



NOIDA METRO RAIL CORPORATION (NMRC) LIMITED

Tender No: NMRC/CIVIL/DDC/106/2020

Engagement of Detailed Design Consultant (DDC) for Civil, Architectural and E & M Works of Noida-Greater Noida Metro Corridor from Sector – 51 Noida to Greater Noida Sector – 2 ; consisting of 9.605 Km Viaduct including 5 Stations.

TENDER DOCUMENTS

VOLUME – 1

Notice Inviting Tender (NIT)

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General Conditions of Contract (GCC)

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**Noida Metro Rail Corporation (NMRC) Limited
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301,
District Gautam Budh Nagar, Uttar Pradesh, India**

Tender No: NMRC/CIVIL/DDC/106/2020

TENDER DOCUMENTS

VOLUME-1

NOTICE INVITING TENDER (NIT)

**NOTICE INVITING TENDER
NOIDA METRO RAIL CORPORATION LIMITED**

1.1.1 Name of Work:

Noida Metro Rail Corporation (NMRC) Ltd. invites Open e-Tenders from eligible applicants, who fulfil qualification criteria as stipulated in Clause 1.1.3 of NIT, for the work, “**Contract NGNDDC: Engagement of Detailed Design Consultant (DDC) for Civil, Architectural and E & M Works of Noida-Greater Noida Metro Corridor from Sector – 51 Noida to Greater Noida Sector – 2 , consisting of 9.605 Km Viaduct including 5 Elevated Stations**”.

1.1.2 Key details :

Approximate cost of work	INR 2.76 crores.(excluding GST)
Tender Security amount	INR 2.76 lacs.
Completion period of the Work	24 months
Uploading of Bid	22.01.2020
Cost of Tender documents	INR 23600/- (inclusive of 18% GST) Non-Refundable (RTGS)
Pre-bid Meeting	10.02.2020, 1100 hrs (IST)
Last Date of Seeking Clarifications	11.02.2020
Last date of issuing addendum	14.02.2020
Date & time of Submission of Tender	19.02.2020, 1700 hrs (IST)
Date & time of opening of Tender	20.02.20, 1100 hrs (IST)
<ul style="list-style-type: none"> • Authority to purchase tender document, seeking clarifications and submission of completed tender document • Place for pre-bid meeting 	GM (Technical) Noida Metro Rail Corporation, Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida 201301 Email: nmrcnoida@gmail.com Website: www.nmrcnoida.com
<ul style="list-style-type: none"> • Detail of Bank account of NMRC for tender security & tender fee 	State Bank of India (04077) – Sector 18, Noida Gautam Budh Nagar, Uttar Pradesh -201301 IFSC Code: SBIN0004077 A/c No. 37707840592 Noida Metro Rail Corporation Ltd.

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 agreement either with an Indian firm having minimum participation interest of 26% or their wholly owned Indian subsidiary registered in India under Companies Act-1956 with minimum 26% participation.
 - (b) A tenderer shall submit only one bid, either individually as a tenderer or as a partner of a JV/Consortium. A tenderer who submits or participates in more than one bid will cause all of the proposals in which the tenderer has participated either as sole tenderer or member of JV/consortium will be disqualified. No tenderer can be included as subcontractor while submitting a bid individually or as a partner of a JV/consortium in the same bidding process subsequently or at the tender stage. A tenderer, if acting in the capacity of subcontractor in any bid may however participate in more than one bid, but only in the capacity as subcontractor.
- iii. Tenderers shall not have a conflict of interest. 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 implementation of the project;
 - (b) a tenderer's associate(s)/affiliate(s) (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 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 as partner of a joint venture/consortium. However, the lead partner in case of JV shall be one who has experience of similar works.
- v. **NON SUBSTANTIAL PARTNERS IN CASE OF 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. Partners having 26% or more percentage participation shall be termed as substantial partner.

- 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.

1.1.3.2 Minimum Eligibility Criteria:

A. Work Experience: The tenderers will be qualified only if they have completed work(s) during last seven years ending **31.12.2019** as given below:

At least one work of DDC (Detail Design Consultant) of Viaduct (of at least 10 km length) and Stations (5 nos.) for Metro Rail / Light Rail / Railway of value **INR 2.20 crores** or more.

If the above work of **INR 2.20 crores** has been done by the foreign partner of JV and the work was done in the country of the foreign partner then in addition to this, the foreign partner must have done works equal to **INR 2.20 crores** outside the country of the foreign partner.

OR

Two works of DDC (Detail Design Consultant) of Viaduct (of total length at least 10 km) and total 5 nos. of Stations for Metro Rail / Light Rail / Railway each of value **INR 1.38 crores** or more.

If the above two works each of **INR 1.38 crores** has been done by the foreign partner of JV and the work was done in the country of the foreign partner then in addition to this, the foreign partner must have done works equal to **INR 1.38 crores** outside the country of the foreign partner.

OR

Three works of DDC (Detail Design Consultant) of Viaduct (of total length at least 10 km) and total 5 nos. of Stations for Metro Rail / Light Rail / Railway each of value **INR 1.10 crores** or more.

If the above three works each of **INR 1.10 crores** has been done by the foreign partner of JV and the work was done in the country of the foreign partner then in addition to this, the foreign partner must have done works equal to **INR 1.10 crores** outside the country of the foreign partner.

AND

Each substantial partner should have completed at least one DDC work of Viaduct and / or Station of value **INR 2.20 crores** or more.

Notes:

To substantiate experience the tenderer shall submit technical proposal with following details:

Relevant Detailed Design Consultancy (DDC) Experience during last 07 years ending 31.12.2019 (Viaduct (of at least 10 km length) and Stations (5 nos.) for Metro Rail / Light Rail / Railway)					
S. No	Project Name and Client	Construction Method (Segmental/Full Span/ Others)	Length of Viaduct	Number of Elevated Stations	Year of Completion

- The tenderer shall submit details of works executed by them in the Performa prescribed in **Appendix-13 of FOT** for the works to be considered for qualification of work experience criteria. Documentary proof such as completion certificates from client clearly indicating the nature/scope of work, actual completion cost 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 be submitted.
- Value of successfully completed portion of any ongoing work up to **31.12.2019** will also be considered for qualification of work experience criteria.
- For completed works, value of work done shall be updated to **31.12.2019** 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.
- In case of joint venture / Consortium, full value 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 of work as per their percentage participation in such JV/Consortium shall be considered.

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, 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 20 lakh** 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 NMRC **as per standard proforma provided in ITT as Annexure-4** 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 $\geq \frac{W M}{100}$

100

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

100

- (ii) **T2 - Profitability:** Profit before Tax should be Positive in at least 2 (two) year, 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 28 lakh**

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

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

100

- (iv) **T4 - Annual Turnover:** The average annual turnover from consultancy works of last five financial years should be \geq **INR 1.11 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

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

100

Notes :

- Financial data for latest last five audited financial years has to be submitted by the tenderer in **Appendix-12 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. 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.
- 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.

C. 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:

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

Where,

A = Maximum of the value of Consultancy work executed in any one year during the last five financial years (updated to **31.12.2019** 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 31.12.2019**) for on-going Consultancy work during period of **24 months w.e.f. 01.02.2020**.

Notes:

- Financial data for latest last five financial years has to be submitted by the tenderer in **Appendix-10 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.
- Value of existing commitments for on-going Consultancy work during period of **24 months w.e.f. 01.02.2020** has to be submitted by the tenderer in **Appendix-11 of FOT**. These data shall be certified by the Chartered Accountant with his stamp and signature in original.

- 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:

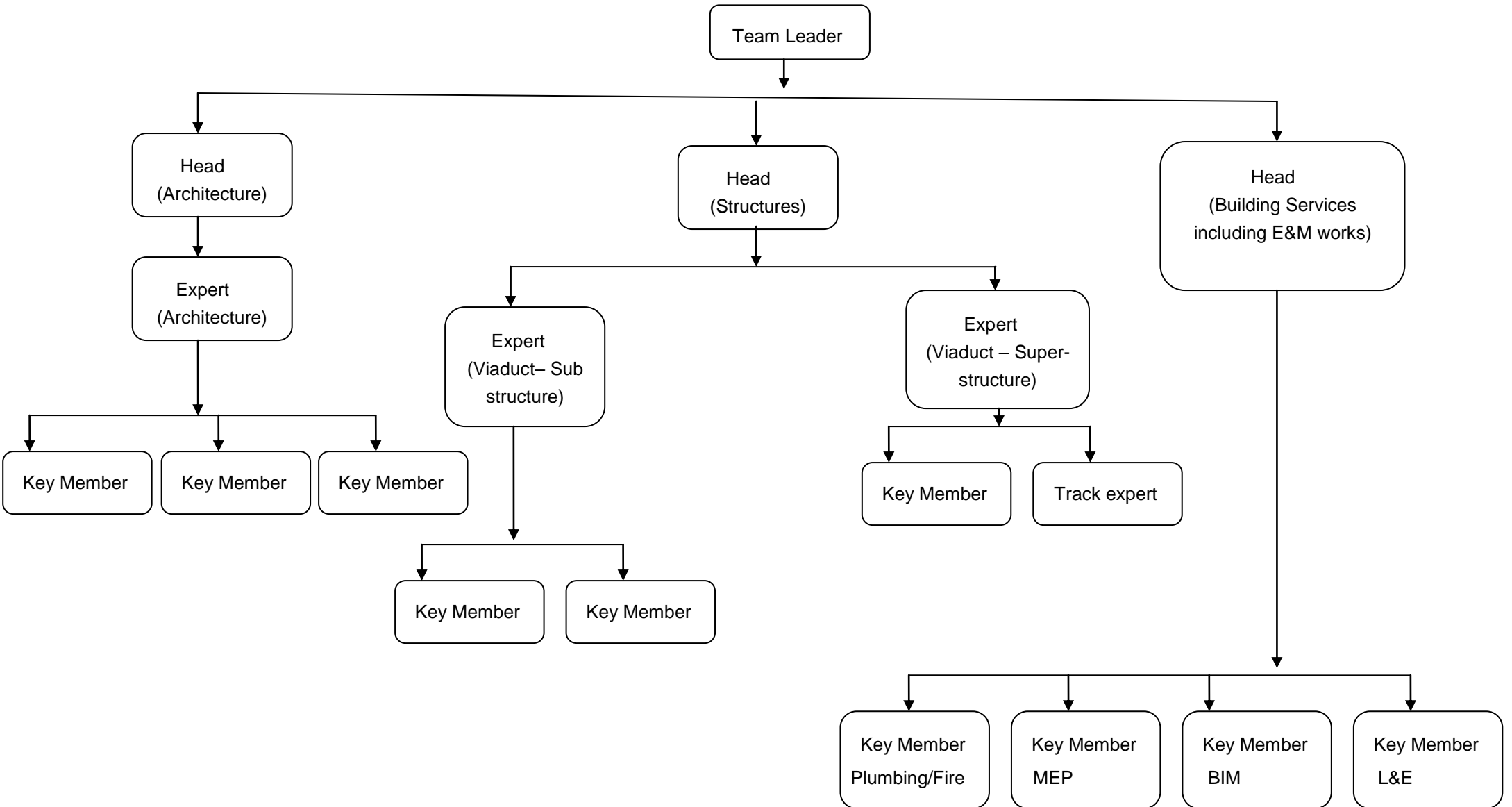
Bid Capacity of the JV / group = 0.7X + 0.3Y

D. Additional Requirements:

- (i) The Tenderer shall have to comply following requirements to qualify:
- The tenderer shall submit an organisation chart together with clear description of the responsibilities of each member within the overall work programme.
 - The form of organization structure is prescribed in fig. 1 below.

Contract NGNDD01: Engagement of Detailed Design Consultant (DDC) for Civil, Architectural and E & M Works of Noida-Greater Noida Metro Corridor from Sector – 51 Noida to Greater Noida Sector – 2, Consisting of 9.605 Km Viaduct including 5 Elevated Stations

Fig. 1



- The DDC team shall be headed by a '*Team Leader*' having experience not less than 15 years of MRTS as Team Leader and have handled minimum 02 projects of similar nature & complexity (sufficient proof shall be submitted to substantiate the qualification and experience). The team leader will be supported by following teams.
- Under team leader, '*Heads*' of expertise team in each area of discipline (i.e. Structures, Architecture and Building Services including E&M works) shall be deployed who must have minimum experience of 10 years of relevant experience in the concerned field and have handled minimum 01 project of similar nature & complexity. In addition, the Expert(Viaduct-Super Structure)' must have experience of design of U/C-Girder Superstructure. (sufficient proof shall be submitted to substantiate the qualification and experience).
- Under heads of expertise team, '*Experts*' in each area of discipline (i.e. Structures, Architecture and Building Services including E&M works) shall be deployed who must have minimum experience of 07 years of relevant experience in the concerned field and have handled minimum 01 project of similar nature & complexity. In addition, the Expert team (Viaduct-Super Structure)' must have experience of design of U/C-Girder Superstructure. (sufficient proof shall be submitted to substantiate the qualification and experience).
- Under experts of each area of discipline, '*Key Members*' shall be deployed who must have minimum experience of 05 years of relevant experience to handle projects of similar nature & complexity (sufficient proof shall be submitted to substantiate the qualification and experience).
- The technical proposal will be evaluated based on the capabilities /technical strength of staff proposed to be deployed.

The above details should be submitted separately for Architecture, Structures and Building Services. The offer should cover the entire Scope of Work, as laid out in tender documents.

Please note carefully the requirements for submitting tender, and the date and time for submittal.

1.1.3.3 The tender submission of tenderers, who do not qualify the minimum eligibility criteria & bid capacity criteria stipulated in the clauses 1.1.3.2 A, B, C & D 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 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.

1.4 The descriptive and detailed scope is defined in Scope of Works (Volume 2)

1.5 Tender Documents comprise of following documents

Volume 1

- Notice Inviting Tender (NIT)
- Instructions to Tenderer (ITT) including annexures
- Form of Tender (FOT) including appendices
- General Conditions of Contract (GCC)
- Special Condition of Contract (SCC)

Volume 2

- Scope of Work

Volume 3

- Financial Package

Volume 4

- Reference Documents
 - Part-I: Outline Design Criteria - Railway Geometry, Bridges And Viaducts
 - Part-II: Outline Design Criteria - Geo-Technical, Foundation And Railway Formation Works
 - Part-III: General Planning Criteria
 - Part-IV: Building Services
 - Part-V: Interface Scheme Management
 - Part-VI: Design Criteria (Depot, Yard & Workshop)

Please note carefully the requirements for submitting tenders, and the date and time for submittal.

- 1.6 The tenderers may obtain further information/ clarification, if any, in respect of these tender documents from the office of **General Manager/ Technical, Noida Metro Rail Corporation (NMRC) Limited**, Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301, District Gautam Budh Nagar, Uttar Pradesh, India.
- 1.7 The intending tenderers must be registered on e-tendering portal <https://etender.up.nic.in>. 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.
- 1.8 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.

- 1.9 Tender submissions will be made online after uploading the mandatory scanned documents towards cost of tender documents. The tenderers shall have to pay cost of bid document/ e-Tender processing fee of as mentioned in **Data Sheet** through RTGS/NEFT only payable in favour of Noida Metro Rail Corporation Limited in the A/c No. mentioned in **Data Sheet**. from a Scheduled commercial bank based in India and other documents as stated in the tender document.
- 1.10 Late tenders (received after date and time of submission of bid) shall not be accepted under any circumstances.
- 1.11 Tenders shall be valid for a period of 180 days (both days inclusive i.e. the date of submission of tender and the last date of period of validity of the tender) from the date of submission of Tenders and shall be accompanied with a earnest money deposit of the requisite amount as per clause 4.0 of ITT.
- 1.12 NMRC 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 NMRC for rejection of his proposal.

**General Manager/ Technical
Noida Metro Rail Corporation Ltd.**