



Tender Notification No: MPMRCL/Bhopal Metro/2018/Package-01/01
Bhopal, Date: 23.05.2018

DETAILED NOTICE INVITING TENDER



Notice Inviting Tender (NIT) (International Competitive Bidding)



Madhya Pradesh Metro Rail Co Ltd. (MPMRCL)
(A Government of Madhya Pradesh Undertaking)
CIN: U75100MP2015SGC034434
Palika Bhawan, Near 6 No. Bus Stop, Shivaji Nagar, Bhopal-462016
Madhya Pradesh, India
Phone No: 0755-2555004

Tender Notification No: MPMRCL/Bhopal Metro/2018/Package-01/01 Bhopal, Date: 23.05.2018

E-Tenders are invited from reputed and experienced contractors for "Design and Construction of Elevated Viaduct of Length 6.225 kms between AIIMS and Subhash Nagar (excluding stations) including entry and exit to Depot" for Bhopal Metro Rail Project, Phase-1. Tenderers may purchase the tender documents from the official e-portal of Govt. of M.P. www.mpeproc.gov.in from 04.06.2018 to 22.06.2018 on payment of a non-refundable fee of INR 50,000/- inclusive of GST (Indian Rupees Fifty Thousand only) through e-portal. The details of Works are as under:

S. No.	Name of Work	Approx. cost of work (In INR)	Completion Period
1	Design and Construction of Elevated Viaduct of Length 6.225 kms between AIIMS and Subhash Nagar (excluding stations) including entry and exit to Depot	277 Crores	27 Months

Any clarification/corrigendum/addendum to the tender documents will be uploaded on the official e-portal only, without any obligation of press notification.

For further details, please visit official e-portal of Govt. of M.P. or official website of MPMRCL- www.mpmetrarail.com

For any additional information & help for downloading & uploading, please contact e-tendering service desk at the following ID: eproc_helpdesk@mpsdc.com & eproc.esc@gmail.com or at Toll Free No.: 18002588684 . Support Timings - Monday to Saturday - 10:00AM to 7:00PM

Managing Director
Madhya Pradesh Metro Rail Co Ltd



DETAILED NOTICE INVITING TENDER

1 GENERAL

1.1 Name of Work:

Madhya Pradesh Metro Rail Co Limited (“MPMRCL”- “the Employer”) invites online open e-tenders from eligible applicants, who fulfil the qualification criteria stipulated in Clause 1.3 of NIT, for the Tender Notification No: MPMRCL/Bhopal Metro/2018/Package-01/01, Bhopal, Date: 23.05.2018 for “Design and Construction of Elevated Viaduct of Length 6.225 kms between AIIMS and Subhash Nagar (excluding stations) including entry and exit to Depot”.

All details of the work will be provided in the Tender Documents.

1.2 Key Details:

Approximate cost of work	INR 277 Crores
EMD / Tender Security	INR 2.77 Crores
Completion period of the Work	27 months
Tender documents on sale	From 04.06.2018 to 22.06.2018 (up to 1800 hrs.) On e-tendering portal of Govt. of M.P. https://www.mpeproc.gov.in Tender documents can only be obtained online after registration of tenderers on the e-tendering portal of Govt. of M.P. For further information and any assistance, tenderers are advised to contact e-tender Helpdesk at the following id: eproc_helpdesk@mpsdc.com or eproc.esc@gmail.com or Toll free No.: 18002588684 Support Timings - Monday to Saturday - 10:00 AM to 7:00 PM



Cost of Tender documents	INR 50,000 (Inclusive of GST) Non- Refundable. The Tender Document can be purchased only online and downloaded from website www.mpeproc.gov.in under Live Tenders against Department name as — Urban Administration and Development Department. However, the tender documents of those tenderers shall be acceptable who have made online payment for the tender documents fee, without which bids will not be accepted. Service and gateway charges shall be borne by the Tenderers.
Last date of submission of queries through email only	25.06.2018
Pre-bid Meeting	11:00 AM on 29.06.2018
Last date of Seeking Clarifications post pre-bid meeting	02.07.2018 by email only. Queries/ clarifications from tenderers after due date and time shall not be acknowledged.
Last date of issuing addendum	09.07.2018
Last time & date of submission of Tender online	18:00 hrs. on 27.07.2018
Last time & date of submission of physical Tender – one hard copy (Tender Fee + Original EMD/Tender Security + Technical Bid only)	15:30 hrs. on 28.07.2018
Date & time of opening of Tender online	16:30 hrs. on 28.07.2018



Authority for purchase of tender documents, seeking clarifications and submission of completed tender documents.	Managing Director, Madhya Pradesh Metro Rail Co Limited, Palika Bhawan, Near 6 No. Bus Stop, Shivaji Nagar, Bhopal-462016, Madhya Pradesh Phone No: 0755-2555004 Email: metrorail@mpurban.gov.in http://mpmetrorail.com
Place of pre-bid meeting	Conference Hall, Madhya Pradesh Metro Rail Co Limited, Palika Bhawan, Near 6 No. Bus Stop, Shivaji Nagar, Bhopal-462016, Madhya Pradesh.

1.3 QUALIFICATION CRITERIA

1.3.1 Eligible Applicants

1.3.1.1 Tenders for this Contract will only be considered from those Tenderers (proprietorship firms, partnerships firms, companies, corporations, consortia or joint ventures) who meet the eligibility criteria prescribed in this NIT. In the case of a JV/ Consortium all members of the Group shall be jointly and severally liable for the performance of the whole of the Contract.

1.3.1.2 A Tenderer including any member of JV/Consortium shall only submit one Tender in the same tendering process, either individually as a tenderer or as a partner of a JV/ Consortium. A tenderer who submits or participates in more than one Tender will cause all of the proposals in which the tenderer has participated to be disqualified. No tenderer can be a subcontractor while submitting a Tender individually or as a partner of a JV/ Consortium in the same tendering process.

1.3.1.3 Tenderers shall not have a conflict of interest. All tenderers found to have a conflict of interest shall be disqualified. Tenderers shall be considered to have a conflict of interest with one or more parties in this tendering process, if:

- (a) A tenderer has been engaged by the Employer to provide consulting services for the preparation related to the procurement of or on the implementation of the project;
- (b) A tenderer has any associates/ affiliates (inclusive of parent firms) mentioned in subparagraph (a) above; or



(c) A tenderer lends, or temporarily seconds its personnel to firms or organisations which are engaged in consulting services for the preparation related to the procurement of or on the implementation of the project, if the personnel would be involved in any capacity on the same project.

1.3.1.4 A firm, who has purchased the tender document in their name, can submit the tender either as an individual firm or in JV/ Consortium. However, the lead partner in case of JV/Consortium must have the experience of 'Metro Viaduct'/ Viaduct/ Bridge/ Flyover construction.

1.3.1.5 Any Central or State Government Organisation/ department/ Public Sector Undertaking/ other Government entity including Delhi Metro Rail Corporation and/or other Metro Rail Corporations/ Multilateral/ Bilateral funding agencies must not have blacklisted or debarred the tenderer (any member in case of JV/ Consortium) as on the due date of tender submission. The tenderer should submit an undertaking to this effect in Appendix – 19 of Letter of Tender given in the tender document.

1.3.1.6 The Tenderer (any member in case of JV/Consortium) for the works awarded during last ten years ending on 31st March 2018;

(a) must not have been imposed maximum liquidated damages of 10% of the contract value in a contract or penalty of 10% (or more) of the contract value.

(b) The tenderer should submit an undertaking to this effect in Appendix – 20 of Letter of Tender.

1.3.1.7 If there is any misrepresentation of the facts with regards to the undertaking(s) and/or any other details submitted, the same will be considered as "Fraudulent practice" and such tenders will be summarily rejected.

1.3.1.8 The Tenderer (any member in case of JV/ Consortium) must not have suffered bankruptcy or insolvency during the previous 60 months from the last date of tender submission. The Tenderer should submit an undertaking to this effect in Appendix – 21 of Letter of Tender.

1.3.1.9 Tenderers (any member in case of JV/Consortium) shall not have applied for/ obtained corporate debt restructuring in immediately preceding 36 months from the last date of tender submission.

The tenderer shall submit an appropriate undertaking in the format given in Appendix-23 of LOT.



1.3.1.10 Lead Partner and other Partners in a JV/ Consortium

- (a) The lead partner must have a minimum of 40% participation in the JV/ Consortium and the lead partner must have a higher share than all other partners.
- (b) Other Partners must have a minimum of 26% participation in the JV/ Consortium.
- (c) Number of JV/Consortium Members shall not be more than three.
- (d) The Tenderer (all members in case of JV/Consortium) shall clearly and unambiguously define the role and responsibilities for each member in the JV agreement/MOU. They shall provide an MOU as specified in Appendix – 6 of Letter of Tender.

1.3.2 Minimum Eligibility Criteria

1.3.2.1 The Tenderer shall submit details of works previously executed by them to be considered qualified for the minimum eligibility criteria.

Documentary proof should be submitted, namely; client completion certificates clearly indicating the nature and scope of work, actual completion costs, actual completion dates. Tenders submitted without this documentary proof shall not be evaluated.

In case the work is executed for a private client the following shall be submitted: copy of the work order(s), bill of quantities, details of payments received, T.D.S. certificates for all payments received and copy of the final/last bill paid.

The value of successfully executed sections of any ongoing work up to 31st March, 2018 will be considered for qualification of work experience criteria. In the case of ongoing works, the tenderer shall submit a client certificate with the value of the “successfully executed” works.

For executed works, the value of work done shall be updated to the end of March 2018 price level assuming 5% inflation for Indian Rupees per year and 2% for foreign currency portions per year. The exchange rate of foreign currency shall be applicable 28 days before the last date of submission of the Tender.

1.3.2.2 Civil Work Experience

The tenderers will be qualified only if they satisfy the minimum eligibility criteria as given below within the past 10 years ending on 31.03.2018:

- (a) At least one “**Similar Work**” ** of value of **INR 222 Crores** or more.



If the above “Similar Work” ** of value **INR 222 Crores** or more has been done by the foreign partner of the JV/ consortium and was done in the country of the foreign partner then in addition to this work, the foreign partner must have done at least one “Similar Work” ** equal to or more than **INR 111 Crores** outside the country of the foreign partner.

or

- (b) Two “**Similar Works**”** each of value of **INR 139 Crores** or more.

If both the above “Similar Works”** of value **INR 139 Crores** or more have been done by the foreign partner of JV / consortium, then either at least one of these two works should have been done outside the country of the foreign partner and if not, then in addition to this, the foreign partner must have done at least one “Similar Work”** equal to value **INR 111 Crores** or more outside the country of the foreign partner.

or

- (c) Three “**Similar Works**”** each of value of **INR 111 Crores** or more.

If all the above three “Similar Works”** of **INR 111 Crores** or more or two out of three works have been done by foreign partner of JV / Consortium, then at least one of these three works should have been done outside the country of foreign partner.

And

- (d) In case of JV/Consortium, lead member must have executed “**Similar Works**”** from one contract of minimum **INR 111 crores**.

** “**Similar Work**” for this contract shall be the construction of ‘Metro Viaduct’/ Viaduct/ Bridge/ Flyover (excluding approaches & embankments) having a pre-stressed concrete super structure.

1.3.2.3 **Detailed Design Work Experience**

The Tenderer will be qualified only if they satisfy the following requirements as given below.

The Tenderer has to furnish the details of Detailed Design Consultant (DDC), whom they propose to engage for this Contract. The proposed DDC should have successfully completed Detailed Design Consultancy for at least 4 km length in one work of ‘Metro Rail viaduct’ project or in two works of Metro Rail viaduct projects combined together, within 10 years ending 31.03.2018. There is no bar for the DDC to be a member of the JV/Consortium.



If the DDC proposed is not a JV/Consortium member, there is no bar for the same DDC to be engaged by any other Tenderer(s) in the same capacity of DDC.

In case, the tenderer intends to utilize their own in-house capacity of Design, they are required to furnish all credentials and other required information in order to get qualified as per the experience criteria of Design of 'Metro Rail Viaduct' mentioned above for the work of DDC.

The Tenderer should submit details of Design Consultancy works executed by them or their proposed Detailed Design Consultant in the proforma of Appendix –17 of LOT.

A consent letter/MOU from the proposed Detailed Design Consultant shall be submitted by the Tenderer stating that they will work with the Tenderer, in case if the work is awarded to the Tenderer.

1.3.2.4 **Financial Standing**

1.3.2.4.1 Financial data for last five audited financial years has to be submitted by the Tenderer in Appendix – 18 of LOT along with audited financial statements.

The financial data in the prescribed format shall be endorsed / signed in original and stamped by a Chartered Accountant along with the CA's membership number.

1.3.2.4.2 The Tenderers will be qualified only if they have minimum financial capabilities as below:

(a) **T1 – Liquidity**

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).

Net Current Assets and/or documents including banking reference (as per proforma given in Annexure–8 of ITT), should show that the Tenderer has access to or has available liquid assets, lines of credit and other financial means to meet cash flow of **INR 21 Crores** for this contract.

Banking references should contain in clear terms the amount that the bank will be in a position to lend for this work to the Tenderer or to each member of the JV/ Consortium. In case the Net Working Capital (as seen from the Balance Sheets) are negative, only the banking references will be considered. Otherwise the aggregate of the Net



Current Assets and submitted banking references will be considered for calculating the Liquidity.

The banking references should be from a Scheduled Bank in India (meaning a bank which has been included in the Second Schedule of Reserve Bank of India Act, 1934; including Scheduled Commercial Foreign Banks with branch in India), excluding Cooperative Banks, acceptable to the Employer and it should not be earlier than 90 days from the original date of submission of the Tender excluding the date of submission of the tender.

In the case of JV/ Consortium the requirement for liquidity is to be distributed between the members as per their percentage participation and every member should satisfy the minimum requirement.

Example: Member-1 has percentage participation = M and member-2 has percentage participation = N.

If minimum liquidity required is “W” then liquidity of member-1 $\geq \frac{W M}{100}$ and liquidity of member-2 $\geq \frac{W N}{100}$.

(b) T2 – Profitability

Profit before Tax should be positive in **at least 2 (two) years**, out of the last five audited financial years.

In the case of JV/ Consortium the profitability of each members including the Lead Member must be positive.

(c) T3 - Net Worth

The net worth of the tenderer during last audited financial year should be a minimum **INR 27.70 Crores**.

In Case of JV/ Consortium the net worth will be based on the percentage participation of each Member and net worth of each member must be positive.

Example: Let Member-1 has percentage participation = M and Member-2 has = N. Let the Net worth of Member-1 is “A” and that of Member-2 is “B”, then the Net worth of JV will be = $\frac{AM+BN}{100}$

(d) T4 - Annual Turnover

The average annual turnover from construction works of last five financial years should be \geq **INR 111 Crores**.



The average annual turnover of JV / Consortium will be based on percentage participation of each member.

Example: Let Member-1 has percentage participation = M and Member - 2 has = N. Let the average annual turnover of Member-1 is "A" and that of Member-2 is "B", then the average annual turnover of JV will be = (AM+BN) /100

1.3.3 Bid Capacity Criteria

1.3.3.1 Bid Capacity

The tenderers will be qualified only if their available bid capacity is more than the approximate cost of work as per NIT. Available bid capacity will be calculated based on the following formula:

$$\text{Available Bid Capacity} = 2 * A * N - B$$

Where,

A = Maximum of the value of construction works executed in any one year during the last five financial years (updated to end of **31.03.2018** price level assuming 5% inflation for Indian Rupees every year and 2% for foreign currency portions per year).

N = No. of years prescribed for completion of this work (2.25)

B = Value (as on **31.03.2018**) of existing commitments for on-going construction works for next 27 months period with effect from **01.04.2018**.

- (a) Financial data for latest last five financial years has to be submitted by the tenderer in Appendix – 15 of LOT along with audited financial statements. The financial data in the prescribed format shall be endorsed /signed in original and stamped by a Chartered Accountant along with the CA's membership number.
- (b) The value of existing commitments for on-going construction works during the period 27 months period with effect from **01.04.2018** has to be submitted by the tenderer in Appendix – 16 of LOT. This data shall be certified by a Chartered Accountant with his stamp and signature in original and with his membership number.
- (c) In the case of a JV/consortium, the above formula will be applied to each member to the extent of his proposed participation in the execution of the work.



Example

Suppose there are “P” and “Q” members of the JV / group with their participation in the JV / Consortium as 70% and 30% respectively and available bid capacity of these members as per above formula individually works out “X” and “Y” respectively, then Bid Capacity of JV / Partnership / Consortium group shall be as under:

$$\text{Bid Capacity of the JV / Consortium} = 0.7X + 0.3Y$$

1.3.4 Tender submissions shall be considered for further evaluation, only if the following two Criteria are met;

- (i) Minimum Eligibility (Sub-Clause 1.3.2),
- (ii) Bid Capacity (Sub-Clause 1.3.3);

otherwise the tender shall be summarily rejected.

1.4 The Tender documents (which shall be made available as per para 1.2 Key Details of this NIT) consist of;

1.4.1 Volume I

- Notice Inviting Tender
- Instructions to Tenderers
- Letter of Tender

1.4.2 Volume II Conditions of Contract

- General Conditions of Contract
- Particular Conditions of Contract

1.4.3 Volume III Employer’s Requirements

- Contractor’s Organisation and Superintendence
- Commercial, Cost, Risk and Change
- Planning, Programming and Progress
- Record Keeping and Progress Reporting
- Health and Safety
- Quality
- Design
- Information



- Stakeholder and Communications
- Construction, Manufacturing, Installation and Logistics
- Site Management
- Interface
- Testing and Commissioning , Manuals and Record Drawings
- Training
- Systems Assurance
- Environmental and Sustainability
- Scope of Works

1.4.4 Volume IV Technical Specifications

- General
- General Design Criteria
- Elevated Design
- Geotechnical Specification
- CAD and BIM Management

1.4.5 Volume V Material and Workmanship Specifications

- General, Site Installation and Site Management
- Materials
- Earthworks
- Groundwater Management
- Roadworks
- Survey and Setting Out
- Waterproofing
- Monitoring and Instrumentation
- Piling and Diaphragm Walls
- Anchoring, Bracings, Nails and Bolts
- Ground Improvement
- Concrete
- Formwork and Concrete Finishes



- Reinforcement
- Pre-Stressed Concrete
- Geotechnical Investigations

1.4.6 Volume VI Tender Drawings

1.4.7 Volume VII Pricing Document

1.4.8 Volume VIII Geotechnical Report

- 1.5** The Contract shall be governed by the documents listed in Para 1.4 above along with latest edition of CPWD Specifications, IRS Specifications & MoRTH Specifications & Other Statutory Bodies
- 1.6** The tenderers may obtain further information and clarification, if any, in respect of these tender documents from the office of the Director (Technical), Madhya Pradesh Metro Rail Co Limited, Palika Bhawan, Near 6 No. Bus Stop, Shivaji Nagar, Bhopal-462016, Madhya Pradesh.
- 1.7** (i) All tenderers are hereby cautioned that tenders containing any material deviation or reservations as described in the "Instructions to Tenderers" and/or minor deviation without quoting the cost of withdrawal shall be considered as non-responsive and is liable to be rejected.
- (ii) All tenderers must be registered on the e-tendering portal <https://www.mpeproc.gov.in/>.
- (iii) Those who are not already registered on the e- tendering portal shall be required to be registered. Kindly note that it may take at least seven to ten business days for the issue of a digital certificate. Tenderers are advised to plan their time accordingly. The Employer shall bear no responsibility for accepting Tenders which are delayed due to non-issuance or delay in issuance of such digital certificate.
- (iv) After registration, the tenderer will receive a user id and password. On login, the tenderer can participate in the tendering process. Tenderers should have a valid class 3 Digital Signature Certificate (DSC), from any Certifying Authorities empanelled by Controller of Certifying Authorities India, to bid for all tenders solicited electronically.
- (v) In case of requirements of DSC, tenderers may visit <https://www.mpeproc.gov.in/> and follow the procedure mentioned in the document for Procedure for Digital Certificate.
- (vi) Tenderers are requested to visit the e-tendering website regularly for any clarifications, addendum and/or due date extensions.



(vii) The Employer shall not be responsible in any for delay / difficulties / inaccessibility of the downloading / uploading facility from the e-tendering web site for any reason whatsoever.

(viii) The tenderer whosoever is submitting the tender by his digital signature certificate shall invariably upload the scan copy of the authority letter as well as submit the hard copy of the same in original with the tender submission.

1.8 Submission of Tender:

1.8.1 Online Submission:

Tender submissions will be made online. The bid shall be submitted online via e-tendering portal under "**two electronic envelopes system**" within the prescribed schedule.

(a) **E - Envelope One** consisting of;

Envelope "A"

- i. Tender Fee.
- ii. Earnest Money Deposit/Tender Security, and

Envelope "B"

- iii. Technical Bid prepared as per the Tender Documents.

(b) **E - Envelope Two** consisting of;

E- Envelope "C" (Financial bid):

Under "Financial Bid"

1. **Schedule 'A' (Lump Sum component):** - The total amount worked out under schedule 'A' in Indian Rupees (on the basis of conversion rates as per tender conditions).
2. **Schedule 'B' (Provisional Sum Component):** - The amount given for Schedule 'B' in Indian Rupees is fixed.

The Tenderer shall submit their Financial Bid through online only.

1.8.2 Physical Submission:

The sealed Envelope One containing physical hard copies in original under Envelope "A" and Envelope "B" same as described in above para 1.8.1, excluding Envelope Two (Envelope "C" - Financial Bid) shall be submitted before the last date and time as mentioned in para 1.2 Key Details of this NIT.



If Envelope One (Containing Envelope “A” and “B”) is not submitted physically then the Tender shall be summarily rejected.

If Financial proposal (Envelope “C”) is submitted physically then the Tender shall be summarily rejected.

1.9 Earnest Money Deposit

The Tenderer shall submit an EMD / Tender Security (INR 2.77 crores) for the sum as mentioned in NIT in the following forms:

- (a) An amount of INR 20,00,000 (Indian Rupees Twenty Lakhs only) through Demand Draft in favour of “Madhya Pradesh Metro Rail Co Limited”.
- (b) For the balance Tender Security/Earnest Money Deposit , an irrevocable bank guarantee issued by a Scheduled Bank in India (meaning a bank which has been included in the Second Schedule of Reserve Bank of India Act, 1934; including Scheduled Commercial Foreign Banks with branch in India), excluding Cooperative Banks, in the form given in Annexure – 6 of Instructions to Tenderer, payable in Bhopal shall be submitted in scanned copy through online and hard copy in original before the respective tender closing dates as mentioned in para 1.2 Key Details of this NIT.

In case of JV, the Bank Guarantee for EMD / Tender Security shall be in the name of JV. In case of Consortium the EMD / Tender Security shall be submitted by the lead member of the Consortium, however the tender security must be on behalf of the Consortium. This shall not in any way alter the joint and several responsibilities of the members of the JV/Consortium. The EMD / Tender Security shall remain valid for a period of 240 days from the last date of submission of Tender.

1.10 Submission of Tenders shall be closed on the e-tendering portal of Govt. of M.P. on the date & time of submission prescribed in this NIT, after which no tender shall be accepted.

It shall be the responsibility of the tenderer to ensure that their tender is submitted online on e-tendering portal before the deadline of submission. The Employer will not be responsible for non-receipt of tender documents due to any delay and/or loss etc.

1.11 Tender shall be valid for a period of 180 days from date of submission of tender.



- 1.12** The Employer reserves the right to accept or reject any or all proposals without assigning any reasons. No tenderer shall have any cause of action or claim against the Employer for rejection of his proposal.

Date: 23.05.2018

Place: Bhopal

Managing Director
Madhya Pradesh Metro Rail Co Limited