

**MAHARASHTRA METRO RAIL CORPORATION LIMITED
(NAGPUR METRO RAIL PROJECT, PHASE-2)****BID DOCUMENTS****FOR****Name of work:-**

Construction of A) Six Elevated Metro Station viz. Pili Nadi to Lekha Nagar in Reach-2A, B) One Elevated and one At-Grade station viz. Ecopark and Metro City in Reach-1A respectively. C) At-Grade section Formation earthwork, boundary wall and retaining wall between Ch. 19550 to Ch.20421.016 & Ch. 20498.516 to Ch. 21296.917, D) Elevated Metro track supporting structure for Ecopark Metro station between Ch.20421.016 to Ch. 20498.516 and E) Multi-Storied Building at Tulsi School Land (at Sitabuldi) of NMRP Phase-2

TENDER NO. N2-011/C-05/2023**PART 1: BIDDING PROCEDURE
SECTION III: Evaluation & Qualification Criteria
(ANNEXURE-A)**

**Maharashtra Metro Rail Corporation Limited
Metro Bhawan, East High Court Road (VIP Road),
Near Dikshabhoomi, Ramdaspath, Nagpur-440010,
Maharashtra, INDIA**

Website: www.metro railnagpur.com





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.

1.5	Specialized Subcontractors
1.4	Technical alternatives – Not Applicable
1.3	Alternative Completion Times – Not Applicable
1.2	Multiple Contracts - Not Applicable
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 addition to the criteria listed in [ITB 35.2](#) the following criteria shall apply:

1. Evaluation

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.

SECTION-III: Evaluation & Qualification Criteria

2. Qualification

No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium (existing or intended)			Documentation
				All Parties Combined	Each member	Any one member	
1	Eligibility						
1.1	Nationality	Only Indian bidders are eligible to participate in this tender	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Certificate of Incorporation or Registration certificate etc.
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	Form-1 (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	Form-3
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	Form-3
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 ²	Must meet requirement ²	N/A	Form-15
2.2	Suspension Based on absence of Bid Security	Not under suspension based on absence of a Bid Security pursuant to ITB 4.4 or withdrawal of a Bid pursuant to ITB 19.9.	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Form-1

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.

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No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium (existing or intended)			Documentation
				All Parties Combined	Each member	Any one member	
2.3	Pending Litigation	Applicant'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 Applicant.	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Form-15
3.0	Financial Situation and Performance						
3.1 (a)	Financial Capabilities (cash flow)	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 19 Crore for the subject contract.	Must meet requirement	Must meet requirement	Must meet Min. 20% (Twenty) of the requirement	For Lead Member: Must meet Min. 50% (Fifty) of the requirement	Form-18
3.1 (b)	Bid Capacity	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= 2xAxN – B Where, A = Maximum of the value of construction works executed in any one year during the last 05 (five) financial years reckoned up to 31st March 2022 (Updated to price level of 31 March 2022 assuming 5% (for INR portion) and 2% (for	Must meet requirement	Must meet requirement	Must meet requirement as per their % share of participation in JV	-----	Form-17 & Form-19

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No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium (existing or intended)			Documentation
				All Parties Combined	Each member	Any one member	
		<p>foreign currency portion) inflation per year compounded annually)</p> <p>N = Number of years prescribed for completion of the present work</p> <p>B = Value of existing commitments as on first day of the month of this Bid submission i.e. for on-going construction works during completion period of proposed work.</p> <p>Proportionate value will be taken if it falls during the financial year.</p> <p>Note:</p> <ol style="list-style-type: none"> The available bid capacity should be more than the estimated cost of the proposed work. A certificate issued from statutory auditor certifying A and B value must be enclosed with the Technical bid. The certificate must be with UDIN Current year's A & B values i.e. for financial year April 22- March 23 can be accepted, calculated for last 5 consecutive years. 					
3.1 (c)	Net Worth	Net worth of Bidder ending 31 st March'2022 should be minimum INR 94 Crores.	Must meet requirement	Must meet the requirement	Must meet Min. 15% (Fifteen) of the requirement	For Lead Member: Must meet Min. 50%	Form-16




No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium (existing or intended)			Documentation
				All Parties Combined	Each member	Any one member	
3.1 (d)	Net Profit	<p>Note: Statutory Auditor's certificate is required to be enclosed with bid. The certificate must be with UDIN.</p> <p>Current year's Net worth i.e. for financial year April 22- March 23 can be accepted.</p> <p>Summary sheet of audited balance sheets for the last 5 (five) years (FY 2017-18, 18-19, 19-20, 20-21 & 21-22) 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 Must have made Net Profit before tax during any two of the last 5 financial years.i.e. (FY 2017-18, 18-19, 19-20, 20-21 & 21-22)</p> <p>Note:-</p> <ol style="list-style-type: none"> 1. Statutory Auditor's certified summary sheet of each year need to be enclosed with bid. The certificates must be with UDIN 2. Copy of audited balance sheets also need to be submitted along with the bid 	Must meet requirement	N/A	Must meet requirement	N/A	Form-16
3.2	Average Annual Turnover	<p>Minimum average annual turnover of INR 226 Crore within the last 5 (five) years</p> <p>Note:-</p> <ol style="list-style-type: none"> 1. Last five years shall be (FY 2017-18, 18-19, 19-20, 20-21 & 21-22) 	Must meet requirement	Must meet requirement	Must meet Min. 20% (Twenty) of the requirement	For Lead Member: Must meet Min. 50%	Form-17



No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium (existing or intended)			Documentation
				All Parties Combined	Each member	Any one member	
3.3	CDR (Not applicable to this tender)	<p>2. In case of Companies, which follows Financial Year as Calendar Year (January to December), data for 2021 shall be treated equivalent to the data of FY 2021-22 and so on.</p> <p>4. Statutory Auditor's certified summary sheet of audited balance sheet need to be enclosed with bid. The certificate must be with UDIN</p> <p>5. Copy of audited balance sheets also need to be submitted along with the bid.</p> <p>6. Current year's Annual Turnover i.e. for financial year April 22- March 23 can be accepted, calculated for last 5 consecutive years.</p> <p>(Not applicable to this tender) 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 31.03.2022. Note: - Statutory Auditor's certificate required to be submitted. The certificate must be with UDIN</p>	N/A	NA	N/A	(Fifty) of the requirement	
3.4	Solvency Certificate	Bidder must submit solvency certificate (issued by banker)	Must meet requirement	Must meet requirement	Must meet requirement	Must meet requirement	Solvency certificate issued by banker
4.0	Experience						



No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium (existing or intended)			Documentation
				All Parties Combined	Each member	Any one member	
4.1	General Construction Experience	Minimum Experience under construction contracts in the role of prime contractor/JV member during the period ending 31st March 2023.	Last 10 years	N/A	Last 5 years	For lead member during last 10 years	Form-20
4.2 (a)	Specific Construction & Contract Management Experience	A minimum of *Similar Work contracts specified below that have been satisfactorily completed as a prime contractor or joint venture member during last 10 (Ten) years i.e., up till 31 st March 2023. (a) Should have **Substantially completed and have received at least INR 226 Crores towards "Construction of minimum 6 Nos of Metro Rail Stations in a Single Contract". OR (b) Should have **Substantially completed and have received at least INR 141 Crores towards "Construction of minimum 4 Nos of Metro Rail Stations in each of the Two Contracts". OR c) Should have **Substantially completed and have received at least INR 113 Crores towards "Construction of minimum 3 Nos	Must meet requirement	Must meet requirement	****as per JV Member experience	****as per Lead member experience	Form-21
			Must meet requirement	Must meet requirement	****as per JV Member experience	****as per Lead member experience	

No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium (existing or intended)			Documentation
				All Parties Combined	Each member	Any one member	
		<p>of Metro Rail Stations in each of Three Contracts".</p> <p>Note:-</p> <ol style="list-style-type: none"> *Similar work: Construction of Underground/At-grade/Elevated Metro Rail Station for any Government agencies, PSUs or Listed companies in Stock exchange. **Substantially completed Work means the civil works of Metro stations works must have been completed at least 80% of the contract price. ***Lead Member experience: Lead member must have experience of construction of the Metro Rail Stations of atleast 4 nos in one contract or atleast 3 nos in two contracts each. ****Other Member (JV) experience: Other member of the JV must have received at least INR 56 Cr. towards construction of Metro Rail Works in two contracts collectively. Client certificate should clearly mention extent of completion Maximum number of entities in JV/Consortium should be 3 (three) (Lead Member+ 2 Other Member) 			member experience		



No.	Subject	Requirement	Single Entity	Joint Venture/ Consortium (existing or intended)			Documentation
				All Parties Combined	Each member	Any one member	
4.2 (b)	Quality & EHS Qualification Criteria	1. The Bidder must have Environmental Management Certificate ISO: 14001 or equivalent 2. The Bidder must have Quality Management Certificate ISO: 9001/ DNV/ TUV/ JAS-ANZ/ equivalent or equivalent	Must meet requirement	N/A	N/A	Must meet requirement (Lead Member)	Copy of relevant certificate

3. Special Notes:

- i. During evaluation of this bid, if the bidder has already been awarded any other packages of Nagpur Metro Rail Phase-II, then the bidder has to demonstrate that he aggregately (combining present tender & previously awarded tender) satisfies criteria's mentioned in 3.1(a) & 3.1(b) for this tender.
- ii. Full (100%) experience for previous works of the JV shall be considered, if the claiming member of the JV has at least 60% 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.
- iii. Existing JV/Consortium already worked/working in any department & meeting the eligibility criteria of *Similar work, mentioned in Section-III of Bid Document, can bid with the same JV configuration as a Single Entity.
- iv. If any member has less than 20% share in previous JV/consortium, his experience shall be considered as non-substantial member and shall not be considered for evaluation.
- v. The JV/Consortium member having maximum % contribution in proposed JV should be treated as Lead Member.



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NMRP Phase-2

Tender No. N2-011/C-05/2023

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- vi. The mentioned experience must be supported by duly signed and stamped certificate from the employer. Bidder shall submit the contact details of issuing authority of the certificates for verification.



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4. Personnel (Bidder shall use Form-4 to submit the detail)

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 in Civil Engg.	Minimum total experience of 18 years for Degree, out of which, minimum 03 years as In-charge of similar works.
2	Project Manager	2	Graduate in Civil Engg.	Minimum total experience of 15 years for Degree, out of which, minimum 03 years as In-charge of similar works
3	Dy. Project Manager (At-Grade Works)	1	Graduate in Civil Engg. / Diploma in Civil Engg.	Minimum 10 years for Degree & 15 years for Diploma, out of which minimum 2 years as In-charge of similar works
4	Dy. Project Manager (Casting Yard)	1	Graduate in Civil Engg. / Diploma in Civil Engg.	Minimum 10 years for Degree & 15 years for Diploma, out of which minimum 2 years as In-charge of similar works
5	Dy. Project Manager (Stations)	3	Graduate in Civil Engg. / Diploma in Civil Engg.	Minimum 10 years for Degree & 15 years for Diploma, out of which minimum 2 years as In-charge of similar works
6	Dy. Project Manager (QA-QC)	1	Graduate in Civil Engg.	Minimum 10 years for Degree, out of which minimum 5 years as In-charge of similar works
7	Quality Assurance (QA)- Engineer	3	Graduate in Civil Engg. / Diploma	Minimum total experience of 10 years out of which minimum 05 yrs. in QA (field/lab)
8	Architect	1	B. Arch	Minimum 5 years' experience in design or execution of commercial/ public buildings
9	Civil Engineer	15	Graduate or Diploma in Civil Engineering	Minimum 5 years for Degree & 8 years for Diploma in execution of similar works

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10	Surveyor	3	Graduate or Diploma in Civil Engineering	Minimum 5 years for Degree & 8 years for Diploma in execution of similar survey works
11	Electrical Engg.	3	Graduate or Diploma in Electrical Engineering	Minimum 5 years for Degree & 8 years for Diploma in execution of similar works.
12	Mechanical Engineer	1	Graduate or Diploma in Mechanical Engineering	Minimum 5 years for Degree & 8 years for Diploma in execution of similar works.
13	Plumbing Engineer	1	Graduate/ Diploma in Civil Engg	Minimum 5 years in plumbing works of public buildings
14	SHE Personnel	As per SHE Manual	As per SHE Manual	As per SHE Manual
15	Project Management Engineer	1	Graduate in Civil Engg. / Diploma in Civil Engg.	Minimum experience of 5 years and should be an expert in Auto Cad & project management software. Preferably 5D BIM specialized.
16	Liaison Officer	1	Law Graduate or MBA	Minimum 5 years & familiar with complexities of major construction project. Responsible for relations with external stakeholders for the site: local communities, administrative authorities, and representatives of economic activities located within one hour travel from the Worksite. This person will be based on the Worksite on a permanent basis. Administrations and local authorities will be informed of the existence of this person as of the start of works and will be provided with telephone contact details so as to be able to contact this person if a problem arises during the execution of works or concerning the behavior of the Contractor's employees outside the Worksite.

NMRP Phase-2

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Note:-

- i. Planning Engineer, Interface Manager and Design Coordinator with suitable relevant experience in similar works shall be deployed as directed by Engineer.
- ii. The above requirements are minimum and the contractor should be capable to deploy additional technical work force if required, to meet the progress during the peak time and may also reduce the manpower towards the completion stages of Project with prior approval of Engineer-in-Charge.
- iii. The Bidder shall provide details of the proposed personnel and their experience records using Form-4 included in Section IV, Bidding Forms.



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5. Equipment (Bidder shall use Form-8 to submit the detail)

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(*)	3	5
2	Fully automatic and computerized batching plant (60 cum/hr.) minimum or equivalent capacity in different configuration at casting yard with suitable arrangements including RO for proper quality of water	2	10
3	Concrete pumps	As per requirement	10
4	Boom placers with min. 32 m long boom	As per requirement	10
5	Pneumatic tired over 2000 kg per Wheel Vibratory plate Compactor over 1100 kg/sq.m. of base plate	As per requirement	10
6	Graders	As per requirement	10
7	Earth Excavators, movers, dozers, Dumpers	As per requirement	10
8	Cranes / road cranes in casting yard / site of suitable capacity	As per requirement	10
9	Cranes / road cranes of suitable capacity for launching / erection	As per requirement	10
10	Trailers for carrying precast girders/	As per requirement	10
11	segments	60 MT - 1 Nos 20 MT - 1 Nos	15
12	Gantry of suitable capacity in casting yard	As per requirement	NA
13	20 MT - 1 Nos	As per requirement	
14	Minimum number of pre-casting beds	NA	10
15	Launching cranes of suitable capacity	NA	10

(*) Hydraulic Rigs deployed should have suitable capacity in terms of Torque and RPM to be able to drill through hard rock.

Note:

- i. The Equipment listed above are the minimum requirements and the cost of the same is deemed to be included in the quoted price. However, if they are found to be short and not adequate to complete the works as per key dates, then further equipment to be arranged to accelerate the progress of work. Nothing extra shall be paid against additional deployment of the equipment.
- ii. Hydra/Excavator/Transit Mixers/Man Lifter etc. are to be provided as per the requirements of the said work and the cost of the same is deemed to be included in the quoted price.
- iii. At the time of bidding contractor must demonstrate the possession of required plants & equipment and capability to mobilize within short notice without wasting prime working time.
- iv. 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.

The Bidder shall provide further details of proposed items of equipment using Form-8 in Section IV, Bidding Forms.

6. Domestic Preference: As per Make in India Policy-2017

