

MAHARASHTRA METRO RAIL CORPORATION LIMITED
(Nagpur Metro Rail Project)

Dt.13.07.2019

Corrigendum-I

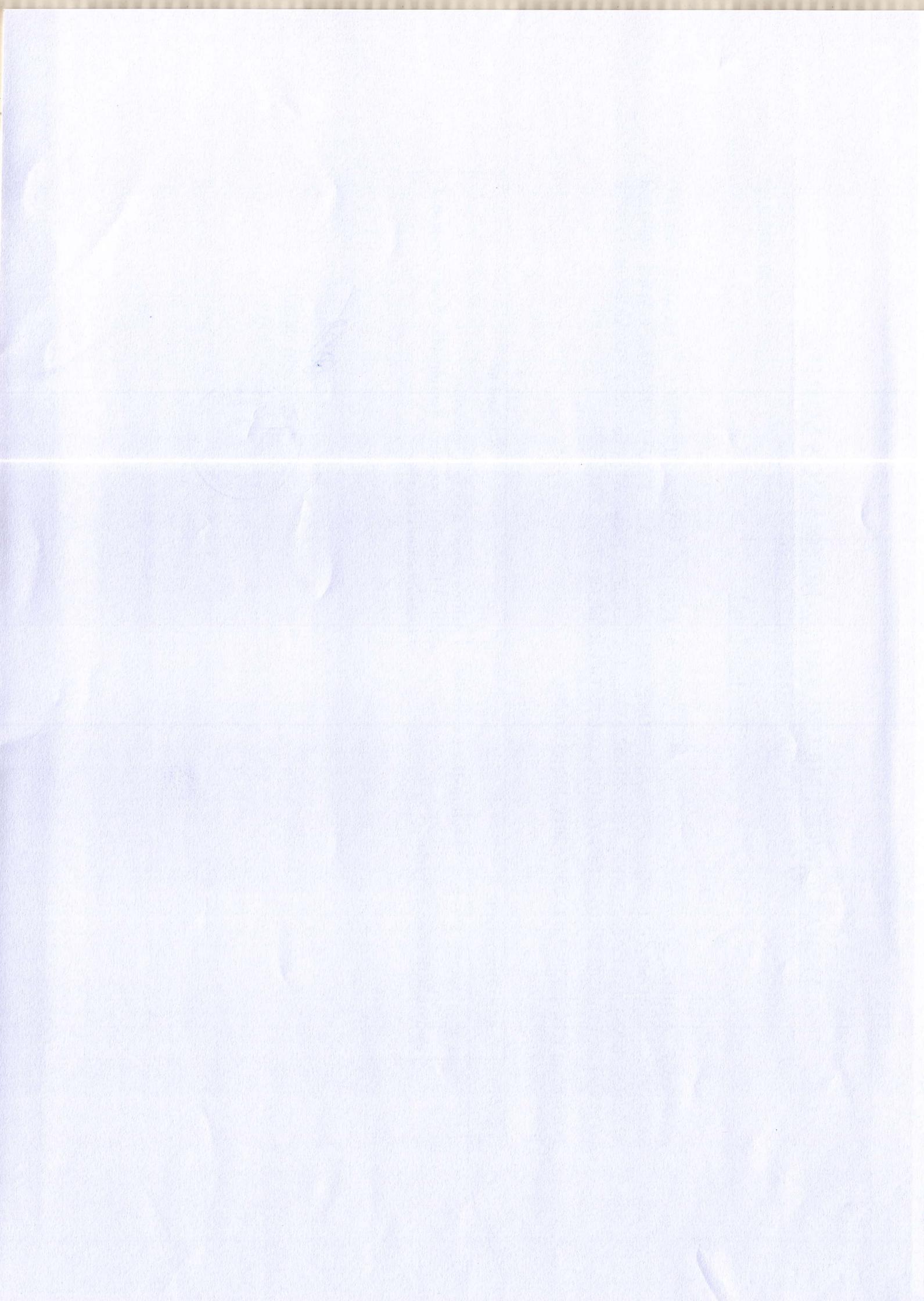
NAME OF WORK: CONSTRUCTION OF BALANCE WORK OF SEVEN NUMBERS ELEVATED METRO STATIONS (AUTOMOTIVE SQUARE, NARI ROAD, INDORA CHOWK, KADVI CHOWK, GADDI GODAM STATION KASTURCHAND PARK AND ZERO MILE) INCLUDING E&M WORKS AND PD AREA BALANCE WORKS EXCLUDING VIADUCT IN REACH-2. OF NAGPUR METRO RAIL PROJECT.

Tender No: N1C-39/2019 DT: 05/07/2019, Portal No.189

S.No	Tender Document	Revised as
1	Part-1 Bidding Procedure Section-III. Evaluation and qualification criteria	Addendum-I attached herewith Part-1 Bidding Procedure Section-III. Evaluation and qualification criteria.



ED/Procurement
Maha-Metro



ADDENDUM-I**NAGPUR METRO RAIL PROJECT
BID DOCUMENT
FOR**

CONSTRUCTION OF BALANCE WORK OF SEVEN NUMBERS ELEVATED METRO STATIONS (AUTOMOTIVE SQUARE, NARI ROAD, INDORA CHOWK, KADVI CHOWK, GADDI GODAM STATION KASTURCHAND PARK AND ZERO MILE) INCLUDING E&M WORKS AND PD AREA BALANCE WORKS EXCLUDING VIADUCT IN REACH-2. OF NAGPUR METRO RAIL PROJECT

**Tender No.
N1C-39/2019**

**PART 1: BIDDING PROCEDURE
SECTION III:
Evaluation & Qualification Criteria**



**Maharashtra Metro Rail Corporation Limited
Metro House, Bungalow No: 28/2,
Anand Nagar, CK Naidu Road,
Civil Lines, Nagpur-440001
Maharashtra, INDIA
Website: <http://www.metro railnagpur.com>**



SECTION-III: Evaluation & Qualification Criteria

This Section contains all the criteria that the Employer shall use to evaluate bids and qualify Bidders. In accordance with ITB 35 and ITB 37, no other factors, methods or criteria shall be used. The Bidder shall provide all the information requested in the forms included in Section IV, Bidding Forms.

Wherever a Bidder is required to state a monetary amount, Bidders should indicate the USD equivalent using the rate of exchange determined as follows:

- For construction turnover or financial data required for each year - Exchange rate prevailing on the last day of the respective calendar year.
- Value of single contract - Exchange rate prevailing on the date of the contract.

Exchange rates shall be taken from the publicly available source identified in the ITB 32.1. Any error in determining the exchange rates in the Bid may be corrected by the Employer.

1. Evaluation

In addition to the criteria listed in ITB 35.2 the following criteria shall apply:

1.1 Assessment of adequacy of Technical Proposal with Requirements

The assessment of the Technical Proposal submitted by a Bidder shall comprise (a) evaluation of the Bidder's technical capacity to mobilize key equipment and key personnel to carry out the works, (b) manufacture / construction method, (c) manufacture / construction schedule (d) sufficiently detailed supply sources, in accordance with requirements specified in Section VII – Works Requirements.

“In accordance with BDS16 and BDS29, the ESHS Methodology submitted by the Bidder shall be evaluated to determine whether it is substantially responsive (i.e. without material deviation, reservation or omission) to the requirements specified in Section XI - SHE Specifications.”

1.2 Multiple Contracts - Not Applicable

1.3 Alternative Completion Times – Not Applicable

1.4 Technical alternatives – Not Applicable

1.5 Specialized Subcontractors

Only the specific experience of sub-contractors for specialized works permitted by the Employer will be considered. The general experience and financial resources of the specialized sub-contractors shall not be added to those of the Bidder for purposes of qualification of the Bidder.

2. Qualification							
No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium (existing or intended)			Documentation
				All Parties Combined	Each member	Any one member	
1.0	Eligibility						
1.1	Nationality	Nationality in accordance with ITB 4.3	Must meet requirement	Must meet requirement	Must meet requirement	Must meet requirement	Forms ELI – 1.1 and 1.2, with attachments
1.2	Conflict of Interest	No conflicts of interest in accordance with ITB 4.2	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Letter of Bid
1.3	Agency Eligibility	Not being ineligible to the Agency financing, as described in ITB 4.3	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Statement of Integrity (Appendix to Letter of Bid)
1.4	Government Owned Entity of the Borrower country	Meet conditions of ITB 4.3	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments
2.0	Historical Contract Non-Performance						
2.1	History of Non-Performing Contracts	Non-performance of a contract ¹ did not occur as a result of contractor's default in the past five (5) years.	Must meet requirement ²	Must meet requirement	Must meet requirement ²	N/A	Form CON-2
2.2	Suspension Based on absence of Bid Security	Not under suspension based absence of a Bid Security pursuant to ITB 4.4 or withdrawal of a Bid pursuant ITB 19.9.	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Application Submission Form

¹Non-performance, as decided by the Employer, shall include all contracts where (a) non-performance was not challenged by the contractor, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the contractor. Non-performance shall not include contracts where Employers decision was overruled by the dispute resolution mechanism. Non-performance must be based on all information on fully settled disputes or litigation, i.e. dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the Bidder have been exhausted.

²This requirement also applies to contracts executed by the Bidder as JV member.

No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium (existing or intended)			Documentation
				All Parties Combined	Each member	Any one member	
2.3	Pending Litigation	Bidder's financial position and prospective long term profitability still sound according to criteria established in 3.1 below and assuming that all pending litigation will be resolved against the Bidder	Must meet requirement	N/A	Must meet requirement	N/A	Form CON – 2
2.4	Historical Debarment/ Blacklisting / Termination / Rescind	<p>The bidders or any member of JV/ Consortium must not have been banned or blacklisted by any Central / State government department/Urban Local Bodies or public sector and such blacklisting should not be effective on the date of Bid Submission.</p> <p>Simultaneously the bidder or any of its member of JV/ Consortium should not be listed in exclusion list of word bank (Ref. Section-V Cl. No 2 (vii). The Bidder should submit under-taking to this effect. (ITB 4.8)</p> <p>AND</p> <p>Bidders may note that pursuant to their qualification in the 'Prequalification and Evaluation Criteria' & 'Technical Evaluation' as per ITB 29.3 above, in case the Bidder (applies to each individual member in case of a Joint Venture/Consortium) is debarred/ blacklisted by Government of India/State Government / Government undertaking/PSUs/ Urban Local Bodies etc. after the due date of submission of Bid but before opening of financial package by MAHA-METRO, they shall inform the same to MAHA-METRO in writing</p>	Must meet requirement	Must meet requirement	Must meet requirement	Must meet requirement	Form CON – 3



No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium			Documentation
				(existing or intended)			
				All Parties Combined	Each member	Any one member	
		within 5 working days of issue of such debarment, failing which it will be considered that the Bidder has willfully concealed the information & the Bidder shall be solely responsible for all implications that may arise in accordance with the conditions of this Bid. Any such debarment/ blacklisting will result in disqualification of the Bidder and the Financial Package of such Bidder shall be returned unopened.(ITB 29.4)					
3.0	Financial Situation and Performance						
3.1	Financial Capabilities	<p>((i)The Bidder shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements estimated as INR 283 million (or USD equivalent on the day of bid submission) for the subject contract(s) net of the Bidder's other commitments</p> <p>Notes: 3.1 (i) The liquidity shall be ascertained from Net Working Capital {Current Assets – (current liabilities + provisions)} as per latest audited balance sheet and/or from the Banking reference(s). Banking reference(s) should contain in clear terms the amount that the Bank will be in a position to lend for this work to the applicant / member of the Joint Venture / Consortium. In case the Net Working Capital (as seen from the Balance Sheet) is negative, only the Banking reference(s) will be considered, otherwise the</p>	Must meet requirement	Must meet requirement	Must meet requirement as per their % share in JV	N/A	Form FIN-3.1 and FIN-3.3



No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium (existing or intended)			Documentation
				All Parties Combined	Each member	Any one member	
		<p>aggregate of the Net Working Capital and submitted Banking reference(s) will be considered for working out the Liquidity.</p> <p>In case the Bidder is a JV / Consortium and if Banking Reference is issued by the bank in favour of the JV / Consortium for this Contract, then it will be considered for the Bidder and if the Banking reference(s) is issued in favour of any member of JV / Consortium it will be considered only for that member. In Case of JV / Consortium: Requirement of working capital is to be distributed between members as per their percentage participation and every member should satisfy the requirement for his portion.</p> <p>Example: Let member-1 has percentage participation = M and member-2 has percentage participation = N. If minimum working capital required is 'W' then working capital of member-1 $\geq (WM)/100$ and working capital of member-2 $\geq (WN)/100$</p>					
i-a.	Bid Capacity	<p>Evaluation of Bid Capacity: The Bidders will be qualified only if their available bid capacity is more than the approximate cost of work as per MAHA-METRO assessment. Available bid capacity will be calculated based on the following formula: Available Bid Capacity = $2 * A * N - B$ Where, A = Maximum of the value of construction works executed in any one year during the last five financial</p>	Must meet requirement	Must meet requirement	N/A	N/A	Form FIN-3.4

No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium (existing or intended)			Documentation
				All Parties Combined	Each member	Any one member	
		<p>years reckoned up to 31st March 2019 (updated to base date price level assuming 5% inflation per year compounded annually) N = Number of years prescribed for completion of the present work B = Value of existing commitments as on first day of the month of this Bid submission i.e. for on-going construction works during next 16 Months. Proportionate value will be taken if it falls during the financial year.</p> <p>1. The available bid capacity should be more than the INR 2260 million.</p> <p>2. A certificate issued from a chartered accountant certifying A and B value must be enclosed with the Technical bid</p>					
		(ii) The Bidder shall also demonstrate, to the satisfaction of the Employer, that it has adequate sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments.	Must meet requirement	Must meet requirement	N/A	N/A	Form FIN – 3.4
		<p>iii) The audited balance sheets for the last 5 (five) years (FY 2014-2015, 15-16, 16-17, 17-18&18-19) shall be submitted and must demonstrate the current soundness of the Applicant's financial position and indicate its prospective long-term profitability.</p> <p>The Bidder should be a Profit</p>	Must meet requirement	N/A	Must meet requirement	N/A	Form FIN – 3.1, with attachments



No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium (existing or intended)			Documentation
				All Parties Combined	Each member	Any one member	
		(Net) making firm and should have made profit during any two of the last 5 financial years i.e. (2014-2015, 15-16, 16-17, 17-18&18-19)					
(ii-b)	Net Worth	Net worth of Bidder ending 31.03.19 should be minimum INR 225 Million . In case of JV, Net worth will be evaluated only for the lead member.	Must meet requirement	N/A	N/A	Must meet requirement (for Lead Member only)	
3.2	Average Annual Construction Turnover	Minimum average annual construction turnover of INR 3400 million (or USD equivalent) equivalent calculated as total certified payments received for contracts in progress and/or completed within the last 5 (five) years Note: 1. Last five years shall be 2014-15 to 2018-19. In case of Companies, which follows Financial Year as Calendar Year (January to December), data for 2014 shall be treated equivalent to the data of FY 2014-15 and so on.	Must meet requirement	Must meet requirement	Must meet requirement as per their % share in JV	Must meet more than [fifty One] per cent [51%] of the requirement (For Lead Member)	Form FIN – 3.2
3.3	CDR	The bidder having undergone Corporate Debt Restructuring (CDR) in last five years must submit their banker's certificate stating that their account with the bank is "standard account" as on 31/03/2019.	Must Submit	N/A	Must Submit	N/A	In case bidders have not undergone CDR, in that case bidder has to submit an undertaking to that effect.



No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium (existing or intended)			Documentation
				All Parties Combined	Each member	Any one member	
4.0	Experience						
4.1	General Construction Experience	Experience under construction contracts in the role of prime contractor, JV member, for at least the last 10 (Ten) years , starting 1st June 2009 to 30st June 2019 .	Must meet requirement	N/A	Must meet requirement	N/A	Form EXP – 4.1
4.2 (a)	Specific Construction & Contract Management Experience	A minimum number of similar contracts specified below that have been satisfactorily and completed as a prime contractor, joint venture member ³ during last 10 (Ten) years i.e., up till 30.06.2019 (a) Should have received at least INR 1810 Million in one single contract comprising of at least one station and other related metro rail work which should have been substantially completed civil construction works. OR (b) Should have received at least INR 1130 Million each in two contracts. Out of the two contracts, one contract must cover at least one substantially completed elevated metro rail station and the second contract may be for metro rail civil	Must meet requirement	Must meet requirement	N/A	Lead member must meet the requirement	Form EXP 4.2(a)
			Must meet requirement	Must meet requirement	Must meet requirement of at least one contract	Lead member must meet the requirement of at least one contract involving elevated metro rail	

³JV must collectively satisfy 100 per cent of the criteria of clause mentioned above, for which purpose the client vetted/certified figures for each of the members shall be added together to arrive at the JV's total number of stations for Technical Eligibility.



No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium			Documentation
				(existing or intended)			
				All Parties Combined	Each member	Any one member	
		3.All the above referred contracts should be for Government/PSU/ Urban local bodies or listed companies in the stock exchange of India. The Client's certificate should be duly submitted with the address, email id and phone nos for verification.					
4.2 (b)	(Deleted)						
4.2 (c)	Quality & EHS Qualification Criteria	<p>1. ESHS qualification criteria: sub section 5 of the qualification table in Section III specifies new qualification criteria aiming to ensure that shortlisted contractors are sufficiently ESHS experienced and qualified to mitigate the E&S impact of the works satisfactorily</p> <p>2. Comprehensive and detailed ESHS Specifications for work sites management are included section VII.</p> <p>3. An ESHS Methodology is to be provided by the Bidder as a part of the Technical proposal; a specific form is provided in section IV. Bidding Forms-Technical Proposal; in its ESHS Methodology, the Bidder shall detail how it has planned to meet the requirements of the ESHS Specifications.</p> <p>4. An ESHS Cost Schedule is included in Section IV-Cost Schedules; the ESHS Cost Schedule ,to be completed and submitted by the Bidder ,identifies the specific costs</p>	Must meet requirement	Must meet requirement	N/A	Must meet requirement (Lead Member)	Form PER-2 (for CV of EHS person nel)



No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium (existing or intended)			Documentation
				All Parties Combined	Each member	Any one member	
		<p>related to the ESHS measures for worksites management specified in the ESHS Specifications and proposed by the Bidder in its ESHS Methodology.</p> <p>The above will enable ESHS evaluation of Bids to be performed. Bids evaluated as non – substantially to the ESHS requirements (as per evaluation methodology specified in the Section I- Instructions to Bidders – Evaluation and comparison of Bids) will be rejected on the following grounds:</p> <p>--The Bidders ESHS Methodology shows material deviation, reservation, or omission (as specified in clause IS29) towards the ESHS specifications. In particular, omission to provide detailed information on one of the sensitive issues explicitly listed in the ESHS Methodology form (Section IV) shall constitute sufficient ground to reject the Bid</p> <p>-The ESHS costs submitted by the Bidder in the ESHS Cost Schedule are inconsistent with the proposed ESHS Methodology (expertise and resources mobilized for instance); a breakdown of those ESHS costs may be requested in accordance with</p>					



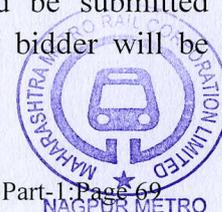
No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium			Documentation
				(existing or intended)			
				All Parties Combined	Each member	Any one member	
		<p>IS27 prior to evaluate the grounds for rejecting the Bid as per IS35.5</p> <p>5. Conditions of Contract (Section IX-Particular conditions): in accordance with the ESHS Specifications, clauses are included to enable when necessary suspension of interim payments, suspension of work ,and for the start of some operations to be subject to prior approval of information demonstrating compliance with the ESHS requirements.</p> <p>During the performance of the work ,ESHs clauses allow for sanctioning a contractor not meeting the requirements of the ESHS Specifications. As specified in the ESHS Specifications, the Engineer will monitor works and detect any non-compliance with the ESHS Specifications. A major non-compliance (maximum level) will incur suspension of interim payments until non-compliance is resolved, and ,in some cases, suspension of work will be imposed. In addition, starting operations on a worksite will require prior approval by the Engineer of the documentation provided by the Contractor to demonstrate compliance with ESHS Specifications at that site. Finally ,identification of specific ESHS Costs shall enable the decision to be made</p>					



No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium (existing or intended)			Documentation
				All Parties Combined	Each member	Any one member	
		to not remunerate the Contractor for measures not properly implemented					

Special Notes:-

1. Bidders may associate with an EMP contractor as a sub-contractor (those agencies who have carried out similar EMP works for Metro stations, major infrastructure projects, malls, airports, hotels, hospitals etc.) after award of the work subjected to fulfilling the eligibility criteria described in **Annexure-A** and subsequent approval of **MAHA-METRO**.
2. EMP contractor cannot be a JV/Consortium partner & his experience shall not be taken into consideration.
3. Full (100%) experience for previous works of the JV shall be considered, if the claiming member of the JV has at least 65% share in previous consortium/ JV for the relevant referred Work Experience, else proportionate quantum of experience of previous works up to the percentage share of participation in the previous JV shall be considered. However if any member has less than **20%** share in previous JV/consortium, his experience shall not be considered for evaluation.
4. The JV/Consortium member having past experience which includes metro rail station construction should be the Lead Member in proposed JV/Consortium and should have a share of more than 51% in the JV/Consortium.
5. Existing JV/Consortium already worked/working in other metro rail project & meeting the eligibility criteria, mentioned in Bid Document, can bid as a same JV. For such case work experience criteria of Single Entity shall be applicable.
6. Client's/Employer's certificate certifying Specific Construction & Contract Management Experience as specified in 4.2(A) above should be submitted compulsorily by the bidder failing which the bid submitted by bidder will be



treated as non-responsive and shall not be evaluated further. Such Client/Employer certificate should be in the letter head of Client/Employer mentioning the date of issue, contact address, email id and name of the official issuing the said certificate.

5. Personnel

The Bidder must demonstrate that it has the personnel for the key positions that meet the following requirements:

No.	Position	Minimum Requirement	Qualification	In Similar Works Experience (years)
1	Chief Project Manager (Team Leader)	1	Graduate / Diploma in Civil Engg.	Minimum total experience of 15 years out of which, minimum 03 years as In-charge of similar works
2	Project Manager	2	Graduate / Diploma in Civil Engg.	Minimum total experience of 12 years out of which, minimum 03 years as In-charge of similar works
3	Dy. Project Manager	4	Graduate in Civil Engg. / Diploma in Civil Engg.	Minimum 10 years for Degree & 15 years for Diploma, out of which minimum 2 years in similar work.
4	Quality Assurance (QA)- Engineer	2	Graduate in Civil Engg. / Diploma in Quality Assurance	Minimum total experience of 10 years out of which minimum 05 yrs. in QA (field) and at least one year as In-Charge.
5	Architect	1	B. Arch	Minimum 5 year experience in design or execution of commercial/ public building
6	Civil Engineer	16	Graduate or Diploma in Civil Engineering	Minimum 5 years for Degree & 8 years for Diploma in project execution works
7	Electrical engineer	4	Graduate in Electrical Engg. / Diploma	Minimum 5 years for Degree & 8 years for Diploma
8	Mechanical Engineer	1	Graduate in Mechanical	Minimum 5 years for Degree & 8 years for

			Engg. / Diploma	Diploma
9	Plumbing Engineers	1	Graduate/ Diploma in Civil Engg	Minimum 5 years in plumbing works of public buildings
10	Safety Manager	As per SHE Manual	As per SHE Manual	As per SHE Manual
11	Expert on Environmental, Health & Social	1	Graduate in Environmental Sciences	Should have minimum 10 years of experience out of which minimum 5 Years of Experience in similar Metro Rail / Highway / Airport development projects.
12	Expert on Social management	1	Master in Social Work (MSW)/ Graduate in relevant subjects	Should have minimum 10 years of experience out of which minimum 5 Years of Experience in similar Metro Rail / Highway / Airport development projects.
13	Project Management Engineer	1	Graduate in Civil Engg. / Diploma in Civil Engg.	Minimum experience of 5 years and should be expert in AutoCAD & project management software. Preferably 5D BIM specialized

The DDC for the present RFP (Designer) for foundation, superstructure and substructure must follow the time schedule of completion of design placed at notes of key dates. The above requirements are minimum and the contractors should be capable to deploy additional technical work force if required as per site condition.

The Bidder shall provide details of the proposed personnel and their experience records using Forms PER-1 and PER-2 included in Section IV, Bidding Forms.

6. Equipment

The Bidder must demonstrate that it has the key equipment listed hereafter:

No.	Equipment Type and Characteristics	Minimum Number required	Max permissible age in years
1	Piling equipment hydraulic rig	2	5
2	Fully automatic and computerized batching plant (2 nos. of 30 cum) minimum or equivalent capacity in different configuration	60 cum/hr	10



No.	Equipment Type and Characteristics	Minimum Number required	Max permissible age in years
	at casting yard with an RO of suitable capacity for proper quality of water		
3	Concrete pumps	6	10
4	Boom placers	2	10
5	Cranes / road cranes in casting yard / site of suitable capacity	5	15 (Mobile crawler cranes); 10 (tyre mounted hydraulic crane)
6	Cranes / road cranes of suitable capacity for launching / erection	5	15 (Mobile crawler cranes); 10 (tyre mounted hydraulic crane)
7	Gantry of suitable capacity in casting yard	2	15
8	Minimum number of pre-casting beds (typical)	5	NA
9	Transit mixers	12	10
10	Trailers for carrying girders – 75T / 200T respective capacity	8	10
11	Lab testing equipment – fully equipped for site tests	As per requirement	--

The Bidder shall provide further details of proposed items of equipment using Form EQU in Section IV, Bidding Forms.

Note:

- At the time of bidding contractor must demonstrate the possession of these plants & equipment and capable to mobilized within short notice without wasting prime working time.
- In case contractor opts for short line method for casting, the no. of pre-casting beds would increase accordingly.
- These resources are for peak period of each activity. All plants and equipment need to be mobilized simultaneously, plants and equipment as required as per the progress of the work shall be brought at site in advance or as directed by Engineer in charge.

7. Domestic Preference (Deleted)

Not Applicable



