

**NOTICE INVITING TENDER (NIT)  
(e-Tender)**

**1.1 GENERAL**

**1.1.1 Name of Work:**

Delhi Metro Rail Corporation (DMRC) Ltd. Invites online open e-tenders from eligible applicants, who fulfil qualification criteria as stipulated in Clause 1.1.3 of NIT, for the work “**Contract: DMRC/MU/LINE2/AC/01: Part design and construction of viaduct and 8 elevated stations viz., Anand Nagar, Rushi Sankul, I C Colony, Eksar, Don Bosco, Shimpoli, Mahavir Nagar and Kamraj Nagar (excluding architectural finishing and pre-engineered steel roof structure of stations) from chainage 192.5m to 8292.178 m (i.e. end of Kamraj Nagar station, DN Nagar end) of Dahishar (East) – D N Nagar Corridor of Mumbai Metro Rail Project**”

The brief scope of the work is provided in Clause A1 of ITT (Volume-1) and Employer’s Requirement (Volume-3).

**1.1.2 Key details :**

Approximate cost of work	INR <b>613</b> crore
Tender Security	INR <b>6.13</b> crore Tender Security (in original) as per clause C18 of ITT shall be accepted only <b>up to 1500 hrs on 09.03.2016</b> in the office of Executive Director/Contracts at the address mentioned hereinafter.
Completion period of the Work	30 (Thirty) months
Tender documents on sale	From <b>25.01.2016 to 09.03.2016 (up to 1100 hrs)</b> on e-tendering website <a href="http://www.tenderwizard.com/DMRC">www.tenderwizard.com/DMRC</a> . Tender document can only be obtained online after registration of tenderer on the website <a href="http://www.tenderwizard.com/DMRC">www.tenderwizard.com/DMRC</a> . For further information in this regard bidders are advised to contact on 011-49424307, 011-49424365 or 011-23417910.
Cost of Tender documents	INR 21,000/- (inclusive of 5% DVAT) Non-Refundable (Demand Draft /Banker’s cheque drawn on a Scheduled Commercial Bank based in India and should be in favour of “Delhi Metro Rail Corporation Ltd” payable at New Delhi) Cost of tender documents i.e, D.D. / Banker’s cheque, in original, shall be accepted only up to <b>1500 hrs on 09.03.2016</b> in the office of Executive Director/Contracts at the address mentioned hereinafter.
Last date of Seeking Clarifications	15.02.2016 up to 0900 hrs. Queries/clarifications from bidders after due date and time may not be entertained.
Pre-bid Meeting	11.02.2016 at 1100 hrs.
Last date of issuing addendum	23.02.2016
Date & time of Submission of Tender online	09.03.2016 up to 1500 hrs

Date & time of opening of Tender online	09.03.2016 at 1505 hrs.
<ul style="list-style-type: none"> <li>• Authority for purchase of tender documents, seeking clarifications and submission of completed tender documents</li> <li>• Place of pre-bid meeting</li> </ul>	<p><b>Executive Director/Contracts,</b>  Delhi Metro Rail Corporation,  5<sup>th</sup> floor, A-Wing, Metro Bhawan,  Fire Brigade Lane, Barakhamba Road,  New Delhi –110 001</p>

### 1.1.3 QUALIFICATION CRITERIA :

#### 1.1.3.1 Eligible Applicants :

- i. The tenders for this contract will be considered only from those tenderers (proprietorship firms, partnerships firms, companies, corporations, consortia or joint ventures) who meet requisite eligibility criteria prescribed in the sub-clauses of Clause 1.1.3 of NIT. In the case of a JV or Consortium, all members of the Group shall be jointly and severally liable for the performance of whole contract.
- ii. (a) A non-Indian firm is permitted to tender only in a joint venture or consortium arrangement with any other Indian firm having minimum participation interest of 26% or their wholly owned Indian subsidiary registered in India under Companies Act-2013 with minimum 26% participation.
  - (b) A tenderer shall submit only one bid in the same tendering process, either individually as a tenderer or as a partner of a JV. A tenderer who submits or participates in, more than one bid will cause all of the proposals in which the tenderer has participated to be disqualified. No tenderer can be a subcontractor while submitting a bid individually or as a partner of a JV in the same bidding process. A tenderer, if acting in the capacity of subcontractor in any bid, may participate in more than one bid, but only in that capacity.
- iii. 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 bidding process, if:
  - (a) a tenderer has been engaged by the Employer to provide consulting services for the preparation related to procurement for on implementation of the project;
  - (b) a tenderer is 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 procurement for on implementation of the project, if the personnel would be involved in any capacity on the same project.
- iv. A firm, who has purchased the tender document in their name, can submit the tender either as individual firm or in joint venture/Consortium. However, the lead partner in case of JV shall be one who has experience of viaduct/bridge/flyover.
- v. Any Central / State government department / public sector undertaking / other government entity or local body must not have banned business with the tenderer (any member in case of JV) as on the date of tender submission. Also no contract of the tenderer should have been rescinded / terminated by DMRC after award during last 5 years due to non-performance of the tenderer or any of JV/Consortium members. The tenderer should submit undertaking to this effect in **Appendix-19** of Form of Tender.
- vi. Tenderer (any member in case of JV/consortium) must not have paid liquidated damages of

10% (or more) of the contract value in a contract due to delay or penalty of 10% (or more) of the contract value due to any other reason during last five years. The tenderer should submit undertaking to this effect in **Appendix-20** of Form of Tender.

vii. Tenderer (any member in case of JV/consortium) must not have suffered bankruptcy/insolvency during the last 5 years. The tenderer should submit undertaking to this effect in **Appendix-21** of Form of Tender.

viii. LEAD PARTNER/ NON SUBSTANTIAL PARTNERS/ CHANGE IN JV/ CONSORTIUM

- a. Lead partner must have a minimum of 26% participation in the JV/Consortium.
- b. Partners having less than 26% participation will be termed as non-substantial partner and will not be considered for evaluation which means that their financial soundness and work experience shall not be considered for evaluation of JV/Consortium.
- c. In case of JV/Consortium, change in constitution or percentage participation shall not be permitted at any stage after their submission of application otherwise the applicant shall be treated as non-responsive.
- d. The tenderer, in case of JV/Consortium, shall clearly and unambiguously define the role and responsibilities for each substantial/non-substantial partner in the JV agreement / MOU submitted vide foot note (d) of **Appendix 6** of Form of Tender, providing clearly that any abrogation/subsequent re-assignment of any responsibility by any substantive/non-substantive partner of JV/Consortium in favour of other JV/Consortium partner or any change in constitution of partners of JV/Consortium (without written approval of Employer) from the one given in JV agreement / MOU at tender stage, will be treated, as 'breach of contract condition' and/or 'concealment of facts' (as the case may be), vide GCC clause 4.33.1 [a (ii) and (iii)] and acted accordingly.

The Employer in such cases, may in its sole discretion take action under clause 4.33.1 (b) and/or under clause 4.33.1(c) of GCC against any member(s) for failure in tenderer's obligation and declare that member(s) of JV/Consortium ineligible for award of any tender in DMRC or take action to terminate the contract in part or whole under clause 13 of GCC as the situation may demand and recover the cost/damages as provided in contract.

### 1.1.3.2 Minimum Eligibility Criteria:

**A. Work Experience:** The tenderers will be qualified only if they have minimum work-experience as follows:

Work Experience Eligibility Criteria			Compliance Requirements				Documentation
No.	Subject	Requirement	Single Entity	Joint Venture/Consortium			Submission Requirements
				All Substantial Partners Combined	Each Substantial Partner	One Substantial Partner	
(i)	General Construction Experience	(a) For the above and any other contracts the tenderer shall have completed and under implementation, during last seven years ending <b>29.02.2016</b> , as prime contractor, joint venture/consortium member or sub-contractor a minimum	Must meet requirement	N/A	Must meet requirement	N/A	Appendices-17B and 17C of FOT

Contract: DMRC/MU/LINE2/AC/01: Part design and construction of viaduct and 8 elevated stations viz., Anand Nagar, Rushi Sankul, I C Colony, Eksar, Don Bosco, Shimpoli, Mahavir Nagar and Kamraj Nagar (excluding architectural finishing and pre-engineered steel roof structure of stations) from chainage 192.5m to 8292.178 m (i.e. end of Kamraj Nagar station, DN Nagar end) of Dahishar (East) – D N Nagar Corridor of Mumbai Metro Rail Project

Work Experience Eligibility Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture/Consortium			Submission Requirements
				All Substantial Partners Combined	Each Substantial Partner	One Substantial Partner	
		<p>construction experience as under:</p> <p>Construction of 1.65 km of pre-stressed concrete superstructure viaduct/flyover/bridge (excluding approaches and embankments) in a single contract.</p> <p style="text-align: center;"><b>OR</b></p> <p>Construction of 13000 sqm area of elevated metro station(s)/RCC multi-storey building(s)/RCC shopping mall(s), etc. in a single contract.</p>					
(ii)	<b>Specific Construction Experience</b>	<p>(a) The tenderers shall have completed work(s), during last seven years ending <b>29.02.2016</b>, as prime/lead contractor, joint venture/consortium member or sub-contractor as given below.</p> <p>At least one “<b>similar work</b>” * of value <b>INR 490.40 crore</b> or more.</p> <p style="text-align: center;"><b>OR</b></p> <p>At least two “<b>similar works</b>” * each of value <b>INR 306.50 crore</b> or more.</p> <p style="text-align: center;"><b>OR</b></p> <p>At least three “<b>similar works</b>” * each of value <b>INR 245.20 crore</b> or more.</p> <p>* The “<b>similar work</b>” for this contract shall</p>	Must meet requirement	Must meet requirement	N/A	N/A	Appendices-17 and 17C of FOT

Work Experience Eligibility Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture/Consortium			Submission Requirements
				All Substantial Partners Combined	Each Substantial Partner	One Substantial Partner	
		be "Construction of Viaduct (which may include station along with viaduct)/ Bridge/ Flyover (excluding approaches & embankments) having a pre-stressed concrete superstructure.					
		<b>(b) Requirement for substantial foreign partner(s) of a JV/Consortium:</b> If the tenderer is a JV/Consortium having foreign member(s) and above work(s) have been executed by the foreign member of the JV/Consortium and the work(s) were done in the country of the origin of the foreign member, then in addition to this the foreign JV/Consortium member must have executed works of value <b>INR 245.20 crore or more</b> outside the country of the foreign member.	N/A	N/A	N/A	Must meet requirement by each substantial foreign partner	Appendices-17A and 17C of FOT

**Notes:**

1. The tenderer shall submit details of works executed by them in the Performa of **Appendix-17, 17A, 17B and 17C of FOT** (as applicable as per the table above) for the works to be considered for qualification of specific and general construction experience criteria. Documentary proof such as completion certificates from client clearly indicating the nature/scope of work, actual completion cost (for specific construction experience), actual completed quantum of work (for general construction experience) and actual date of completion for such work should be submitted. The offers submitted without this documentary proof shall not be evaluated. In case the work is executed for private client, copy of work order, bill of quantities, bill wise details of payment received certified by C.A., T.D.S certificates for all payments received and copy of final/last bill paid by client shall also be submitted.
2. Value of successfully completed substantial portion of any ongoing work, for specific construction experience, up to **29.02.2016** will also be considered for qualification of work experience criteria. In case of ongoing works of viaduct / bridge / flyover, tenderer shall

submit certificate issued by competent authority certifying substantial completion that includes substructure as well as superstructure of viaduct.

3. For completed works, value of work done shall be updated to **29.02.2016** price level assuming 5% inflation for Indian Rupees every year and 2% for foreign currency portions per year. The exchange rate of foreign currency shall be applicable 28 days before the submission date of tender.
4. In case of joint venture / Consortium, full value/quantum of the work, if done by the same joint venture shall be considered. However, if the qualifying work(s) were done by them in JV/Consortium having different constituents, then the value/quantum of work as per their percentage participation in such JV/Consortium shall be considered.
5. In the case of JV/Consortium, the value of contracts performed by its members shall not be aggregated to determine whether the requirement of the minimum value of similar work(s) has been met. Instead, each contract performed by each member shall satisfy the minimum value of similar work(s) as required for single entity.
6. If the above work(s) (i.e. Construction of Viaduct (which may include station along with viaduct)/ Bridge/ Flyover (excluding approaches & embankments) having a pre-stressed concrete superstructure and construction of elevated metro station(s)/RCC multi-storey building(s)/RCC shopping mall(s), etc.) comprise other works, then client's certificate clearly indicating the amount of work done/quantum of work done in respect of the "similar work" shall be furnished by the tenderer in support of the work experience along-with their tender submissions.

**B. Financial Standing:** The tenderers will be qualified only if they have minimum financial capabilities as below:

- (i) **T1 – Liquidity:** It is necessary that the firm can withstand cash flow that the contract will require until payments received from the Employer. Liquidity therefore becomes an important consideration.

This shall be seen from the balance sheets and/or from the banking reference. Net current assets and/or documents including banking reference (as per proforma given in Annexure-8 of ITT), should show that the applicant has access to or has available liquid assets, lines of credit and other financial means to meet cash flow of **INR 35.03 crore** for this contract, net of applicant's commitments for other Contracts. Banking reference should contain in clear terms the amount that bank will be in a position to lend for this work to the applicant/member of the Joint Venture/Consortium. In case the Net Current Assets (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 working out the Liquidity.

The banking reference should be from a Scheduled Bank in India or (in case of foreign parties) from an international bank of repute acceptable to DMRC and it should not be more than 3 months old as on date of submission of bids.

In Case of JV- Requirement of liquidity is to be distributed between members as per their percentage participation and every member should satisfy the minimum requirement.

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

If minimum liquidity required is 'W' then liquidity of member-1  $\geq \frac{W \cdot M}{100}$

and liquidity of member-2  $\geq \frac{W \cdot N}{100}$ .

This eligibility requirement (i.e., 'T1 – Liquidity') shall satisfy the condition given in Clause 1.1.3.4 hereinafter.

- (ii) **T2 - Profitability:** Profit before Tax should be **Positive in at least 2 (two) years**, out of the last five audited financial years.

In Case of JV: The profitability of only lead member shall be evaluated.

- (iii) **T3 - Net Worth:** Net Worth of tenderer during last audited financial year should be  $\geq$  **INR 49.04 crore**

In Case of JV- Net worth will be based on the percentage participation of each Member.

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

$$= \frac{AM+BN}{100}$$

- (iv) **T4 - Annual Turnover:** The average annual turnover from construction of last five financial years should be  $\geq$  **Rs. 196.16 crores**.

The average annual turnover of JV 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

$$= \frac{AM+BN}{100}$$

Notes :

1. Financial data for latest last five audited financial years has to be submitted by the tenderer in **Appendix-18 of FOT** along with audited balance sheets. The financial data in the prescribed format shall be certified by Chartered Accountant with his stamp and signature in original with membership number. In case audited balance sheet of the last financial year is not made available by the bidder, 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 '4' audited financial years will be taken into consideration for evaluation. If audited balance sheet of any year other than the last year is not submitted, the tender may be considered as non-responsive.
2. Where a work is undertaken by a group, only that portion of the contract which is undertaken by the concerned applicant/member should be indicated and the remaining done by the other members of the group be excluded. This is to be substantiated with documentary evidence.

#### 1.1.3.3 Bid Capacity Criteria :

**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 **29.02.2016** 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 the work

B = Value of existing commitments (**as on 29.02.2016**) for on-going construction works during period of **24 months w.e.f. 01.03.2016**.

Notes:

1. Financial data for latest last five financial years has to be submitted by the tenderer in **Appendix-15 of FOT** along with audited financial statements. The financial data in the prescribed format shall be certified by the Chartered Accountant with his stamp and signature in original with membership number.
2. Value of existing commitments for on-going construction works during period of **30 months w.e.f. 01.03.2016** has to be submitted by the tenderer in **Appendix-16 of FOT**. These data shall be certified by the Chartered Accountant with his stamp and signature in original with membership number.
3. In the case of a group, the above formula will be applied to each member to the extent of his proposed participation in the execution of the work. If the proposed % participation is not mentioned then equal participation will be assumed.

**Example for calculation of bid capacity in case of JV / Group**

Suppose there are 'P' and 'Q' members of the JV / group with their participation in the JV / group 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 / group shall be as under:

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

This eligibility requirement (i.e., 'Bid Capacity') shall satisfy the condition given in Clause 1.1.3.4 hereinafter.

- 1.1.3.4** There are two tenders for civil works of viaduct and stations of Mumbai Metro Rail Project viz., DMRC/MU/LINE2/AC/01 and DMRC/MU/LINE2/AC/02; tendering processes for which are running concurrently. The bidders may participate in the tender process(es) of any one or both of the tenders.

The tenderers who would be bidding for any one of the tender, out of the two, must satisfy the eligibility requirements of the respective tender.

In case any of the tenderers bids for both of the tenders, their 'T1 – Liquidity' (Clause 1.1.3.2 B. (i)) and 'Bid Capacity' (Clause 1.1.3.3) shall be evaluated for the individual requirements of respective tender as well as for the combined requirements of both the tenders. In case the bidder qualifies the combined requirements of these two criteria for both of the tenders, financial packages of both of the tenders shall be opened (provided the bidder meets other tender conditions).

In case the bidder does not qualify the combined requirements but individually qualifies the requirements of these two criteria, then in that case financial package of one tender (any one of the two tenders) shall be opened first (provided the bidder meets other tender conditions) and in the event the tenderer becomes the lowest in that particular tender, its financial offer of the other tender may not be opened and not be evaluated further. However, in the event the bidder does not become the lowest in the first tender, its financial offer of the other tender shall be opened (provided the bidder meets other tender conditions) and shall be evaluated further as per the terms and conditions of the tender.

For eligibility requirements of contract package DMRC/MU/LINE2/AC/02, please refer to NIT of this package on DMRC website [www.delhimetrorail.com](http://www.delhimetrorail.com) or [www.tenderwizard.com/DMRC](http://www.tenderwizard.com/DMRC).

- 1.1.3.5** The tender submission of tenderers, who do not qualify the minimum eligibility criteria & bid capacity criteria stipulated in the clauses 1.1.3.2 to 1.1.3.4 above, shall not be considered for further



evaluation and therefore rejected. The mere fact that the tenderer is qualified as mentioned in sub clause 1.1.3.2 to 1.1.3.4 shall not imply that his bid shall automatically be accepted. The same should contain all technical data as required for consideration of tender prescribed in the ITT.

**1.1.4 The Tender documents consist of :**

**Volume 1**

Notice Inviting Tender  
Instructions to Tenderers (including Annexures)  
Form of Tender (including Appendices)

**Volume 2**

General Conditions of Contracts  
Special Conditions of Contract (including Schedules)  
Condition of Contract on Safety, Health & Environment (SHE) for Mumbai Metro Rail Project

**Volume 3**

Employer's Requirements – General  
Employer's Requirements – Functional  
Employer's Requirements – Design  
Employer's Requirements – Construction  
Employer's Requirements – Appendices

**Volume 4**

Design Basis Report  
Technical Specifications

**Volume 5**

Tender Drawings

**Volume 6**

Bill of Quantities

**Volume 7**

Reference Document – Geotechnical Report

- 1.1.5 The contract shall be governed by the documents listed in Para 1.1.4 above along with latest edition of CPWD Specifications, IRS Specifications & MORTH Specifications. These may be purchased from the market.
- 1.1.6 The tenderers may obtain further information/ clarification, if any, in respect of these tender documents from the office of **Executive Director/Contracts**, Delhi Metro Rail Corporation, 5<sup>th</sup> floor, A-Wing, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi –110001.
- 1.1.7 All tenderers are hereby cautioned that tenders containing any material deviation or reservations as described in Clause. **E 4.0** of "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.

- 1.1.8 The intending tenderers must be registered on e-tendering portal [www.tenderwizard.com/DMRC](http://www.tenderwizard.com/DMRC). Those who are not registered on the e-tendering portal shall be required to get registered beforehand. If needed they can be imparted training on 'online tendering process'. After registration, the tenderer will get user id and password. On login, tenderer can participate in tendering process and can witness various activities of the process.
- 1.1.9 The authorized signatory of intending tenderer, as per Power of Attorney (POA), must have valid **Class-III digital signature**. The tender document can only be downloaded or uploaded using Class-III digital signature of the authorized signatory.
- 1.1.10 Tender submissions will be made online after uploading the mandatory scanned documents towards cost of tender documents such as Demand Draft or Pay Order or Banker's Cheque from a Scheduled commercial bank based in India and towards Tender Security such as Bank Guarantee or Demand Draft or Pay Order or Banker's Cheque from a Scheduled commercial bank based in India and other documents as stated in the tender document.
- 1.1.11 Submission of Tenders shall be closed on e-tendering website of DMRC at the date & time of submission prescribed in NIT after which no tender shall be accepted.
- It shall be the responsibility of the bidder / tenderer to ensure that his tender is submitted online on e-tendering website [www.tenderwizard.com/DMRC](http://www.tenderwizard.com/DMRC) before the deadline of submission. DMRC will not be responsible for non-receipt of tender documents due to any delay and/or loss etc.
- 1.1.12 Tenders shall be valid for a period of **180 days** (both days inclusive i.e. the date of submission of tenders and the last date of period of validity of the tender) from the date of submission of Tenders and shall be accompanied with a tender security of the requisite amount as per clause C18 of ITT.
- 1.1.13 DMRC 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 DMRC for rejection of his proposal.

**Executive Director/Contracts  
Delhi Metro Rail Corporation Ltd.**