand names and/or catalogue numbers in its Technical Proposal, provided that it demonstrates to the Employer's satisfaction that the alterations are substantially equivalent or superior to the standards designated in the Employer's Requirements		
520.	Part 1 - Bidding Procedures Section I - Instructions to Bidders	21. Bid Security		Please confirm that if the bidder who submits his proposal in any case of applicable currencies, the bidder shall submit his bid security in INR as 56.25 Million.	Tender clause is self-explanatory. Tender condition prevails.
521.	Part 1 - Bidding Procedures Section IV a - Bidding Forms	8A. Draft Memorandum of Understanding (MOU) for JV Participation	WHEREAS: Bangalore Metro Rail Corporation Limited (BMRL) [hereinafter referred to as "Employer"] has invited tenders for ... "[Insert name of work]....."	Please revise this article and submit a new Draft Memorandum of Understanding (MOU).	Please refer corrigendum - S. No. 7
522.	Part 1 - Bidding Procedures Section I - Instructions to Bidders	11. Documents Comprising the Bid 11.2	(c) Acknowledgment of Compliance with the Guidelines for Procurement under funding agency (Form ACK), which shall be signed and dated by the Bidder's authorized representative;	Please indicate the form number of <i>Form ACK</i>	Refer ITB 11.2(C)of BDS.
523.	Part 1 - Bidding Procedures Section I - Instructions to Bidders	14. Documents Establishing the Eligible Source Countries - Plant, Materials and	To establish the eligibility of Plant, Materials and Services in accordance with ITB 5, Bidders shall complete the country of origin declarations in the Price Schedule Forms, included in Section IV a, Bidding Forms.	Please indicate the form number of <i>the eligibility of Plant, Materials and Services</i>	Please refer corrigendum - S. No. 88

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524.	Part 1 - Bidding Procedures Section I - Bid Data Sheet	ITB 27.1	The Technical Envelope/ Packages of Online Submitted Bids shall be opened/ downloaded by the opening committee on due date and time of Bid opening.	Please indicate whether the bidders are allowed to attend the opening of the Technical Envelope. If yes, please provide the proposed date and time.	Yes. Please follow respective corrigendum.
525.	Part 1 - Bidding Procedures Section IV b - Pricing Schedule and Financial Bid	1.3.1 Price Centre A	bb) Schedule of spare parts for EMPS	Please clarify EMPS	Electrical Machines and Power Systems.
526.	07 UGC02- PART 2 - Section IX_Tender Drawings	Utility Drawings	Utility drawings for Budhwar Peth Station and Mandai Station are existing but the same for Swargate Station is missing.	Please provide utility drawings for Swargate Station	Available informations are provided in tender drawings.
527.	Section VI - Employers Requirement Section B - Functional	B7 OPERATIONAL REQUIREMENT S	(2) The vertical and horizontal alignments for the main line track work shall comply with the conditions laid in Clause B3 (1) & (2) of these Employer's Requirements, Functional.	Please confirm that design of vertical and horizontal alignment of track is out of the scope of the Contractor.	Tender condition prevails.
528.	Section VI - Employers Requirement Section B - Functional	B15 URBAN PLANNING FUNCTIONAL REQUIREMENT S	(1) The Station Site Plans shown in the Tender Drawings are based on the urban planning design carried out by the Employer and specific land acquisition plans have been submitted to the Government of Maharashtra State and to the Ministry of Railways for railway land, for approval. The land acquisition initiated to date is therefore based on the entrances, ventilation shafts, ancillary buildings and redevelopment of the site areas etc. as shown on the Employer's Drawings. The Contractor must therefore develop his layouts to	Please clarify if the Contractor is allowed to change the footprint of the Station.	No. Tender drawing prevails.

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			suit the available land provided for the metro works.		
529.	PART 3 - Conditions of Contract and Contract Forms - PARTICULAR CONDITIONS OF CONTRACT	4.6	The Contractor shall not impede and shall afford all necessary facilities, access and/or services to the Employer, Engineer Designated/Interfacing Contractors, utility undertakings, other relevant authorities and other contractors (whether employed by the Employer or not) who are carrying out on, or in the vicinity of, the Site, works not included in the Contract:	Please kindly provide up-to-date list of Interfacing Contractors and packages that other contractors are responsible.	Please refer Appendix 2A and Appendix 19 of ER, Section VI
530.	Section VI	B2 (xiv)	Drainage channels, sumps, pipes and pumps with control panels within tunnels and cross passages and station areas	Please confirm that only construction of drains is in Scope. Design of drainage works is not in scope	Structural design of drainage works along with construction in station area is under UGC02 Contractor's scope of work. Whereas, design of drainage for tunnels and cut & cover area is not part of UGC02 contractor's scope of work.
531.	Section VII S.02	2.3 (2) c)	There may be certain locations along the alignment, where blasting shall not be permitted.	Please confirm the restriction criteria for blasting.	Refer ODS, Section VII, S.02, Clause 2.3, item 2C.
532.	Section VII S.02	Table 2.2	Table giving Minimum & Nominal Covers for Structures	Minimum Cover required shall be 75mm for structures in direct contact with Soil (D-Wall / Piles) For structures, that are cast over PCC / shuttering and soil contact comes later (such as Roof Slab, Retaining walls, Base Slab etc), Minimum cover shall be changed to 50mm. This is in line with Metro Projects elsewhere in country. Please Confirm.	Tender Conditions prevails

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533.	Section VII S.02	Table 2.2	Table giving Minimum & Nominal Covers for Structures	Cover for Retaining Wall not given, please provide.	Any structure forming part of Permanent work or constructed for facilitating the station permanent structure construction shall have minimum cover as given in table 2.2.
534.	Section VII S.02		Underground vertical elements that are in direct contact with the ground shall be designed as permanent retaining walls to resist the lateral earth pressure at rest. The Contractor shall deduce the earth pressure coefficients based on his geotechnical investigations. For rock masses the coefficient of earth pressure should be based on in-situ stress condition	Please confirm the Value of K_0 to be used	It is part of bidder's design scope of work.
535.	Drawings		Emergency Egress Shaft	Please confirm location of Emergency Egress shaft for which details are shared.	This query is related to UGC-01 tender.
536.	PART I-Section IVA		Item Based BOQ with quantities provided for Architecture and MEP.	As quantities have been provided in the BOQ for Architectural and MEP items, please clarify that Architectural and MEP design is part of contractor's scope.	Employer will provide the designs for Architectural finishes and MEP works.
537.			Item Based BOQ with quantities provided for Architecture and MEP.	If the design is in the contractor's scope then it is possible that due to value engineering, the quantities do not match those given in the BOQ. Please confirm.	Employer will provide the designs for Architectural finishes and MEP works.
538.	PART I-Section IVA,4.4		Bidders Technical Submission	Confirm that all items listed in 4.1 to 4.21 is to be submitted for all stations as part of Technical Submission	Yes.
539.	Part II, Section IX		Employers Requirement, Tender Drawings.	Confirm that the architectural drawings provided in the tender are Employers Intent drawings are to be used for further design development by the contractor in the Design Phase.	Tender condition prevails

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
540.	Part II, Section IX		Employers Requirement, Tender Drawings.	There is only one finishing drawing given in the tender set. Confirm whether additional drawings for finishes or typical details for finishes would be provided before tender to enable pricing.	Complete details, design and drawings will be provided by Maha-Metro at the time of detailed design stage and during actual execution
541.	Part II, Section IX		Employers Requirement, Tender Drawings.	Confirm if all submissions have to be made in BIM. If so, specify LOD level.	Tender condition prevails. Please refer Appendix 22.
542.	Part II, Section IX		Employers Requirement, Tender Drawings.	Confirm Green Building certification to be provided-if at all.	Tender condition prevails.
543.	Part II, Section IX		Employers Requirement, Tender Drawings.	Confirm design and installation of Signage is in part of Contractor's scope or is it a separate contract.	Refer ER, Section VI, B2 - scope of work
544.	Part II, Section IX		Employers Requirement, Tender Drawings.	Confirm that the MEP drawings provided in the tender are Employers Intent drawings are to be used for further design development by the contractor in the Design Phase.	Employer will provide drawings for Architectural finishes and MEP works.
545.	Part II- ER-Sec VII-ODS- S.03		The soil investigations undertaken by the Employer shall not be relied upon to provide adequate information concerning the nature of the ground to enable the contractor to fully develop comprehensive method statements for geotechnical, bored tunneling, NATM tunneling and cut and cover works and related activities.	Is the judgment of adequacy inferred by contractor on the basis of additional investigations?	Tender Condition Prevails
546.	Part II- ER-Sec VII-ODS- S.03	3.2.2(9)	Additional GI should result in investigations spacing no greater than 50m centres for the whole route and not less than 12 per station and in addition to borelogs drilled for tunnel two per cross passage.	Is the quantity of investigations, a stringent requirement? Is there a limit to the area (at NSL) for extrapolation of results around any given borehole?	Tender Condition Prevails
547.	Part IV- Reference Document		GIR	Is the GFR with borelogs and lab test data available?	Available information is provided in Tender document, and is only for reference.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
548.	GIR	Part IV, Cl No 6.1	Regarding the aggressive nature of water so far, we have concluded in out GIR (based on results from Tender Geotechnical factual report) that the ground water is non- aggressive.	During the further site investigation after award of work, if it is found that ground water is aggressive & contain the high quantity of sulphate & chloride more than permissible limit as per IS 456: 2000. How will client compensate the contractor for fulfilling the additional requirements of protection against sulphate & chloride?	Tender Condition Prevails
549.	Section VII - Outline Design Specifications	1.1.2 - Design Standards	British Codes (BSI) are being referred	Can Eurocodes/CIRIA Guidelines/ICE Standards be used?	Refer to clause 1.1.2 in tender document.
550.	Section VI - Employers Requirement Section D - Construction	D2 - CHECKING OF THE CONTRACTOR'S TEMPORARY WORKS DESIGN	The Contractor shall, prior to commencing the construction of the Temporary Works, submit a certificate to the Engineer, based on the 'Design Certificate' enclosed as Attachment C1 of this Employers Requirement - Design., signed by the Lead Designer and the Lead Design Checker, certifying that the Temporary Works have been properly and safely designed and checked, and that the Contractor has checked the effect of the Temporary Works on the Permanent Works and has found this to be satisfactory.	Is certifying temporary structure in DDC scope?	Please refer Part - 2, Section VI, Section C, Clause C1 item 3.
551.	Section VII S.03	Cl No 3.8	The distance between adjacent cross-passages in the tunnel shall be provided as per clause NFPA 130-2010, clause 6.2.2.3.2	Can it be superseded by NFPA-130:2017?	NFPA 130 2014 edition amended in 2017 to be followed.
552.	Section VII S.03			Allowable Limits of ground movement in horizontal & vertical directions not provided, please provide.	Refer ODS, Section VII, S.03, Clause 3.4.1
553.	Section VII S.03			No provision for SFRS in replacement of Wire Mesh is provided, please provide.	Scope of work in this tender is Design and Build in nature. Tender Condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
554.	Section VII S.01	1.1.2 Codes and Standards		Few Codes not mentioned, IS 1498 (Soil Classification), IS 8764 (Point Load Index Test), IS 4464 (Rock Classification), IS 9143/13047 (UCS Test) etc. Please clarify.	Provided code list is for reference only. Scope of work entrusted vide this tender is design and Build in nature.
555.	Part I-Bidding Procedures	4.4 Bidder's Technical Submission	In the Technical Proposal it is requested to submit " Details of Environmental Control system and Ventilation System layout at Platform Level an Concourse Level"	Since ECS&TVS Contractor is different, we think that this "Details of Environmental Control system and Ventilation System layout at Platform Level an Concourse Level" layout should be submitted by ECS&TVS Contractor, please confirm.	Yes.
556.	Part 1 - Bidding Procedures	Section IV b - Pricing Document	General	"Sanitary Fixtures and Accessories" are mentioned in OCS&ODS but there is no related items in the BOQ. Please clarify if "Sanitary Fixtures and Accessories" are in the UGC02 Contractor scope or not?	Please refer corrigendum - Annexure 10.
557.	Part 1 - Bidding Procedures	Section IV b - Pricing Document Price Center K : Electrical and Mechanical works for Budhwar Peth station.		In the "Price Center K" below listed item's quantity is zero, please clarify; - F.12.1.3 - 40 mm Fire Fighting System Galvanised Steel Pipe	Please refer corrigendum - Annexure 10.
558.	Part 1 - Bidding Procedures	Section IV b - Pricing Document Price Center K : Electrical and Mechanical works for Budhwar Peth station.		In the "Price Center K" below listed item's quantity is zero, please clarify; - F.15.3 - Providing and fixing 150 mm diameter Deluge Valve	Please refer corrigendum Annexure 10.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
559.	Part 1 - Bidding Procedures	Section IV b - Pricing Document Price Center L : Electrical and Mechanical works for Mandai station.		In the "Price Center L" below listed item's quantity is zero, please clarify; - F.12.1.3 - 40 mm Fire Fighting System Galvanised Steel Pipe	Please refer corrigendum Annexure 10.
560.	Part 1 - Bidding Procedures	Section IV b - Pricing Document Price Center L : Electrical and Mechanical works for Mandai station.		In the "Price Center L" below listed item's quantity is zero, please clarify; - F.15.3 - Providing and fixing 150 mm diameter Deluge Valve	Please refer corrigendum - Annexure 10.
561.	Part 1 - Bidding Procedures	Section IV b - Pricing Document Price Center M : Electrical and Mechanical works for Swargate station.		In the "Price Center M" below listed item's quantity is zero, please clarify; - F.12.1.3 - 40 mm Fire Fighting System Galvanised Steel Pipe	Please refer corrigendum - Annexure 10.
562.	Part 1 - Bidding Procedures	Section IV b - Pricing Document Price Center M : Electrical and Mechanical works for Swargate station.		In the "Price Center M" below listed item's quantity is zero, please clarify;- F.15.3 - Providing and fixing 150 mm diameter Deluge Valve	Please refer corrigendum - Annexure 10.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
563.	Part 1 - Bidding Procedures	Section IV b - Pricing Document Price Centre I and Price Centre J: Electrical and Mechanical Works for Buduhwar Peth Station		In the "Price Center I" and "Price Center J" some cable quantities given as "RO" please clarify. E.03.1 e "4 x 120 Sq.mm"; E.03.1 g "3 x 95 Sq.mm"; E.03.1 l "3 x 35 Sq.mm"; E.03.1 n "3 x 25 Sq.mm"; E.03.1 x "3 x 2.5 Sq.mm"; E.03.1 y "2 x 2.5 Sq.mm"; E.03.1 z "2 x 4Sq.mm"; E.03.2 d"3 x 95 Sq.mm"; E.03.2 m 4 x 2.5 Sq.mm"; E.03.2 n "3 x 2.5 Sq.mm"; E.03.2 p "2 x 4 Sq.mm"; E.03.5 e"4 x 120 Sq.mm"; E.03.5 g"3 x 95 Sq.mm"; E.03.5 l "3 x 35 Sq.mm"; E.03.5 n"3 x 25 Sq.mm"; E.03.5 x "3 x 2.5 Sq.mm"; E.03.5 z 2 x 4Sq.mm;	Please refer corrigendum - Annexure 10.
564.	Part 4 - Appendices	Section VI - Employer's Requirements Appendix 19 - Design and Construction Interface Management page 45	in the "CONSTRUCTION / INSTALLATION STAGE" "Contract A(OHE)" part, it is stated that; "OH/UG-15: Shall cross check the programme/planning of implementation. OH/UG-16: Shall cross check and keep records (jointly signed) of all Requirements as the Work progresses. OH/UG-17: Shall tackle the notified changes if any." and in the "Contract B(UG Tunnel)" part it is stated that "OH/UG-15: Shall coordinate OH/UG-16: Shall report progress of construction at mutually agreed intervals.	According to referred parts, it is not clear that construction/ erection of OHE works under which contract responsibility. Please clarify.	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			OH/UG-17: Shall furnish the changes in design/plan if any."		
565.	Section VI	B2 (xvi)	Swargate development plan shall be well integrated with Swargate	FOB Details are not given in Architectural Drawings. Please provide the details to estimate the quantum of work & related cost	FOB is not envisaged in swargate station
566.			underground station by means of subways/foot over bridges as shown in Employers Drawing along with the required Building Services (the details of which shall be determined at the detailed design stage), Architectural Builder's Works and Finishes etc. complete in all respects including all provisions required for installation of ventilation system by the Ventilation and ECS Contractor		No query
567.	Section VI	B2 1(xxxiii) to B2 1(lxxix)	Points related to Design, manufacture, supply of electrical & mechanical items	Please confirm Design of E&M works is not in our scope	Detailed design will be provided by Employer. However shop drawings to be prepared by civil contractor.
568.	Drawings		Alignment Drawing	Please confirm Crossover shown before Swargate Station has to be done using NATM	Yes.
569.	Drawings		Budhwarpeth Station	Big cutouts shown at Mezzanine Level-I may be difficult to provide as there is no space for Waler Beam. Please confirm reduction of cutout size will be permitted during detailed design, if required.	Tender condition prevails.
570.	PART I-Section IVA		Item Based BOQ with quantities provided for Architecture and MEP.	As quantities have been provided in the BOQ for Architectural and MEP items, please confirm that Architectural and MEP design is part of contractor's scope.	Employer will provide drawings for Architectural finishes and MEP works. Please refer Corrigendum - S. No. 47

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
571.	PART I-Section IVA,4		Bidders Technical Submission	If Architectural & MEP design is not in scope of contractor, Please Confirm that items listed in 4.16 to 4.21 is not to be submitted as part of Technical Submission	Tender condition prevails.
572.	Part I Section I- ITB Part I Section II BDS	21.2 21.2	The Bid Security shall be valid for twenty-eight (28) days beyond the original validity period of the Bid. Bid Security shall be valid for a period of 60 days beyond the bid validity period stipulated in the bid	Two different clauses given for Bid Security validity. Kindly confirm whether clause of BDS shall prevail.	Section II - Bid Data Sheet - ITB 21.2 Prevails. "Bid security shall be valid for a period of 60 days beyond the bid validity period."
573.	Part I Section IVa - Contract Data	14.3	Minimum Amount of Interim Payment Certificates - Minimum 1%.	We request to waive off minimum billing amount of 1% for initial 3 and last 3 interim bills.	Tender condition prevails
574.	Part I Section IVa - Contract Data	8.7 & 14.15(b)	Liquidated damages shall be levied as per the rate given in Appendix of Employer's Requirement for delays caused to KD's.	Request for refund of Liquidated damage levied on Key date's in case Contractor achieves subsequent Key date.	Tender condition prevails
575.	Part II Section VI Section D	D18	The Works shall include the demolition of all structures necessary for the construction of the stations, tunnels and ancillary structures required by the Contract Documents. The structures to be demolished include buildings, boundary walls, water sumps, water wells, bus stops etc.	We understand that permissions and approvals for demolition works from relevant agencies including vacating the structures shall be in Employer's scope. Contractor shall be responsible only for demolition works. Kindly confirm.	Tender condition prevails.
576.	Part III Section X GCC	14.7	The amount certified in each Interim Payment Certificate within 56 days after Engineer receives statement and supporting documents	Request for adhoc payment of 80% within 7 days from date of submission of Interim Payment Statement by Contractor to Authority's Engineer. Balance 20% within 30 days from date of submission of Interim Payment Statement by Contractor.	Please refer corrigendum - S. No. 21
577.	Part-2, Section-VI, Employer		In approved make list Sr. No. 71 AL windows & Glazing works only one	Request you to kindly provide us the approval for additional vendors and manufactures as mentioned below and	Refer Appendix - 10 for Approved manufacturers / vendors list. Additional vendors

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	Requirement - Appendises - Appendix - 10- Approved Manufacturers / Vendors		approved vendors i.e M/s. AJIT INDIA (Madras) Pvt. Ltd. is provide	installation can be carried out through any desire Vendor 1. Aluminium Structural Members - Indalco Alloys, Hindalco Industries Limited, Jindal Aluminium Ltd., Naturelle, Bhorka etc. and equivalent 2. Clear / Float / Frosted Glass - Saint Gobain, AIS, Pilkington, MODI Guard, Atul, Gold Plus Group, GSC Glass, Sejal Architectural Glass, Hindustan Nation Glass etc. and equivalent 3. Glass Spider Fittings - Dorma, Hafele, Ozone etc. and equivalent	can be proposed by contractor during execution stage along with detailed credentials of vendors. Approval may be provided by the Employer/Engineer for the prospective vendors depending on credentials provided by Vendors.
578.	Sec-II - BDS	ITB 21.1	A Bid Security is required as mentioned below:- The total bid security amount shall be INR 56.25 Million submitted as below: INR 56.25 Million in form of Bank Guarantee, as per procedure given in bid documents, from an Indian Schedule commercial bank (excluding Cooperative Banks) or from a schedule Foreign Bank as defined in Section 2(e) of RBI Act 1934.	Please Provide SFMS details for Issuance of BG for Bid Security. Bank Account No:-- IFSC Code:- Bank Branch Address:-	Structured Finance Messaging System (SFMS). 1. BANK NAME: Bank of Maharashtra 2. Branch with Address: 01150 PUNE MAIN BRANCH, LOKMANGAL, 1501, SHIVAJINAGAR, PUNE-411005 3. Bank Account Name: MAHARASHTRA METRO RAIL CORPORATION LIMITED 4. Bank Account No.: 60274237292 5. Bank Account type: Current Account 6. IFS Code: MAHB0001150
579.	Sec-II - BDS	ITB-33.1.1	The complete bid document including all corrigendum/addendum/clarifications issued time to time, prior to submission	We request you to confirm that in case of JV, any JV Partner's DSC can be used for online submission.	In case of JV, authorized representative's signature can be used

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			of bid and all required enclosures should be uploaded to the e-tender portal of MAHA-METRO through digital signature of bidders or through Digital Signature (DSC) of authorized representative of all member of a JV/Consortium		
580.	Section VI	B2 (xii)	Drainage channels, sumps, pipes and pumps with control panels within tunnels and cross passages and station areas	Please confirm that only construction of drains is in Scope. Design of drainage works is not in scope	Yes.
581.	Section VI	B2 (xvi)	Swargate development plan shall be well integrated with Swargate underground station by means of subways/foot over bridges as shown in Employers Drawing along with the required Building Services (the details of which shall be determined at the detailed design stage), Architectural Builder's Works and Finishes etc. complete in all respects including all provisions required for installation of ventilation system by the Ventilation and ECS Contractor	FOB Details are not given in Architectural Drawings. Please provide the details to estimate the quantum of work & related cost	FOB is not envisaged in swargate station
582.	Section VI	B2 1(xxxiii) to B2 1(lxxix)	Points related to Design, manufacture, supply of electrical & mechanical items	Please confirm Design of E&M works is not in our scope	Detailed design will be provided by Employer. However shop drawings to be prepared by civil contractor.
583.	Section VII S.02	2.3 (2) c)	There may be certain locations along the alignment, where blasting shall not be permitted.	Please confirm the restriction criteria for blasting.	Refer ODS, Section VII, S.02, Clause 2.3, item 2C.
584.	Section VII S.02	Table 2.2	Table giving Minimum & Nominal Covers for Structures	Minimum Cover required shall be 75mm for structures in direct contact with Soil (D-Wall / Piles) For structures, that are cast over PCC / shuttering and soil contact comes later	Tender Conditions prevails

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				(such as Roof Slab, Retaining walls, Base Slab etc), Minimum cover shall be changed to 50mm. This is in line with Metro Projects elsewhere in country.	
585.	Section VII S.02	Table 2.2	Table giving Minimum & Nominal Covers for Structures	Cover for Retaining Wall not given	Any structure forming part of Permanent work or constructed for facilitating the station permanent structure construction shall have minimum cover as given in table 2.2.
586.	Section VII S.02	2.7.11	Underground vertical elements that are in direct contact with the ground shall be designed as permanent retaining walls to resist the lateral earth pressure at rest. The Contractor shall deduce the earth pressure coefficients based on his geotechnical investigations. For rock masses the coefficient of earth pressure should be based on in-situ stress condition	Please confirm the Value of K_0 to be used as per current Soil data available.	It is part of bidder's scope of work.
587.	Drawings		Alignment Drawing	Please confirm Crossover shown before Swargate Station has to be done using NATM	Yes
588.	Drawings		Budhwarpeth Station	Big cutouts shown at Mezzanine Level-I may be difficult to provide as there is no space for Waler Beam. Please confirm reduction of cutout size will be permitted during detailed design, if required.	Tender condition prevails.
589.	PART I-Section IVA		Item Based BOQ with quantities provided for Architecture and MEP.	As quantities have been provided in the BOQ for Architectural and MEP items, please confirm that Architectural and MEP design is part of contractor's scope.	Detailed design will be provided by Employer. However shop drawings to be prepared by civil contractor.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
590.	PART I-Section IVA,4		Bidders Technical Submission	If Architectural & MEP design is not in scope of contractor, Please Confirm that items listed in 4.16 to 4.21 is not to be submitted as part of Technical Submission	Tender condition prevails.
591.	Part II- ER-Sec VII-ODS- S.03	3.2.1	The soil investigations undertaken by the Employer shall not be relied upon to provide adequate information concerning the nature of the ground to enable the contractor to fully develop comprehensive method statements for geotechnical , bored tunneling, NATM tunneling and cut and cover works and related activities .	Is the judgment of adequacy inferred by contractor on the basis of additional investigations?	Tender Condition Prevails
592.	Part II- ER-Sec VII-ODS- S.03	3.2.2(9)	Additional GI should result in investigations spacing no greater than 50m centres for the whole route and not less than 12 per station and in addition to borelogs drilled for tunnel two per cross passage.	Is the quantity of investigations, a stringent requirement? Is there a limit to the area (at NSL) for extrapolation of results around any given borehole?	Tender Condition Prevails
593.	Part IV- Reference Document		GIR	Is the GFR with bore logs and lab test data available? Please share.	Available information is provided in Tender document, and is only for reference.
594.	GIR	Part IV, Cl No 6.1	Regarding the aggressive nature of water so far, we have concluded in out GIR (based on results from Tender Geotechnical factual report) that the ground water is non- aggressive.	During the further site investigation after award of work, if it is found that ground water is aggressive & contain the high quantity of sulphate & chloride more than permissible limit as per IS 456: 2000. How will client compensate the contractor for fulfilling the additional requirements of protection against sulphate & chloride.	Tender Condition Prevails

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
595.	Section VII - Outline Design Specifications	1.1.2 - Design Standards	British Codes (BSI) are being referred	Can Eurocodes/CIRIA Guidelines/ICE Standards be used?	Refer to clause 1.1.2 in tender document.
596.	Section VI - Employers Requirement Section D - Construction	D2 - CHECKING OF THE CONTRACTOR'S TEMPORARY WORKS DESIGN	The Contractor shall, prior to commencing the construction of the Temporary Works, submit a certificate to the Engineer, based on the 'Design Certificate' enclosed as Attachment C1 of this Employers Requirement - Design., signed by the Lead Designer and the Lead Design Checker, certifying that the Temporary Works have been properly and safely designed and checked, and that the Contractor has checked the effect of the Temporary Works on the Permanent Works and has found this to be satisfactory.	Is certifying temporary structure in DDC scope?	Please refer Part - 2, Section VI, Section C, Clause C1 item 3.
597.	Dwg No PML1-IC-AL-UGC-0221 to 0224	ARRANGEMENT OF PLAN AND LONGITUDINAL SECTION		<p>As per SOD provided, Max Cant Deficiency 85mm Max Cant: 110 Operating Speed 85kmph</p> <p>ODS Design Standard provided, Max Cant Deficiency 100mm Max Cant: 125 Operating Speed 80kmph</p> <p>Please clarify and correct the curve table/ODS/SOD accordingly</p>	SOD requirements shall be followed. SOD given along with Tender document is a provisional SOD, and contractor shall follow the approved SOD during execution stage.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
598.	Section VII - ODS, S.03-Geotechnical, Bored and NATM Tunnels	Cl No 3.8	The distance between adjacent cross-passages in the tunnel shall be provided as per clause NFPA 130-2010, clause 6.2.2.3.2	Can it be superseded by NFPA-130:2017	Tender condition prevails.
599.	Section VII - ODS, S.03-Geotechnical, Bored and NATM Tunnels			Allowable Limits of ground movement in horizontal & vertical directions not provided	Refer ODS, Section VII, S.03, Clause 3.4.1
600.	Section VII - ODS, S.03-Geotechnical, Bored and NATM Tunnels			No provision for SFRS in replacement of Wire Mesh is provided	Scope of work in this tender is Design and Build in nature. Tender Condition prevails.
601.	Section VII - ODS, S.01-Design Standard and Rail Geometry	1.1.2 Codes and Standards		Few Codes not mentioned, IS 1498 (Soil Classification), IS 8764 (Point Load Index Test), IS 4464 (Rock Classification), IS 9143/13047 (UCS Test) etc.	Provided code list is for reference only. Scope of work entrusted vide this tender is design and Build in nature.
602.	General	All NATM works		Is the land available for doing ground treatment works from surface as pre-supporting of NATM tunneling?	Tender condition prevails
603.	General	Tender Drawings		Please provide the CAD files of all drawings of respective field.	CAD drawings may be obtained from PMRP office for reference purpose only. However Tender drawings (PDF version) shall prevail.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies																
604.	NIT	Date & Time of Submission of Tender	Online submission up till 16.00 Hrs. on 26.07.2018 in Maha-Metro's e-tender portal.	We request you to extend bid submission date by 4 (four) weeks from the current date of submission.	Please refer respective corrigendum.																
605.	Part 1 - Section IV a - Bidding Forms	5.12	Form - 2(c): Detailed Design Consultancy	<p>Kindly advice on the proper filling in of the form: "Form – 2(c): Detailed Design Consultancy". More specifically:</p> <p>Question/Field: 1. Key Activity No. (1): Total Quantity of Activity under the Contract: <i>Does this section have to be filled in with the percentage that the key activity/ies described above maintain in the total contract?</i> I.e. 20% of the total contract or 2,000,000 USD out of 10,000,000 USD of the total contract. <i>Please clarify.</i></p> <p>Question/Field:</p> <table><tr><td>Role in Contract (check the appropriate box)</td><td colspan="2">Contractor</td><td>Subcontractor</td></tr><tr><td></td><td>Single <input type="checkbox"/></td><td>JV <input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table> <p><i>Contractor</i> In the case of the Detailed Design Consultant filling in the form the term Contractor apparently refers to the Designer (DDC). <i>Please clarify.</i></p> <p>Question/Field:</p> <table><tr><td>Quantity (as applicable) performed under the Contract per year or part of the year [insert extent of participation indicating actual quantity of key activity successfully completed in the role performed]</td><td>Total quantity in the Contract (i)</td><td>Percentage participation (ii)</td><td>Actual Quantity Performed (i) × (ii)</td></tr><tr><td></td><td></td><td></td><td></td></tr></table> <p><i>Does column i of the table above have to be filled in with yearly percentages and/or fees per described key activity/ies and not contract price yearly? Please clarify.</i></p>	Role in Contract (check the appropriate box)	Contractor		Subcontractor		Single <input type="checkbox"/>	JV <input type="checkbox"/>	<input type="checkbox"/>	Quantity (as applicable) performed under the Contract per year or part of the year [insert extent of participation indicating actual quantity of key activity successfully completed in the role performed]	Total quantity in the Contract (i)	Percentage participation (ii)	Actual Quantity Performed (i) × (ii)					Tender condition prevails.
Role in Contract (check the appropriate box)	Contractor		Subcontractor																		
	Single <input type="checkbox"/>	JV <input type="checkbox"/>	<input type="checkbox"/>																		
Quantity (as applicable) performed under the Contract per year or part of the year [insert extent of participation indicating actual quantity of key activity successfully completed in the role performed]	Total quantity in the Contract (i)	Percentage participation (ii)	Actual Quantity Performed (i) × (ii)																		
606.	Section III B - Qualification Details and Criteria	4.2 Additional Notes for the Bidder:	Note 1.... all Completion Certificates or Performance Certificates or Implementation Completion Reports shall be translated to unambiguous English language and bidders from member countries of Hague convention may submit all these documents with apostille stamp.	We understand that in case performance certificates for projects outside India are originally issued in English language, no submission with apostille stamp is required. Kindly confirm.	Tender condition prevails.																
607.	Part II - Employer's Requirement	(14)	Interface Coordination for TBM Operations at Budhwar Peth Station	In case the Budhwar Peth station's NATM portion is not ready in order to drag TBM (of Package 1), we understand that additional cost of boring up to the C&C	Tender condition prevails. Please refer corrigendum - S. No. 34																

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	Section VI - Employers Requirement Appendix 2A - Works Area			portion of Budhwar Peth station is borne by UGC-01 Civil Contractor. Kindly confirm. We understand the key dates will be suitably modified if impacted by such operations	
608.	Part II - Employer's Requirement Section IX- Tender Drawings	PML1-IC-BDP-ARC-0246 AND PML1-IC-MND-ARC-0254	Cross Sections of NATM parts of Budhwarpeth and Mandai Stations respectively.	For Budhwarpeth NATM station, a significant additional excavated area (below the TOR level) for TVS is foreseen contrary to the Mandai Station NATM cross section. 1. Please provide sufficient details on the MEP requirements of NATM parts of both stations. 2. Where do those TVS chambers of Budhwarpeth NATM station lead in interfaces with TBM tunnel and C&C station?	Tender condition prevails. 1. Employer will provide drawings for MEP works during detailed design stage. Please refer Corrigendum - S. No. 47 2. Please refer tender drawings.
609.	Part II - Employer's Requirement Section IX- Tender Drawings	PML1-IC-AL-UGC-0224	Shivaji Road U/C Underpass and Flyover	Please provide level data for the corridors of Shivaji road in the vicinity of the Swargate Station. Specifically, bottom slab level of underpass and details and levels of flyover's foundations are considered critical for estimating the technical difficulties of TBM tunnel works and NATM Crossover excavation.	It is part of bidder's scope of work.
610.	Part II - Employer's Requirement Section IX- Tender Drawings	PML1-IC-AL-UGC-0225	Cross passage for staff escape and storage of maintenance material at ~ch. 16+820	Please provide geometrical and/or other requirements for the cross passage of stabling yard. Kindly provide a cross section for this cross passage in case not the cross section B-B of tender drawing PML1-IC-RT-CP-0051 is applied.	Please refer to Tender drawings.
611.	Part IV - Reference Documents Section XIII - Geotechnical			Kindly provide the borehole logs and other lab testing data for better understanding of the area.	Please refer to corrigendum - S. No. 41

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	Interpretative Report				
612.	Part II - ER Section IX- Tender Drawings			Please provide Tender drawings in editable format.	CAD drawings may be obtained from PMRP office for reference purpose only. However Tender drawings (PDF version) shall prevail.
613.	Part II - ER Section IX- Tender Drawings			Kindly provide bathymetrical data of the Mutha/Jhopadpath canal at approx. ch. 16+650) in the vicinity of the Swargate Station.	It is part of bidder's scope of work.
614.	Part I - Bidding Procedures Section IV a - Bidding Forms	4. Technical Proposal - 4.4 Bidder's Technical Submissions	4.16, 4.17, 4.18, 4.19, 4.20 and 4.21	Our understanding is that requirements 4.16, 4.17, 4.18, 4.19, 4.20 and 4.21 do not apply for Bidder's technical submission.	Tender condition prevails.
615.	Section VI - Employers Requirement Appendix 2A - Works Area	14	Interface Coordination for Sharing Works area and completed works by Advanced Contract for Swargate (UGC-04)	Kindly provide scope of under progress works of contract UGC-04 i.e. scope of works dimensions, purpose, design specifications, other works in vicinity and construction schedule. Instrumentation & Monitoring of the enabling works shall be in whose scope.	Necessary information is provided in Tender drawings/ document. Interface is part of bidder's scope of work. Please refer corrigendum - S. No. 35
616.	Part 2 Sec Ix	Tender drawing	GA Drawings PMC- IC- BDP-ARC/041 PMC-IC-MND-ARC 0251 PMC-IC-SWG-ARC 0261 Notes On ARCHITECTRE MEP DESIGN	Since MEP and Architecture is the responsibility of the Employer, the Drawings need to be clarified so that the contractor is responsible for Structural Design only.	Employer will provide drawings for Architectural finishes and MEP works. Please refer Corrigendum - S. No. 47
617.	-do-		PMC- IC- BDP-ARC/251 Property development to be catered "as agreed with the Employer"	Loading for Property Development above the station is required to be supplied.	There is no property development at Mandai and Budhwar Peth Stations. Please refer corrigendum - S. No. 46

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
618.	-do-		PMC-IC-SWG-ARC 0261	Entry 1 & 2 are excluded as the subway is to be done by others. Extant of inclusion in the tender scope to be clarified. Entry3 is excluded as the subway is to be done by others. Extant of inclusion in the tender scope to be clarified.	Yes, these are in UGC-04 Contractor's scope. Please refer corrigendum - S. No. 35 & 46
619.	Part1/ Section IV-B	Payment Schedule for B to G, Pg. 11-26	Payment schedules are given for the price Centre B, C, D, E and G.	There will be huge negative cash flow in case the payment schedule as shown is adopted. We request you to modify the payment schedules B to G as per Annexure-1 attached with this queries.	Tender condition prevails.
620.	Part II	VI - Employer's Requirement Section D-Construction Cl. 18	Casting Yard- The Employer will provide no land for the casting yard.	We require large land for setting up of the casting yard, which is difficult to acquire in Pune. Request you to help us to acquire government land for this purpose and indicate the lead for this land from work site.	Tender condition prevails.
621.	Part I	Bidding Procedures Section IV a-Appendix to BID, Cl. 24	Commencement of Works - The Commencement date shall be : Date given in LOA or Employer's Notice to Proceed	Please define and fix the date of Commencement of Work, as all the key dates will be reckoned from this date. Further, all our planning Hence Planning will be done with reference to the commencement date.	Tender condition prevails
622.				Kindly provide the Following information 1) Detailed Project Report 2) Drawings in CAD format (Approved by the Employer) and CTB file	DPR copy (Updated Nov 2015) can be downloaded from Maha-Metro website. CAD drawings may be obtained from PMRP office for reference purpose only. However Tender drawings (PDF version) shall prevail.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
623.	Part-III	Part III - Conditions of Contract & Contract Forms Section X - PCC Cl. 14.2.2	The total advance for Plant and Machinery shall be limited to 6% of Contract Price and will be paid with interest free in Indian Rupees against submission of Bank Guarantees	Considering the magnitude of the Project, the amount of initial installations and equipment is very high. We believe that the amount of Plant & Machinery advance (6%) is not sufficient. Request to kindly increase the same to 10%.	Please refer corrigendum - S. No. 24
624.	Part-III	Part III - Conditions of Contract & Contract Forms Section X - Particular Conditions Of Contract Cl. 14.2.2	<p>Advance against Plant & Machinery</p> <p>This advance is payable against plant, equipment and machinery excluding, provided the same have reached the site, or in the case TBM or new items meant specifically for the works, firm purchase order has been placed and the invoices received. The plant and machinery shall be valued by the Engineer as follows:</p> <p>a. New items: 80% of purchase price</p> <p>b. Used items in working order: 80% of the depreciated value as assessed by the Engineer</p> <p>c. Items valued at less than Rs. 1, 000,000 (Rs. One million) per unit: Not to be considered</p>	The Clause mentions that the Advance shall only be paid for New plant and equipment. Request to allow for all major equipments including depreciated value of old / old and refurbished equipments. Further request you to provide equipment advance for any type of equipment before equipment reaches site.	Please refer corrigendum - S. No. 24
625.	Part-I	Part I - Bidding Procedures Section IVA - Bidding Forms Cl. 18	<p>Appendix to Bid</p> <p>Cl. No. 18) Performance Security 10% of the Contract Price in types & proportions of currencies in which the Contract Price is payable.</p>	<p>We request you to reduce the Performance security to 5%</p> <p>In case not acceptable, we request you for the following:</p> <p>Consider initial Performance security as 5% and remaining 5% be taken after Project has progressed 50%.</p>	Tender condition prevails.
626.	Part-III	Part III - Conditions of Contract & Contract Forms	<p>Replace 2.1(b) with:</p> <p>The cost of idle labour as per rate of daily wages subject to the assessment and approval of the Engineer.</p>	<p>We request you to reinstate the original FIDIC conditions.</p> <p>2.1(b) Payment of any such Cost plus</p>	Please refer corrigendum - S. No. 20

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
		Section X - PCC Cl. 2.1		reasonable profit, which shall be included in the Contract Price.	
627.	Part-III	Part III - Conditions of Contract & Contract Forms Section X - PCC Cl. 4.7	Replace sub clause 4.7 with the following : The Contractor shall be responsible for (a) Validating the accuracy of the original points, lines, and levels etc. which are basis for proceeding with the work. (b) the accurate setting out of the Works in relation to the original points, lines and levels of reference given by the Engineer in writing (c) the correctness of position, levels, dimensions and alignments of all parts of the Works (d) the provisions of all necessary instruments, equipment, apparatus and labour in connection with the foregoing responsibilities (e) Carefully protecting and preserving all bench marks, sight rails, pegs and other things used in setting out the Works	We request you to include the original FIDIC conditions. If the Contractor suffers delay and/or incurs Cost from executing work which was necessitated by an error in these items of reference, and an experienced contractor could not reasonably have discovered such error and avoided this delay and/or Cost, the Contractor shall give notice to the Engineer and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to: (a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and (b) payment of any such Cost plus reasonable profit, which shall be included in the Contract Price.	Tender condition prevails.
628.	Part-III	Part III - Conditions of Contract & Contract Forms Section X - PCC Cl. 8.9	Consequences of Suspension	We request you to reinstate the original FIDIC conditions. If the Contractor suffers delay and/or incurs Cost from complying with the Engineer's instructions under Sub-Clause 8.8 [Suspension of Work] and/or from resuming the work, the Contractor shall give notice to the Engineer and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to: (a) an extension of time for any such	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and (b) payment of any such Cost plus reasonable profit, which shall be included in the Contract Price.	
629.	Part-III	Part III - Conditions of Contract & Contract Forms Section X - PCC Cl. 14.2.3	The recovery of the Mobilization and Plant and Machinery Advances shall each be made in 24 (Twenty four) equal instalments (once every month) commencing from Sixth month after the payment of advance.	It is requested to consider the Mobilization and Plant and Machinery Advances shall be recovered from the span of 20% of the Invoice value to 90% of the Invoice value in equal instalments.	Please refer corrigendum - S. No. 22
630.	Part-III	Part III - Conditions of Contract & Contract Forms Section X - PCC Cl. 14.8	Interest Entitlement on the delayed Payment: Deleted	It is requested to reinstate the original provisions of the FIDIC Conditions.	Tender condition prevails
631.	Section -VI : Employer Requirement , Appendix 2B - Contract Key Dates and Completion Dates	Key Dates : Budhwarpeth Station , Page -1 Key Dates : Mandai Station , Page -3	<i>KD: 3 - Completion Excavation for Station Box : 308 Days</i>	Bidder understands from the site visit and tender drawings that lot of existing buildings are falling on the footprint area of both Budhwarpeth and Mandai Station. Further Contract KD 3 states that the Excavation For Station Box to be completed within 308 days . Hence it is understood that the entire footprint area of the station box including encroachment free area will be handed over to the Contractor from the first day of the contract. Please confirm.	Land parcels will be made available as stated in Appendix 2A.
632.	Section -VI : Employer Requirement ,	Clause No (1) , Page 1	<i>The Site and works Areas will be made available to the Contractor at different times and for various durations as</i>	The Schedule of Access Dates for The Site and Work Areas is not mentioned on the Appendix 2A. Bidder requests to provide	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	Appendix 2A - Work Area		<i>shown on the Schedule of Access Dates in this Appendix.....</i>	the date of Access for the Site and Works Area in details.	
633.	Price Centre-K; PART-A - ELECTRICAL WORKS FOR BUDHWAR PETH STATION	Item No. E5.14, Pg.226	LED Trunking with System Efficacy > 90 Lumens / Watt , CRI > 80 , with.....	Unit of item no E5.14 is missing. Request you to provide the same.	Please refer corrigendum - Annexure 10.
634.	Price Centre-L; PART - A - ELECTRICAL WORKS FOR MANDAI STATION	Item No. E5.14, Pg. 345	LED Trunking with System Efficacy > 90 Lumens / Watt , CRI > 80 , with.....	Unit of item no. E5.14 is missing. Request you to provide the same.	Please refer corrigendum - Annexure 10.
635.	Price Centre-M; PART - A - ELECTRICAL WORKS FOR SWARGATE STATION	Item No. E5.14, Pg. 464	LED Trunking with System Efficacy > 90 Lumens / Watt , CRI > 80 , with.....	Unit of item no. E5.14 is missing. Request you to provide the same.	Please refer corrigendum - Annexure 10.
636.	Price Centre-M; PART - A - ELECTRICAL WORKS FOR SWARGATE STATION	Item No. E.01.3, Pg. 414	Local Motor Control Panel for Mid tunnel Pumps, as per M & W Specifications & Drawing complete and as per the following details.	For the item no. E.01.3 quantity and unit are missing. Request you to provide the same.	Please refer corrigendum - Annexure 10.
637.	Price Centre-K; PART-A - ELECTRICAL WORKS FOR BUDHWAR PETH STATION	Item E.08.2 q), Pg. 240	Item No. E.08.2 q): 1 x 150 sq. mm: Unit is missing.	Unit of item no. E.08.2 q) is missing. Request you to provide the same.	Please refer corrigendum - Annexure 10.
638.	Price Centre-L; PART - A - ELECTRICAL WORKS FOR MANDAI STATION	Item E.08.2 q), Pg. 359	Item No. E.08.2 q): 1 x 150 sq. mm: Unit is missing.	Unit of item no. E.08.2 q) is missing. Request you to provide the same.	Please refer corrigendum - Annexure 10.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
639.	Price Centre-M; PART - A - ELECTRICAL WORKS FOR SWARGATE STATION	Item E.08.2 q), Pg. 478	Item No. E.08.2 q): 1 x 150 sq. mm: Unit is missing.	Unit of item no. E.08.2 q) is missing. Request you to provide the same.	Please refer corrigendum - Annexure 10.
640.	Price Centre-K; PART-A - ELECTRICAL WORKS FOR BUDHWAR PETH STATION	Item E.10, Pg. 247	TOTAL FOR DIESEL GENERATOR SETS- 1 Set	For the Total of diesel generator sets quantity 1set is given. Request you to check and correct.	Please refer corrigendum - Annexure 10.
641.	Price Centre-L; PART - A - ELECTRICAL WORKS FOR MANDAI STATION	Item E.10, Pg. 366	TOTAL FOR DIESEL GENERATOR SETS- 1 Set	For the Total of diesel generator sets quantity 1set is given. Request you to check and correct.	Please refer corrigendum - Annexure 10.
642.	Price Centre-M; PART - A - ELECTRICAL WORKS FOR SWARGATE STATION	Item E.10, Pg. 480	TOTAL FOR DIESEL GENERATOR SETS- 1 Set	For the Total of diesel generator sets quantity 1set is given. Request you to check and correct.	Please refer corrigendum - Annexure 10.
643.	Price Centre-K; PART - B - FIRE FIGHTING WORKS FOR BUDHWAR PETH STATION	Item F.15.3, Pg. 256	F.15.3 Providing and fixing 150 mm diameter Deluge Valve, Electrical release Trim type (UL Listed), suitable for working pressure of 12.5 bars with flange connection, complete in all respects.	Quantity given is Zero. Request you to check and confirm.	Please refer corrigendum - Annexure 10.
644.	Price Centre-L; PART - B - FIRE FIGHTING WORKS FOR MANDAI STATION	Item F.15.3, Pg. 375	F.15.3 Providing and fixing 150 mm diameter Deluge Valve, Electrical release Trim type (UL Listed), suitable for working pressure of 12.5 bars with flange connection, complete in all respects.	Quantity given is Zero. Request you to check and confirm.	Please refer corrigendum - Annexure 10.
645.	Price Centre-M; PART - B -	Item F.15.3, Pg. 495	F.15.3 Providing and fixing 150 mm diameter Deluge Valve, Electrical	Quantity given is Zero. Request you to check and confirm.	Please refer corrigendum - Annexure 10.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	FIRE FIGHTING WORKS FOR SWARGATE STATION		release Trim type (UL Listed), suitable for working pressure of 12.5 bars with flange connection, complete in all respects.		
646.	Price Centre-K; PART - B - FIRE FIGHTING WORKS FOR BUDHWAR PETH STATION	Item F.12.1.3, Pg. 250	Item F.12.1.3: 40mm: Quantity is missing.	Request you to provide the quantity for item No. F.12.1.3.	Please refer corrigendum - Annexure 10.
647.	Price Centre-L; PART - B - FIRE FIGHTING WORKS FOR MANDAI STATION	Item F.12.1.3, Pg. 369	Item F.12.1.3: 40mm: Quantity is missing.	Request you to provide the quantity for item No. F.12.1.3.	Please refer corrigendum - Annexure 10.
648.	Price Centre-M; PART - B - FIRE FIGHTING WORKS FOR SWARGATE STATION	Item F.12.1.3, Pg. 489	Item F.12.1.3: 40mm: Quantity is missing.	Request you to provide the quantity for item No. F.12.1.3.	Please refer corrigendum - Annexure 10.
649.	Price Centre-K; PART - B - FIRE FIGHTING WORKS FOR BUDHWAR PETH STATION	Item F19.03.6, Pg. 262	Item F19.03.6: Addressable Loop Sounder 6.8 W: Quantity is missing.	Request you to provide the quantity for item No. F19.03.6.	Please refer corrigendum - Annexure 10.
650.	Price Centre-L; PART - B - FIRE FIGHTING WORKS FOR MANDAI STATION	Item F19.03.6, Pg. 381	Item F19.03.6: Addressable Loop Sounder 6.8 W: Quantity is missing.	Request you to provide the quantity for item No. F19.03.6.	Please refer corrigendum - Annexure 10.
651.	Price Centre-M; PART - B - FIRE FIGHTING WORKS FOR	Item F19.03.6, Pg. 501	Item F19.03.6: Addressable Loop Sounder 6.8 W: Quantity is missing.	Request you to provide the quantity for item No. F19.03.6.	Please refer corrigendum - Annexure 10.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	SWARGATE STATION				
652.	Price Centre-M; PART - C - PLUMBING WORKS FOR SWARGATE STATION	Item 20.3, Pg. 519 - 520	d) For Main Seepage Sumps at middle of tunnel.....	Request you to provide the quantity for item No. 20.3 d).	Please refer corrigendum - Annexure 10.
653.	Section X-PCC/Part III	4.28	4.28 Temporary Works (New Clause): All temporary works necessary for the proper execution of the Works shall be provided and maintained by the Contractor at his cost and subject to the consent of the Employer/Engineer shall be removed by Contractor at his own expense when they are no longer required and in such manner as the Employer/Engineer shall direct. In case the Contractor fails to remove the temporary works on completion the Employer/Engineer is authorized to get the same removed and recover the cost thereof from the Contractor.	Kindly define the extent of removal of temporary works such as secant piles/D-wall, whether such temporary structures are to be removed completely or to the depth of 2 m from ground level.	For anchors please refer to ODS, Section VII, S.03, Clause 3.4.2, item 3a) It is to be noted that the Active anchors shall be a retrievable anchors. Whereas, for secant piles/D-wall please refer to ODS, section VII, S.02, Clause 2.11.2.
654.	Section X-PCC/Part III	20.6	20.6 Arbitration	The Section 12(5) of the Arbitration and Conciliation Act, 1996 that any person whose relationship with parties under dispute falls under any categories specified in the Seventh schedule shall be ineligible to be appointed as an arbitrator. Point no.1 of Seventh Schedule specifies that any person who is an employee, consultant, advisor or has any other past or present business relationship with a party is ineligible to be appointed as arbitrator. Thus, the appointment of Arbitral tribunal from the 5/3 person panel provided by	Tender condition prevails

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				Employer would be against the provisions of the Arbitration and Conciliation Act, 1996 since the proposed panel may also include Employers officers. Therefore, in order to avoid delays, disputes pertaining to appointment procedure of arbitrators, it is suggested to alter, amend or modify arbitration clause in line with the provisions of the Arbitration and Conciliation Act, 1996.	
655.	Section IX- Tender Drawings	Work Area Drawing PML1-IC-WA-MND-0211	Work Area Drawing no : PML1-IC-WA-MND-0211 Mandai Station	The work area drawing shows that major portion (more than 50 %) of station area is private land occupied by establishments, shops, buildings etc. Hence, it is requested to provide the land parcel wise land acquisition status for Mandai Station.	Tender condition prevails
656.	Section IX- Tender Drawings	Work Area Drawing PML1-IC-WA-MND-0211	Work Area Drawing no : PML1-IC-WA-MND-0211 Mandai Station	The work area drawing shows that major portion (more than 50 %) of station area is private land occupied by establishments, shops, buildings etc. The Employer being a government agency is in a better position to obtain permission/NOC/approvals for demolition of structures in station areas hence it is requested to obtain the same from your end.	It is part of bidder's scope of work.
657.	Section IX- Tender Drawings	Work Area Drawing PML1-IC-WA-BDP-0212	Work Area Drawing no : PML1-IC-WA-BDP-0212 Budhwar Peth Station	The work area drawing shows that land parcel SBD 01 and SBD 07 of station area is private land occupied by buildings. It is requested to provide the land parcel wise land acquisition status for Budhwar Peth Station and also obtain permission for demolition of existing structures and all establishments.	Tender condition prevails It is part of bidder's scope of work.
658.	Section VI - Employers Requirement	D18 DEMOLITION	DEMOLITION OF EXISTING STRUCTURES.	The work area drawing no: PML1-IC-WA-BDP-0212 of Budhwar Peth station depicts	Tender condition prevails

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	Section D - Construction	OF EXISTING STRUCTURES.	(1) The Contractor shall be provided the site areas free of legal encumbrances to access, fencing and the undertaking of the Works.....	existence of religious structure. The temples have to be sliced or demolished for construction of station. The Employer being a government agency is in a better position to obtain permission/NOC/approvals for demolition of sensitive religious structure encumbering the work areas. Hence, it is requested to obtain necessary statutory permissions for the same, from your end.	It is part of bidder's scope of work.
659.	Section VI - Employers Requirement	Appendix 2B - Contract Key Dates & Completion dates	-	We request you to increase the total duration for completion of project originally from 1270 days (42 months) to 1910 days (63 months). Annexure -1 is attached for further breakup in particular Key dates. The additional time is required as Mandai station's NATM tunnel and NATM crossover before Swargate Station can only be started once TBM tunnel activities gets completed fully.	Please refer corrigendum - Annexure 16 for revised key dates
660.	Part-1	NIT	Bid due date is 26th July 2018.	This is an EPC contract and lots of inputs are required from the designer and the vendors. In the view of above, you are requested to extend the bid due date upto 27th August 2018.	Please refer respective corrigendum.
661.	Part III - Section X	13.8	Price variation adjustment in Price Centers I & J shall be made for 06 items only i.e. (i) Battery Charger Equipment (ii) Capacitors (iii) Lead Acid Batteries (iv) AC/DC ROTATIONG MACHINERY (v) MV Switchgears and (vi) Copper Cables as per the IEEMA formulae (respective formulae) mentioned in	Price variation formula not provided for MV switchgear and copper cables. Kindly provide the formula.	Please refer corrigendum - S. No. 19

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			Clause 13.8.3 for the amount quoted/ confirmed under these items in the bid.		
662.	Section Iva - Bidding Forms	POA, Board Resolution and Joint Bidding Agreement	<u>POA, Board Resolution and Joint Bidding Agreement</u> In the content of POA, Board Resolution and Joint Bidding Agreement the "Consortium" word used everywhere.	Can Bidders participating in Joint Venture (and not Consortium) replace the word "Consortium" with "Joint Venture" at all relevant places of POA, Board Resolution and Joint Bidding Agreement?	Agreed to.
663.		BOQ-PART-A ELECTRICAL WORKS FOR SHIVAJINAGAR STATION-- E.01	SUB-MAIN SWITCHBOARDS AND LOCAL ELECTRICAL PANELS	Please confirm the IEC standards as Both 60439 & 61439 are mentioned in specification. also provide SLD for panels as the SLD which you have provided not contained Ampere ratings of switchgear and only few panels SLD is given. We envisage system house of OEMs for panels, please confirm. Also provide the schematic (SLD) in autocad Format if possible.	Please follow IEC 61439. Please refer Corrigendum Tender condition shall prevail CAD Drawings may be collected from PMRP office. However tender drawings (PDF version) shall prevail.
664.		BOQ-PART-A ELECTRICAL WORKS FOR SHIVAJINAGAR STATION - Sr. No.E.04	WIRING & ACCESSARIES	We have to consider 3 nos 2.5 sq. mm single core, copper conductor,LSZH wires in it. Please clarify.	Tender condition prevails.
665.		BOQ-PART-A ELECTRICAL WORKS FOR SHIVAJINAGAR STATION - Sr. No.E.05	INDOOR LIGHTING AND FANS	Required support for Light Fittings shall be measure separately.Please confirm.	Tender condition prevails.
666.		General		Please share Lighting and Power layout in autocad format to work out the average circuit length. Otherwise kindly furnish average circuit length to be considered.	CAD Drawings may be collected from PMRP office. However tender drawings (PDF version) shall prevail.
667.		BOQ-PART-A ELECTRICAL WORKS FOR CIVIL COURT	Cables	Kindly clarify below mentioned points:- 1. Kindly mention specifically which standard is applicable for LT cable i.e. IS	Please read specifications in conjunction with revised BOQ in Corrigendum.

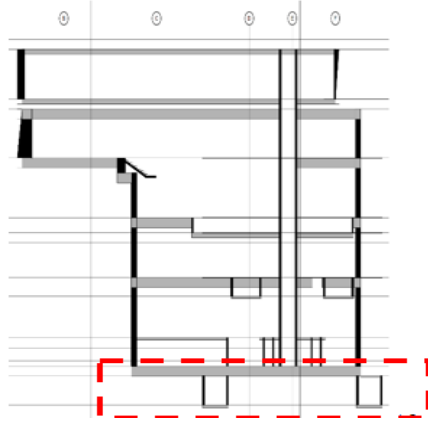
Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
		STATION - Sr. No.E.03.01		7098-1 or BS 6724 and mention the same in attached BOQ for each part . 2. In attached specification clause no 5.4.3.10 copper tape shielding is required in XLPE cable and control cable whereas in attached BOQ it is not mentioned anywhere. Kindly specify the requirement of copper shielding in LT cable, whether required or not? 3. If, copper shielding is required then as per details mentioned below kindly clarify the location of copper shielding in cable. Whether, it is required over laid up core or above inner sheath. Kindly clarify. 4. Kindly specify the armour requirement in BOQ for each part. Whether required or not.	
668.		Tender	For Emergency Lighting	Please note there is no BOQ for the emergency lighting, ITESS,XPES in the tender.	Please refer corrigendum - S. No. 64
669.		BOQ Price Center I E.01.1	Price breakdown structure	Price breakdown structure of BOQ Price Center I E.01.1 is not clear. Please confirm that amount of subitems; a,b,c will not be added on E.01.1	Please refer corrigendum - Annexure 10.
670.		BOQ Price Center I E.01.1	Price breakdown structure	Price breakdown structure of BOQ Price Center I E.01.1 C.1 is not clear. Please confirm that amount of subitems; a,b,c... m will not be added on E.01.1 C.1	Please refer corrigendum - Annexure 10.
671.		BOQ Price Center I E.01.1	Price breakdown structure	Price breakdown structure of BOQ Price Center I E.08.2 is not clear. Please confirm that amount of subitems; d,e,f... q will not be added on E.08.2	Please refer corrigendum - Annexure 10.
672.		BOQ Price Center I	Price breakdown structure	Price breakdown structure of BOQ Price Center I summary Part A (Electrical Works) is not clear. If abow mentioned items will	Please refer corrigendum - Annexure 10.

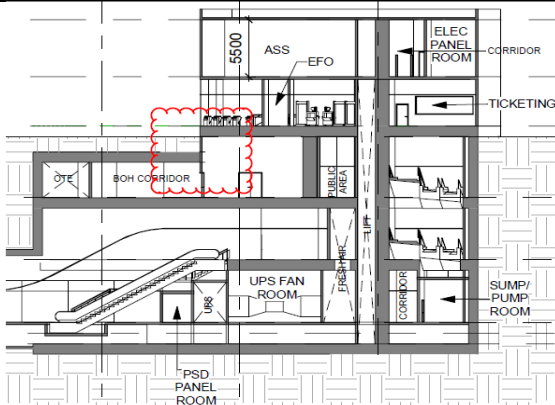
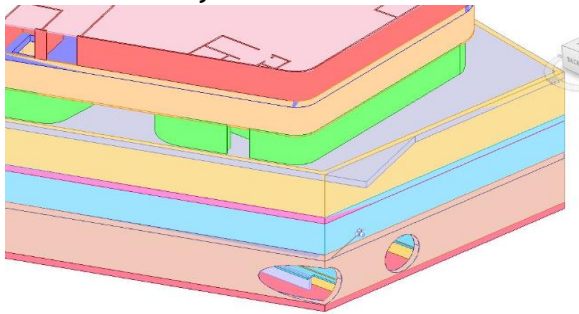
Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				include amount of their subitems, then please confirm that "Electrical Works" amount should exclude the amount of those mentioned subitems due to aware of amount duplication.	
673.		BOQ Price Center I F.19.01	Fire Alarm Panel	Please specify the quantity for each sub point of line item no F.19.01	Please refer corrigendum - Annexure 10.
674.		BOQ Price Center I F.19.1.5	PC with 21" TFT + 80column Printer.	In line item no. F.19.1.5, kindly clarify whether the column printer is required inside the panel or needed separately.	Column printer to be supplied inside the panel.
675.		BOQ Price Center I F.19.1.7	Amplifier card	Please clarify where Amplifier card is needed.	Yes
676.		BOQ Price Center I F19.03.7	Response Indicator	Please clarify whether we need to take the response indicator of local make or not.	No.
677.		BOQ Price Center I F19.03.16	High Temperature (min. 80 C degree trip) Heat detector	Please specify the make list for the same.	Please refer corrigendum - Annexure 8
678.		BOQ Price Center I F.21	Vesda System	Please note we need the drawings for Electrical Rooms & Signal and Communication Equipment Rooms and rooms where Sensitive equipment.	Please follow revised BOQ in corrigendum - Annexure 10
679.		Tender	For BMS and Scada	Please note there is no BOQ for the BMS/Scada but IO summary and make list are mentioned for the same in the tender.	BMS/SCADA is excluded from this contract. I/O List summary was provided for reference and information the contractor while ordering for MEP equipment.
680.	Drawing no PML1-IC-WA-SWG-213 PML1-IC-SWG-ARC-0261		Ancillary building & utility Gallery us SSW 03 area .More over this located above the property development	We request to provide the Section of Ancillary building and Utility Gallery as well as supporting arrangement below Ancillary Building and Utility Gallery	Complete details, design and drawings will be provided by Employer at the time of detailed design stage and during actual execution.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
681.	Drawing no PML1-IC-SWG-ARC-0261		Entry 4	Please confirm whether excavation & Temporary retaining system for Entry 4 will be done others since it is part of Subway. Please provide the proposed schedule of Subway works.	Yes. Please refer corrigendum - S. No. 35 & 46
682.	Drawing no PML1-IC-SWG-ARC-0261& 0262		Entry 4	As Entry no. 4 is over property development area, we request to clarify the support arrangement coming out from property development.	Entry 4 is independent of Property development. Yes. Please refer corrigendum - S. No. 35 & 46 UGC-02 Contractor shall interface with designated contractor for any inputs on design/construction.
683.	Drawing no PML1-IC-SWG-ARC-0261& 0262		Entry Exit 1 & 2	Please confirm whether excavation & Temporary retaining system for Entry 1 & 2 will be done other since it is part of Subway. Please provide the proposed schedule of Subway works.	No, this is part of UGC-02 scope of work. Please refer corrigendum - S. No. 35 & 46
684.	Drawing no PML1-IC-SWG-ARC-0261			A black bold line is shown in the drawing. We request to clarify the meaning for the same.	The black dash-dot line indicates property boundary
685.	Drawing no PML1-IC-SWG-ARC-0261		Subway	Since the subway will be executed by other, we request to provide the location of Knock out panel at all interface.	Please refer corrigendum - S. No. 46
686.	Drawing no PML1-IC-SWG-ARC-0261 to 0265			As per the drawing a gap is shown between the station box and property development. We request to provide the dimension of the same throughout the station length.	UGC-02 Contractor shall interface with designated contractor for any inputs on design/construction.
687.	Drawing no PML1-IC-SWG-ARC-0261 - 0265			Can Expansion joints be provided between property development and station box?	It is part of bidder's scope of work. Contractor to interface the details with designated contractor during design/construction stage.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
688.	Drawing no PML1-IC-SWG- ARC-0261 - 0265			We understand that property development above the station box area is proposed. We request to provide Grid wise loading coming due to property development above the station shall be provided.	UGC-02 Contractor shall interface with designated contractor for any inputs on design/construction.
689.	Drawing no PML1-IC-SWG- ARC-0261 - 0265		Swargate station	We understand that Instrumentation & Monitoring for the temporary support along with the monitoring of temporary structure during the construction of station is not in the scope of the present contract. Please Clarify	Please refer corrigendum - S. No. 35
690.	Section VI - Employers Requirement - Section B - Functional - Scope of work			We also understand that all temporary structure required for the excavation of station box including the maintenance (any rectification or additional support required) of the support is not in the scope of present contract. Please Clarify.	Please refer corrigendum - S. No. 35
691.	Drawing no PML1-IC-WA- SWG-213 PML1-IC-SWG- ARC-0261			In the referred drawing light blue colour hatch has different orientation (SSW-02 & SSW-03). From the different orientation we understand that the work area will be handed over in 2 different levels. Please confirm that work area SSW-03 around station will be at base level and SSW 03 in other orientation will be at road level	Land parcels will be made available as stated in Appendix 2A.
692.	Drawing no PML1-IC-WA- SWG-213 PML1-IC-SWG- ARC-0261			Please provide work area space around Entry exit 1 & 2	Please refer corrigendum - S. No. 40
693.	Drawing no PML1-IC-WA- SWG-213 PML1-IC-SWG- ARC-0261			We understand from drawing that many property developments around the swargate station. Since many part of station are to be interfaced with property development contractor, we request to	It is under bidder scope of work. Contractor to interface the details and schedule with designated contractor during design/construction stage.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				provide tentative time of starting of those projects.	
694.	Drawing no PML1-IC-WA-SWG-213 PML1-IC-SWG-ARC-0213			We request to provide the excavation boundary of station and property development.	Available information is provided in Tender drawings. Contractor to interface the details with designated contractor during design/construction stage.
695.	Section VII, ODS S.02-C&C S, Clause-2.9.1		2.9 Design Groundwater Levels 2.91. General The Groundwater to be assumed in design for various stages or conditions shall be as follows: "Construction" - Groundwater level at measured maximum elevation plus 1.5 "Service/Operation" - Maximum Flooding level at 1 in 50 years plus 1.5m "Accidental" - Groundwater level at ground level "Extreme" - Maximum Flooding level at 1 in 50 years plus 2m	We understand that the property development nearby swargate station is designed by "MAHA Metro", so we request to provide the maximum flooding details 1 in 50 years considered for the same. Further We understand that, Maximum flooding level requirement is for architectural to design flood protection wall and it's no relevant with structural design as the design will have been considered sufficient surcharge as mentioned in ODS of this contract, which cater the flooding load please clarify.	It is part of bidder's scope of work.
696.	Part II - Employer's Requirement Section IX- Tender Drawings	PML1-IC-BDP-ARC-0241	"Property Development Stilt Level" AND "Property development above	Kindly provide layout of the property developments, loads applied to ground or directly to UG station and any other condition / restraint / constraint that has impact on the structural integrity of the UG station by the referred developments.	There is no property development at Mandai and Budhwar Peth Stations. Please refer corrigendum - S. No. 46
697.	Part II - Employer's Requirement Section IX- Tender Drawings	PML1-IC-BDP-ARC-0241	"DG and cooling towers above" AND Any ancillary building foreseen	Kindly provide layout of the ancillary structures as well as all loads applied to ground or directly to UG station.	Complete details, design and drawings will be provided by Maha-Metro at the time of detailed design stage and during actual execution.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
698.	Part II - Employer's Requirement Section IX- Tender Drawings	PML1-IC-BDP-ARC-0245	"Trench below Undercroft"	<p>The indicated trenches that accommodate TVS are located (per Tender drawings) by/under the station box as presented in following sketch:</p>  <p>Please provide alternative route/solution for TVS and Relief for structural but also for functional reasons.</p>	Complete details, design and drawings will be provided by Maha-Metro at the time of detailed design stage and during actual execution.
699.	Part II - Employer's Requirement Section IX- Tender Drawings	PML1-IC-MND-ARC-0251	"Future property Development/service core By others. Civil contractor to consider the structural Loads of property Development above station as agreed with employer.	Kindly provide layout of the property development, loads applied to ground or directly to UG station and any other condition / restraint / constraint that has impact on the structural integrity of the UG station by the referred development.	<p>There is no property development at Mandai and Budhwar Peth Stations.</p> <p>Please refer corrigendum - S. No. 46</p>
700.	Part II - Employer's Requirement Section IX- Tender Drawings	PML1-IC-MND-ARC-0251 AND PML1-IC-MND-ARC-0252 AND PML1-IC-MND-ARC-0254	Property boundary at grid 19	Property boundary at grid 19 does not allow the construction of the outer wall of Mezzanine 1 level (at grid 19). The case is obvious by overlaying mezzanine 1 plan and street level plan but also in longitudinal section (dwg 0254):	Tender condition prevails.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				 <p>Property boundary must be revised because in case it is obeyed the required wall will infringe on EM shafts already designed with potential impact to the whole station layout.</p>	
701.	Part II - Employer's Requirement Section IX- Tender Drawings	PML1-IC-MND-ARC-0253	Soft-eye wall at grid 1 - Interface with TBM tunnel	<p>The interface of TBM tunnel with UG station at grid 1 comprises significant constructability issues.</p>  <p>Please reassess the concept of tunnel alignment and/or station box layout</p>	It is part of bidder's scope of work.
702.	Part II - Employer's Requirement	2.6.1	Concrete Grade for Temporary structures	Please provide concrete grade for temporary structures (reinforced piles and soft piles, pile-cap etc.)	Refer to ODS, Section S.02, clause 2.6.1

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	Section VII-ODS				
703.	Part II - Employer's Requirement Section VII-ODS	2.6.1	Concrete Grade for NATM	Please define the minimum grade of shotcrete for temporary support of NATM works.	Refer to ODS, Section S.02, clause 2.6.1
704.	Part II - Employer's Requirement Section VII-S.03 Geotechnical, bored and NATM tunnels	3.4.1 (1) 3.4.6 (2)	Zone of Influence	<p>1. No definition for the "zone of influence" is provided in the ODS. This shall be defined both geometrically and in terms of displacements (settlement and horizontal displacements).</p> <p>2. The term "certain distance beyond" shall be clarified or removed from specifications. Moreover, since no impact is predicted from tunneling or excavations beyond the zone of influence, the EBS impact assessment is not feasible outside the zone of influence.</p> <p>3. Settlement and ground slope (tilt) limit criteria for any structure is 10mm and 1/500 respectively. As mentioned in 3.4.6, for critical/sensitive structures, a "more stringent slope and settlement criteria shall be adopted to comply with the provisions of clause 3.4.1(10)", i.e. "negligible" degree of damage according to Table 3.1. This shall be defined to allow a Stage 1 Assessment for critical/sensitive structures.</p>	<p>1. Please refer ER, Section VI, clause D (9).</p> <p>2. Influence zone beyond the 50m as mentioned in above clause shall be based on settlement analysis.</p> <p>3. Tender condition prevails</p>
705.	Part II - ER Section VII-S.03 Geotechnical, bored and NATM tunnels	3.4.1 (10)	Building Damage Classification	The type of critical/sensitive structures shall be clearly defined, without allowing deviations.	Please refer Part II, Section VII, ODS, S.03, Table 3.1

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
706.	Part II - Employer's Requirement Section VII- S.02 Cut & Cover Structure S.03 Geotechnical, bored and NATM tunnels	2.10.4 (2) 3.4.1 (5)	Water Control in Excavations	In 2.10.4 (2) is mentioned that "In any case the Groundwater table shall not be allowed to get lowered by more than two (2) meters below the lowest recorded groundwater table....". However, in 3.4.1 (5) is mentioned that "..., shall be controlled such that the water table doesn't get lowered by more than one meter below the lowest recorded groundwater table....". Please clarify the inconsistency.	Clause 3.4.1 to be followed. Please refer corrigendum - S. No. 38
707.	Part II - ER Section VII- S.03 Geotechnical, bored and NATM tunnels	3.4.2 (3)	Excavation Lateral Support	Please clarify if the implementation of pre-stressed anchors as a temporary support measure for the excavation of Mandai Station and Budhwar Peth Station is allowed.	Tender condition prevails.
708.	Part II - Employer's Requirement Section VII- S.02 Cut & Cover Structure	2.7.6	Temporary steel structures design	Please clarify the temperature effect and eccentricity, if any, which have to be considered for the design of temporary steel structures.	Tender condition prevails.
709.	Part II - Employer's Requirement Section VII- S.02 Cut & Cover Structure	2.9.2	Flotation	Our understanding is that NATM parts of stations will be considered as integrated to the box parts for floatation checks. Please confirm.	C&C tunnel shall satisfy the flotation check.
710.	Drawing no PML1-IC-WA-SWG-213	Note: Bullet point no 7 of 1st column	The contractor to recover street median at new centre of road to make lanes even on both sides of the street. Consultation to the highways department/employer /local body and	Please provide scope of work with detail sketch	Details will be provided to the successful bidder during detailed design stage.

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			other relevant authorities of pune may be required.		
711.	Drawing no PML1-IC-WA-SWG-213	Note :Bullet point no 4 of 2nd column	The contractor shall design and propose best landscape and street furniture arrangement as far as it is appropriate and this is subject to the employer's approval	Please provide scope of work with detail sketch	Landscaping details will be provided to the successful bidder during details design stage.
712.	Part II	VI (Appendix 2A) Cl. 12	Schedule of Site Access Dates: The land parcels as shown in Work Area Tender drawings will be shared in piece and parcels based on Contractor's construction programme and upon receipt of request from Contractor.	<p>We understand that Employer will hand over land based on Contractor's Construction Programme. Clause 14 of Appendix to Bid states that the land will be handed over in a progressive manner and the last stretch will be given within 12 months. We find that both(Clause 14 of Appendix to Bid & Clause 12 of appendix 2A) these clauses are contradictory.</p> <p>Further, Contractor will need land around the station for working, which cannot be indicated in the Construction Programme. Hence, we request you to kindly provide drawings of land parcels indicating date of handing over.</p>	The area shown in Work Area Tender drawings will be handed over to successful bidder in line with tender conditions in Appendix - 2A
713.	Part II	VI(Section-D) Cl. 27	Disposal of Excavated Material:The Employer has identified a muck disposal site located at *** with a disposal volume capacity adequate to dispose of the spoil/muck generated on this Contract package. This site can be utilized by the Contractor for disposing of surplus muck/spoil.	From the clause we understand that muck disposal site will be provided by employer, but few aspects such as distance from each site & capacity etc. is not clear from the clause. We request to provide the details of the same, We further request you to confirm if the muck disposal site is provided free of cost to the contractor.	Please refer corrigendum - S. No. 36
714.	Part II	Section IV a (Appendix to Bid) Cl. 14	Time for access to the Site: Access to site will be given in a progressive manner within a week's time of issue of LOA.	We request you to provide us dates of handing over of different portion of land shown on drawing no.PML 1-IC-WA-MND-0211, .PML 1-IC-WA-BDP-0212, .PML 1-IC-	The area shown in Work Area Tender drawings will be handed over to successful bidder in line

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
			The last stretch of site will be given within 12 months of LOA.	WA-SWG-0213. This is essential for our work plan & preparing construction Programme. The period of 12 months for handing over last stretch of land, appears too late, as stringent milestones have to be achieved. Hence, request you to hand over all pieces of land within 3 months of issue of LOA, and also define the date of last stretch of land to be handed over.	with tender conditions in Appendix - 2A
715.	Part II	VI - Employer's Requirement (Appendix 8) Cl. 4 b	Electricity, water, telephone and sewerage shall be provided by the Contractor, as required, for all temporary buildings.	Request you to assist us to get electricity and water by recommendation and persuading to Govt. Agencies	Tender condition prevails.
716.	Part II	VI - Employer's Requirement Section-B B2- XXX	Water Supply at each station with alternative facilities (bore wells with pumping equipment, facilities etc.) to draw ground water whenever there is a short fall of authority water. The System shall include potable water system, water system for firefighting, cooling water make up system(water requirement for ECS system), water supply system for plant and equipment, water supply system to toilets, storage tanks etc and as per the Contract stipulations;	We are unable to locate details of bore well required for each stations, kindly indicate locations of borewell and water treatment plant location at each stations.	No bore wells are allowed in work area
717.	Part II	VI - Employer's Requirement Section IX- Tender Drawings	Utility Drawings- Utility drawing for Swargate Station	We are unable to locate drawings for Utility Diversion for Swargate Station, Retrieval Shaft. Request you to provide the same. Also request you to provide the BOQ for the Chartered Utility works.	Available utility informations are provided in tender drawings.
718.	Part II	VI - Employer's Requirement Appendix 2B-	Contract Key Dates KD-5 Assembling and Start of Initial	It is observed that the key dates given in the Contract appear impracticable, as the	Please refer corrigendum - S. No. 33

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
		Contract Key Dates & Completion Dates	drive for TBM-1 - 364 days (12th month) KD-6 Assembling and Start of Initial drive for TBM-2 - 392 days (13th month)	mobilization and assembly of the TBM itself will take 12 to 14 months. Request you to extend the key dates by 2 months. Please Confirm.	
719.	Part II	VI - Employer's Requirement Appendix 2B- Contract Key Dates & Completion Dates	Contract Key Dates <u>Budhwar Peth Station</u> KD-3 Completion Excavation for station box- 308 days (11th Month) <u>Mandai Station</u> KD-3 Completion Excavation for station box- 364 days (11th Month)	It is observed that the key dates given in the Contract is impracticable, Since initial 6 to 7 Months will be barricading, utility diversion, mobilization , followed by construction of Piling or Diaphragm Wall for next 5 to 6 Months. Further even considering the highest possible progress rate of excavation it is difficult to meet the key dates. Hence, Request you to extend the key dates and modify all other related key dates accordingly.	Please refer corrigendum - S. No. 30, 31 & 32
720.	Part-III	Part III - Conditions of Contract & Contract FormsSection X - Particular Conditions Of Contract Cl. 14.2.2	Advance against Plant & MachineryThis advance is payable against plant, equipment and machinery excluding, provided the same have reached the site, or in the case TBM of new items meant specifically for the works, firm purchase order has been placed and the invoices received. The plant and machinery shall be valued by the Engineer as follows:a. New items: 80% of purchase priceb. Used items in working order: 80% of the depreciated value as assessed by the Engineer c. Items valued at less than Rs. 1, 000,000 (Rs. One million) per unit: Not to be considered	We could not clearly understand the first sentence(This advance is payable against plant, equipment and machinery excluding, provided the same have reached the site, or in the case TBM of new items meant specifically for the works) of the clause request you to kindly clarify.Request to allow advance for all major equipments including full value of the depreciated value of old / old and refurbished equipments and TBM. Further request you to provide equipment advance for any type of equipment before equipment reaches site.	Please refer corrigendum - S. No. 24
721.	Part-1, Section-II, Eligibility &	Clause -4.2 a.3 (Specific	<i>In case of JV Foreign Member should have minimum number of One (1) similar contract of value not less than</i>	The bidder requests to modify the said criterion as follows:	Tender condition prevails.

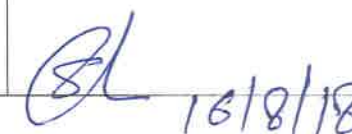
Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
	Qualification Criteria	Experience), Page 11-12	<p><i>INR 4608 Million or more that has/ have been satisfactorily completed outside the country of origin as a contractor (single entity or JV member) in the last five years from 1st January 2013.</i></p> <p><i>Post evaluation, If the bidder is L1 for both the packages (UGC-01 and UGC-02), JV Foreign member should have minimum number of One (1) similar contract of value not less than INR 9108 Million or more that has/have been satisfactorily completed outside the country of origin as a contractor (single entity or JV Member) in the last five years from 1st January 2013. (ix)</i></p>	<p>In case of JV Foreign Member should have minimum number of One (1) similar contract of value not less than INR 4608 Million or more that has/ have been satisfactorily completed outside the country of origin as a contractor (single entity or JV member) in the last Ten (10) years from 1st Jan 2008.</p> <p>Post evaluation, If the bidder is L1 for both the packages (UGC-01 and UGC-02), JV Foreign member should have minimum number of One (1) similar contract of value not less than INR 9108 Million or more that has/have been satisfactorily completed outside the country of origin as a contractor (single entity or JV Member) in the last Ten (10) years from 1st Jan 2008.</p> <p>Please confirm.</p>	
722.	Vol-1 / Part-1 Bidding Procedure	Section III / Eligibility and qualification criteria	<p>The Nominated/ Specialised Subcontractors for MEP works would be proposed by the bidder in the bid submission. The proposed subcontractor firm for MEP must have carried out and completed Design and Construction /execution of at least two UG (Under Ground) metro stations in a single order in last 5 years (starting w.e.f 01.01.2013). The bidder shall propose at least two Nominated/Specialised Subcontractors in the bid submissions. The selection of one subcontractor would be done by the Engineer/Employer after award of contract. The approval for the selected MEP subcontractor by the Employer</p>	<p>The Nominated/ Specialised Subcontractors for MEP works would be proposed by the bidder in the bid submission. The proposed subcontractor firm for MEP must have carried out and completed / In progress Design and Construction /execution of at least two UG (Under Ground) metro stations / Big commercial, Industrial / Airport in a single order in last 5 years (starting w.e.f 01.01.2013). The bidder shall propose at least two Nominated/Specialised Subcontractors in the bid submissions. The selection of one subcontractor would be done by the Engineer/Employer after award of contract. The approval for the selected</p>	Please refer corrigendum - S. No. 94

Sl. No	Volume No	Clause No	Bid Condition			Bidder's Queries	Responses / Replies
			would final and binding on the contractor.			MEP subcontractor by the Employer would final and binding on the contractor.	
723.	Part-1, Section III, Eligibility & Qualification criteria,	Detail Design Consultant (DDC)	<p>A list of potential Detailed Design Consultants of at least two (DDC proposed to be appointed on behalf of the Applicant) to be submitted.</p> <p>For one contract package, The successful bidder will be obliged to appoint a DDC from the list submitted during the bidding stage and as approved by the Employer.</p> <p>The approval given by the Employer for the chosen DDC would be communicated after award of contract in due course of time so as to not to affect any design activity.</p> <p>For two contract packages, The successful bidder shall appoint DDC for each contract package from the list submitted for approval.</p>			We understand that contractor has to propose minimum two DDC's at the tender stage. The list of DDC may be same for both the packages. Please confirm.	Understanding is correct.
724.	Part-2, Section VI, Employer Requirements	Appendix - 2B, Contract Key Dates, Budhwar Peth Station	KD	Description	No. of days From Commencement	Excavation for station box has to be done in Hard Rock & there is huge space constrain in that area, so kindly extend KD-3 to minimum 500 days.	Please refer corrigendum - S. No. 30
			KD-3	Completion Excavation for station box	308		

Sl. No	Volume No	Clause No	Bid Condition			Bidder's Queries	Responses / Replies
725.	Part-2, Section VI, Employer Requirements	Appendix - 2B, Contract Key Dates, Budhwar Peth Station	Key Dates	Description	No. of days From Commencement	As both packages (1 & 2) TBM will retrieve from Budhwar peth station & half of the station is NATM. It is most likely that all the key dates from KD-7 to KD-12 are not achievable. We request to kindly link these key dates after TBM Retrieval from both the side.	Please refer corrigendum - S. No. 30
			KD-7	Achieve substantial completion of station public Concourse/ Mezzanine (wherever applicable) Level areas including all entrances finished to Degree 2 completion and provide access to all Interfacing Contractors	735		
			KD-8	Achieve substantial completion of station track areas finished to Degree 1 completion and provide access to interfacing contractors	791		
			KD-9	Achieve substantial completion of station structures on Platform Level finished to Degree 2 completion and provide access to Lift & Escalator Contractor	847		
			KD-10	Achieve substantial completion of the following station rooms / areas and provide access to all Interfacing Contractors ➤ Group 1 station rooms in the ancillary buildings	903		

Sl. No	Volume No	Clause No	Bid Condition			Bidder's Queries	Responses / Replies
				on Street Level to finished Degree 3 completion Platform screen door work zones to finished Degree 2 completion			
			KD-11	Achieve substantial completion of station Platform Level areas finished to Degree 2 completion and provide access to all Interfacing contractors	945		
			KD-12	Achieve substantial completion of the following station rooms after removal of TBM working shaft (wherever provided in station areas) and provide access to all Interfacing Contractors Group 1 station rooms on Concourse /Mezzanine (wherever applicable) Level finished to Degree 3 completion.	1092		
726.	Part-2, Section VI, Employer Requirements	Appendix - 2B, Contract Key Dates, Mandai Station	Key Dates	Description	No. of days From Commencement	Excavation for station box has to be done in Hard Rock & there is huge space constrain in that area, so kindly extend KD-3 to minimum 500 days.	Please refer corrigendum - S. No. 31
			KD-3	Completion Excavation for station box	308		
727.	Part-2, Section VI, Employer Requirements	Appendix - 2B, Contract Key Dates, Tunnel key dates	Whole Clause			Case 1: if NATM Crossover start first: In swargate station we have to complete NATM Crossover section before TBM launch, in our opinion, getting design approval , mobilization and shaft ready to complete	Please refer corrigendum - S. No. 33

Sl. No	Volume No	Clause No	Bid Condition	Bidder's Queries	Responses / Replies
				NATM Crossover works in 364 days (KD-5) is not possible. Case 2: if TBM start first: In this case NATM Crossover can be start only after TBM works are over (i.e. KD 8B- 1036 days) and as per KD 11 in 1183 days we have to handover to the track contractor, that means we will get only 147 days to complete TBM retrieval works and NATM Crossover works in swargate which is also not possible. Hence, we suggest to change the respective KD's based on TBM schedule & P1UG-04/2018 Contractors Schedule.	
728.	Part - 1 Section III EQC	6.1 Nominated / Specialized Subcontractor	2) The Nominated/ Specialized Subcontractors for MEP works would be proposed by the bidder in the bid submission. The proposed subcontractor firm for MEP must have carried out and completed Design and construction/ execution of at least two UG (Under Ground) metro stations in a single order in last 5 years (starting w.e.f 01.01.2013). The bidder shall propose at least two nominated/ Specialized Subcontractors in the Bid submissions. The selection of one subcontractor would be done by the Engineer/ Employer after award of contract. The approval for the selected MEP subcontractor by the Employer would final and binding on the contractor.	1. Is our understanding clear that the qualifying MEP Projects /Contracts meeting the requirements of this clause should have been successfully completed within last 5 years (ie., from 01.01.2013) 2. Also the said qualifying projects need not have started in the last 5 years (ie., from 01.01.2013)	Understanding is correct Please refer corrigendum - S. No. 94



Addl. General Manager (Tender)
For & on behalf of Maharashtra Metro Rail Corporation Ltd.