

Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

# **NOIDA METRO RAIL CORPORATION (NMRC) LIMITED**

## **REQUEST FOR PROPOSAL (RFP)**

**E-Tender No. NMRC/Traction/PSI/MDB/LT/437/2026**

### **Tender Document**

Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC.

FEBRUARY 2026

**Issued by:**

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

# Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

## Disclaimer

This Request for Proposal (RFP) Document (or “Tender”) for “Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC.” contains brief information about the scope of work and selection process for the Bidder (‘the Contractor” or “the Tenderer”). The purpose of the Document is to provide the Bidders with information to assist the formulation of their Bidding Documents.

While all efforts have been made to ensure the accuracy of information contained in this RFP Document, this Document does not purport to contain all the information required by the Bidders. The Bidders should conduct their own independent assessment, investigations and analysis and should check the reliability, accuracy and completeness of the information at their end and obtain independent advice from relevant sources as required before submission of their Bid/s. Noida Metro Rail Corporation Ltd. (“NMRC” or “the Corporation” or “the Purchaser”) or any of its employees or advisors shall incur no liability under any law, statute, rules or regulations as to the accuracy or completeness of the RFP Document.

NMRC reserves the right to change any or all conditions/information set in this RFP Document by way of revision, deletion, updating or annulment through issuance of appropriate addendum as NMRC may deem fit without assigning any reason thereof.

NMRC reserves the right to accept or reject any or all Bids without giving any reasons thereof. NMRC will not entertain or be liable for any claim for costs and expenses in relation to the preparation of the Bid/s to be submitted in terms of this RFP Document.

## Glossary

- a) “**Addendum / Amendment**” means any written amendment / addendum /corrigendum to this RFP, from time to time issued by NMRC to the prospective bidders
- b) “**Agreement**” means the Contract Agreement to be executed between NMRC and the Selected Bidder
- c) “**Applicable Laws**” means all the laws including local, state, national or other laws, brought into force and effect by Govt. of India, State Governments, local bodies, statutory agencies and any other, and rules / regulations / notifications issued by them from time to time. It also include judgments, decrees, injunctions, writs and orders of any court or judicial authority as may be in force and effected from time to time
- d) “**Bidder**” or “**Tenderer**” means any entity which is a sole proprietorship firm, a partnership firm or a company, in title and assigns which is submitting its bid pursuant to RFP Documents
- e) “**Bid Due Date**” means Bid Submission end date and time given in the tender
- f) “**Earnest Money Deposit (EMD)**” means the refundable amount to be submitted by the Bidder along with RFP documents to NMRC
- g) “**Performance Bank Guarantee/ Security Deposit**” means interest free amount to be deposited by the Contractor with NMRC as per terms and conditions of Contract Agreement as a security against the performance of the Contract agreement
- h) “**NMRC**” means Noida Metro Rail Corporation Limited ( or “Corporation” or “Purchaser” or “Employer”)
- i) “**Party**” means Contractor or Corporation (together they are called “**Parties**”)
- j) “**Re. or Rs. or INR**” means Indian Rupee
- k) “**Selected Bidder**” means the bidder who has been selected by NMRC, pursuant to the bidding process for award of Contract

The words and expressions beginning with capital letters and defined in this document shall, unless repugnant to the context, have the meaning ascribed thereto hereinabove.

Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

**Data Sheet**

1	Name of the Bid	Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC.
2	Approximate Cost of Work	<b>Rs. 65,85,200.00</b> (Rupees Sixty Five Lakh Eighty Five Thousands Two Hundred only) (including GST)
3	Time-period of contract	One (1) Year
4	Method of selection	Cost Based Selection (Lowest -L1)
5	Bid Processing Fee	<b>Rs.5,900/-</b> (including GST)(Rupees Five Thousand Nine Hundred only) through DD/RTGS/NEFT only payable in favour of Noida Metro Rail Corporation Limited.
6	Earnest Money Deposit (EMD)	<b>Rs. 1,31,700/-</b> (Rupees One Lakh Thirty One Thousand Seven Hundred only) (Including GST)
7	Financial Bid to be submitted together with Technical Bid	Yes
8	Name of the Corporation's official for addressing queries and clarifications	<b>DGM (Electrical)</b> Noida Metro Rail Corporation Ltd. Block-III, 3rd Floor, Ganga Shopping Complex, Sector- 29, Noida 201301 Email: <a href="mailto:dgm_elec@nmrcnoida.com">dgm_elec@nmrcnoida.com</a> <a href="mailto:nmrcpsi@gmail.com">nmrcpsi@gmail.com</a> Website: <a href="http://www.nmrcnoida.com">www.nmrcnoida.com</a> , <a href="http://etender.up.nic.in">http://etender.up.nic.in</a>
9	Bid Validity Period	180 days
10	Bid Language	English
11	Bid Currency	INR
12	<b>Schedule of Bidding Process</b>	
	Head	Key Dates
	Uploading of Bid	13.02.2026, Thursday
	Pre-bid Meeting	20.02.2026 11:00hrs (IST) Friday
	Last date of submission of Queries	27.02.2026 16:00hrs (IST) Friday
	Last date of issuing amendment/clarifications, if any	06.03.2026 17:30hrs (IST) Friday
	Last Date of Bid Submission	13.03.2026 15:00hrs (IST) Thursday
	Date of Technical Bid Opening	13.03.2026 15:30hrs (IST) Thursday
13	Consortium to be allowed	Yes
14	Account details	<b>For Bid Processing Fee &amp; EMD</b> State Bank of India (04077) – Sector 18, Noida Gautam Budh Nagar, Uttar Pradesh - 201301 IFSC Code: SBIN0004077 <b>A/c No. 37707840592</b> <b>Noida Metro Rail Corporation Ltd.</b>

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## Section 1: General Information and Scope

### 1.1. Background

- a. Noida and Greater Noida are being developed as the satellite towns to New Delhi and more and more people from Delhi and other areas are shifting to these towns in search of fresh air, greenery and better infrastructure. There is a need of providing an efficient, reliable and comfortable transportation system for the population intending to settle in these towns and also the public coming to these areas for education, service and business.
- b. Noida Metro Rail Corporation is a Special Purpose Vehicle (SPV) formed by Noida and Greater Noida Authorities for planning and executing urban transport projects in Noida, Greater Noida regions. The Corporation desires to provide a world-class Public Transportation System with state-of-the-art technology. As such, the overarching criterion for setting up of the Corporation is to help create an efficient, safe, reliable, economical and affordable public transport system.
- c. NMRC invites Bids for selection of Contractor for Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC.
- d. In this regard, the Corporation now invites **open Tender for e-bidding** as per provisions of this RFP Document.
- e. NMRC will shortlist the Bidders on the basis of evaluation criteria mentioned in this RFP Document. On the basis of the minimum evaluation criteria, qualified Bidders will be shortlisted and financial proposal of only qualified Bidders will be opened.

### 1.2. About Metro Locations

The metro corridor is 29.7 km long and is known as Noida Greater Noida Metro Rail Corridor. It comprises 21 metro stations starting from Sector 51 in Noida and ends up at Depot Station in Greater Noida. The map is in Appendix 1: Metro Alignment

#### **Communication**

All communications should be addressed to -

#### **DGM/Electrical**

Noida Metro Rail Corporation (NMRC) Limited  
Block-III, 3<sup>rd</sup>Floor, Ganga Shopping Complex, Sector-29,  
Noida -201301  
District GautamBudh Nagar, Uttar Pradesh

Email: [dgm\\_elec@nmrcnoida.com](mailto:dgm_elec@nmrcnoida.com)  
[nmrcpsi@gmail.com](mailto:nmrcpsi@gmail.com)

## 2. Section 2: Terms of Reference

### Objective

Execution of Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC provided in tender with suitable uniformed trained manpower, consumables, spare parts, equipment & machinery etc. The Tenderer is to carry out their self-assessment in respect of their capacity in terms of manpower, maintenance, machine, spare parts and finance. The Bidder should be able to take up additional similar work at short notice. Similarly the scope of work may also be reduced on account of poor performance and contractor shall have no right for any claims due to reduction in scope of work.

#### a. General

The works shall be done in accordance with Employer's Requirements and the other requirements of the Contract.

The work shall be executed to the highest standards available using proven up-to-date good Engineering practices. Tenders are called from the electrical contractor having valid contractor license.

#### b. Scope of Works

The work covered in the tender:

- Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC. Broad scope of work under this contract is covered under clause 7.8.

All activities to be carried out as per the Schedule of work given in 'Bill of Quantity', as per 'Special conditions of contracts' and as other terms & conditions of tender documents.

Other miscellaneous items shall be as per instructions of engineer in charge.

#### It is to be noted:

1. The contractor shall plan & execute the work in such a way that the work proceeds smoothly to the satisfaction of engineer.
2. The Contractor shall attend regular coordination meetings convened by the employer / engineer for interface and adhere to the decisions taken in the meeting.
3. Access will be provided to the staff appointed by the contractor for carrying out their works and bringing materials and Equipments at site. However, the security of materials and Equipments brought at the site will be the responsibility of the Contractor.
4. The Contractor shall take all necessary precautions to ensure safety of the staff, adjoining structures, materials & equipments and the work in progress as per the directions of engineer- in-charge.
5. Manpower (Electrician & Helper) shall be deployed as specified in the tender documents. They shall be adequately qualified & shall be authorized to carry out the Electrical Work. All the staff to be deployed after giving the safety training and police verification. Only authorized staff of contractor having proper identity card shall be permitted to enter in metro stations for execution of work.
6. All incidental arrangements for safe transport of Material, machine, tools etc. shall be the responsibility of the contractor. All expenditure to be incurred in this connection shall be borne by contractor.
7. Log book in hard and soft copy detailing work carried out by Contractor which mentioning date, details of work completed, complaints if any etc. will be maintained and

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signed both by NMRC and contractor officials.

8. In case of discrepancy among Standard codes of Practice, Technical Specifications and provision in sub-clauses in this NIT, the order of precedence will be as below:
  - Provision in NIT/BOQ
  - Technical Specifications
  - Standard Code of Practice

### **3. Section 3: Instructions to Bidders**

#### **General instructions**

- a. A tenderer shall submit only one bid in the same tendering process, individually as a tenderer. 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 sub-contractor while submitting a bid individually 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.
- b. The Bidder shall initiate, and actively pursue and involve itself in all investigations and enquiries, Corporation feedbacks, information, convening of and attendance at meetings, and in any other activities as are or may be necessary for producing high quality work as per the requirements.
- c. The Bidder shall carry out the services in compliance with the provisions of this Agreement. Any and all changes necessary to ensure that the Bidder's documents conform to the intent and purpose set out in the Agreement, shall be made at the Bidder's own expense. The Bidder represents that it is a professional and experienced company, and hereby agrees to bear full responsibility for the correctness and technical merit of the services performed.
- d. Bidders shall be evaluated on the basis of the Evaluation Criteria specified in this document. Bidders shall be deemed to have understood and agreed that no explanation or justification for any aspect of the Selection Process will be given and that NMRC's decisions are without any right of appeal whatsoever.
- e. Any entity which has been barred by the Central/State Government in India or by any entity controlled by them, from participating in any project, and the bar subsists as on the date of Bid, would not be eligible to submit an e - Bid.
- f. Bidders are encouraged to inform themselves fully about the assignment and the local conditions before submitting the e-Bid by paying a visit to the Corporation and/or by sending written queries to NMRC before the last date for receiving queries/clarifications.
- g. NMRC shall not be liable for any omission, mistake or error on the part of the Bidder in respect of any of the above or on account of any matter or thing arising out of or concerning or relating to e-Bid or the Selection Process, including any error or mistake therein or in any information or data given by NMRC.
- h. The currency for the purpose of the Proposal shall be the Indian Rupee (INR).
- i. 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:
  - i. A tenderer has been engaged by the Employer to provide consulting services for the preparation related to procurement or implementation of the project;
  - ii. A tenderer is any associates/affiliates (inclusive of parent firms) mentioned in subparagraph above; or
  - iii. A tenderer lends, or temporarily seconds its personnel to firms or organizations which are engaged in consulting services for the preparation related to procurement for an implementation of the project, if the personnel would be involved in any capacity on the same project.

### **Cost of Bid Document / e-Tender processing Fee**

- a. The tenderer shall bear all costs associated with the preparation and submission of its e-Bid and Noida Metro Rail Corporation Ltd. ("NMRC" or "the Corporation"), will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the e-Bid process.
- b. This tender document is available on the web site <http://etender.up.nic.in> or on NMRC website ([www.nmrcnoida.com](http://www.nmrcnoida.com)) to enable the tenderers to view, download the e-Bid document and submit e-Bids online up to the last date and time mentioned in e-Tender notice/e-tender document against this e-Tender. 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**. The scanned copy of RTGS/NEFT receipt with transaction Id certified by the same bank must be enclosed along with the e-Bid. This cost of bid document/ e-Tender processing fee as mentioned in **Data Sheet** will be non-refundable. Tender without cost of bid document/ e-Tender processing fee in the prescribed form, will not be accepted.
- c. Conditional Bid shall be rejected outright & shall not be considered.

#### **Acknowledgement by Bidder**

It shall be deemed that by submitting the e-Bid, the Bidder has:

- a. Made a complete and careful examination of the e-Bid;
- b. Received all relevant information requested from NMRC;
- c. Acknowledged and accepted the risk of inadequacy, error or mistake in the information provided in the e-Bid or furnished by or on behalf of NMRC;
- d. Satisfied itself about all matters, things and information, necessary and required for submitting an informed Application and performance of all of its obligations there under;
- e. Acknowledged that it does not have a Conflict of Interest; and
- f. Agreed to be bound by the undertaking provided by it under and in terms hereof.

#### **Availability of Bid Document**

This Bid document is available on the web site <http://etender.up.nic.in> or on Noida Metro website [www.nmrcnoida.com](http://www.nmrcnoida.com) to enable the Bidders to view, download the e-Bid document and submit e-Bids online up to the last date and time mentioned in e-Bidder notice/ e-Bid document. The Bidder's shall have to pay e-Bid document fee and EMD as mentioned in Data sheet through RTGS/ NEFT on addresses given in data sheet. The scanned copy of RTGS/ NEFT with transaction ID certified by the same bank must be enclosed along with the e-Bid. This e-Bid document fee will be non-refundable. Bid without Bid fee in the prescribe form will not be accepted.

#### **Clarifications of e-Bid**

- a. During evaluation of e-Bid, NMRC may, at its discretion, ask the Bidder for a clarification of his/her e-Bid. The request for clarification shall be in writing.
- b. Any queries or request for additional information concerning this RFP shall be submitted in writing or by fax and e-mail to the **DGM Electrical**, NMRC **only before or during Pre-Bid Meeting** held at NMRC. The envelopes / communication shall clearly bear the following identification / title: "**Queries/ Request for Additional Information: RFP for Execution of Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC**". The responses will be posted

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to all such queries on the official Website [www.nmrcnoida.com](http://www.nmrcnoida.com). NMRC reserves the right not to respond to any questions or provide any clarifications, in its sole discretion, and nothing in this Clause shall be taken or read as compelling or requiring NMRC to respond to any question or to provide any clarification.

- c. A pre- submission meeting shall be called on the date mentioned in **Data Sheet** at NMRC Office. Any change corresponding to date, if any, shall be communicated to the Bidder vide NMRC/ e- Tendering website.
- d. In case the Bidder seeks for any queries, he shall send letter or e-mail to the correspondence address given in Data Sheet.
- e. However, NMRC shall not entertain any correspondence from the Bidders during the period of e- Bid opening to selection of the successful Bidder. Any wrong practice shall be dealt under Fraud and Corrupt Practices.
- f. The Tenderer is advised to visit and examine the Site of Works and its surroundings and obtain for himself on his own responsibility all information that may be necessary for preparing the Tender and entering into a contract for the proposed work. The costs of visiting the Site shall be borne by the Tenderer. It shall be deemed that the Contractor has undertaken a visit to the Site of Works and is aware of the site conditions prior to the submission of the tender documents.
- g. The Tenderer and any of his personnel will be granted permission by the Employer to enter upon his premises and lands for the purpose of such inspection, but only upon the express condition that the Tenderer, and his personnel, will release and indemnify the Employer and his personnel from and against all liability in respect thereof and will be responsible for death or personal injury, loss of or damage to property and any other loss, damage, costs and expenses incurred as a result of the inspection.

### **Amendment of e-Bid Document**

- a. At any time prior to the deadline for submission of e-Bid, NMRC may, for any reason, whether at its own in interactive or in response to a clarification requested by a prospective Bidder, modify the e-Bid document by amendments. Such amendments shall be uploaded on the e- procurement website <http://etender.up.nic.in> or NMRC's website [www.nmrcnoida.com](http://www.nmrcnoida.com). The relevant clauses of the e-Bid document shall be treated as amended accordingly.
- b. It shall be the sole responsibility of the prospective Bidder to check the web site <http://etender.up.nic.in> or NMRC's website [www.nmrcnoida.com](http://www.nmrcnoida.com) from time to time for any amendment in the e-Bid documents. In case of failure to get the amendments, if any, NMRC shall not be responsible for it.
- c. In order to allow prospective e-Bids a reasonable time to take the amendment into account in preparing their e-Bids, NMRC, at the discretion, may extend the deadline for the submission of e-Bids. Such extensions shall be uploaded on the e-procurement website <http://etender.up.nic.in> or NMRC's website [www.nmrcnoida.com](http://www.nmrcnoida.com).

### **Preparation and submission of Bids**

#### **Language of e-Bid**

The e-Bid prepared by the Bidder, as well as all correspondence and documents relating to the e-Bid exchanged by the Bidder and NMRC shall be written in English language. Only English numerals shall be used in the e-Bid. The correspondence and documents in any other language must be accompanied by transcripts verified by the Embassy of Home Country or equivalent.

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### **Documents constituting the e-Bid**

**The e-Bid prepared by the Bidder shall comprise the following components:**

#### **Technical e-Bid- Technical e-Bid will comprise of -**

- a. **Fee details** - Details of Bid processing fee and prescribed EMD
- b. **Eligibility details**- Includes copies of required documents in PDF format justifying that the Bidder is qualified to perform the contract if his/her bid is accepted and the Bidder has financial & technical capability necessary to perform the contract and meets the criteria outlined in the Qualification requirement and technical specification and fulfill all the conditions of the contract.
- c. **Technical evaluation** - Details of all documents needed for Technical evaluation as mentioned in this RFP.

#### **Financial e-Bid -**

- a. **Price bid** –Bill of Quantities in XLS format to be filled in after downloading from the e-Procurement website for this e-tender. There shall be a single quote.

#### **Documents establishing Bidder's Qualification**

- b. The Bidder shall furnish, as part of its technical e-Bid, documents establishing the Bidder's qualification to perform the contract if its e-Bid is accepted. The documentary evidence should be submitted by the Bidder electronically in the PDF format.
- c. The documentary evidence of Bidder's qualification to perform the contract if its e-Bid is accepted shall be as per qualification requirements specified in e-Bid document.

#### **E-Bid form -**

The Bidder shall complete the e-Bid form and the appropriate price schedule/BOQ furnished in the e-Bid document.

#### **E-Bid Currency -**

Prices shall be quoted in Indian Rupees only.

#### **Formats and Signing of e-Bid -**

- d. The Bidder shall prepare one electronic copy of the technical e-Bid and financial e-Bid separately.
- e. The e-Bid document shall be digitally signed, at the time of uploading, by the Bidder or a person or persons duly authorized to bind the Bidder to the contract. The later authorization shall be indicated by a scanned copy of written power-of attorney accompanying the e-Bid. All the pages/documents of the e-Bid that are to be uploaded shall be digitally signed by the person authorized to sign the e-Bid.
- f. Bidders should provide all the information as per the RFP and in the specified formats. NMRC reserves the rights to reject any proposal that is not in the specified formats.
- g. In case the Bidders intends to provide additional information for which specified space in the given format is not sufficient, it can be furnished in duly stamped and signed PDFs.

#### **Deadline for submission of e-Bid -**

E-Bid (Technical and financial) must be submitted by the Bidder at e-procurement website <http://etender.up.nic.in> not later than the time specified on the prescribed date (as the server time displayed in the e-procurement website). NMRC may, at its discretion, extend this deadline for submission of e-Bid by amending the e-Bid document, in which case all

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rights and obligations of NMRC and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

### **Submission of e-Bid -**

- h. The bid submission module of e-procurement website <http://etender.up.nic.in> enables the Bidders to submit the e-Bid online in response to this e-Bid published by NMRC.
- i. Bid submission can be done only from the bid submission start date and time till the bid submission end date and time given in the e-Bid. Bidders should start the bid submission process well in advance so that they can submit their e-Bid in time.
- j. The Bidder should submit their e-Bid considering the server time displayed in the e-procurement website. This server time is the time by which the e-Bid submission activity will be allowed till the permissible time on the last/end date of submission indicated in the e-Bid schedule.
- k. Once the e-Bid submission date and time is over, the Bidders cannot submit their e-Bid. For delay in submission of e-Bid due to any reasons, the Bidders shall only be held responsible.

### **The Bidders have to follow the following instructions for submission of their e-Bid:**

- a. For participating in e-Bid through the e-Bidding system it is necessary for the Bidders to be the registered users of the e-procurement website <http://etender.up.nic.in>. The Bidders must obtain a user login Id and password by registering themselves with U.P. Electronics Corporation Ltd., Lucknow, if they have not done so previously for registration.
- b. In addition to the normal registration, the Bidder has to register with his/her digital signature certificate (DSC) in the e-Bidding system and subsequently he/she will be allowed to carry out his/her e-Bid submission activities. Registering the digital signature certificate (DSC) is a one- time activity. Before proceeding to register his/her DSC, the Bidder should first log on to the e- Bidding system using the user login option on the home page with the login Id and password with which he/she has registered.

For successful registration of DSC on e-procurement website <http://etender.up.nic.in> the Bidder must ensure that he/she should possess class-2/class-3 DSC issued by any certifying authorities approved by controller of certifying authorities, Government of India, as the e-procurement website <http://etender.up.nic.in> is presently accepting DSC issued by these authorities only. The Bidder can obtain user login Id and perform DSC registration exercise given above even before the e-Bid submission date starts. NMRC shall not be held responsible if the Bidder tries to submit his/her e-Bid at the moment before end date of submission but could not submit due to DSC registration problem.

- c. The Bidder can search for active Bids through "search active tenders" link, select a Bid in which he/she is interested in and then move it to 'My Tenders' folder using the options available in the e-Bid submission menu. After selecting and the Bid, for which the Bidder intends to e-Bid, from "My tenders" folder, the Bidder can place his/her e-Bid by clicking "pay offline" option available at the end of the view Bid details form. Before this, the Bidder should download the e-Bid document and price schedule/bill of quantity (BOQ) and study them carefully. The Bidder should keep all the documents ready as per the requirements of e-Bid document in the PDF format except the price schedule /bill of quantity (BOQ) which should be in the XLS format (excel sheet).
- d. After clicking the 'pay offline' option, the Bidder will be redirected to terms and conditions page. The Bidder should read the terms & conditions before proceeding to fill in the Bid fee and EMD offline payment details. After entering and saving the Bid fee and EMD

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details form so that "bid document preparation and submission" window appears to upload the documents as per technical (fee details, qualification details, e-Bid form and technical specification details) and financial (e-Bid form and price schedule/BOQ) schedules/packets given in the Bid details. The details of the RTGS/NEFT should tally with the details available in the scanned copy and the date entered during e-Bid submission time otherwise the e-Bid submitted will not be accepted.

- e. Next the Bidder should upload the technical e-Bid documents for fee details (e-Bid fee and EMD), Qualification details. Before uploading, the Bidder has to select the relevant digital signature certificate. He may be prompted to enter the digital signature certificate password, if necessary. For uploading, the Bidder should click "browse" button against each document label in technical and financial schedules/packets and then upload the relevant PDF/XLS files already prepared and stored in the Bidder's computer. The required documents for each document label of technical ( fee details, qualification details, e-Bid form and technical specification details) and financial ( e-Bid form and price schedule/BOQ) schedules/packets can be clubbed together to make single different files for each label.
- f. The Bidder should click "Encrypt" next for successfully encrypting and uploading of required documents. during the above process, the e-Bid document are digitally signed using the DSC of the Bidder and then the documents are encrypted/locked electronically with the DSC's of the bid openers to ensure that the e-Bid documents are protected, stored and opened by concerned bid openers only.
- g. After successful submission of e-Bid document, a page giving the summary of e-Bid submission will be displayed confirming end of e-Bid submission process. The Bidder can take a printout of the bid summary using the "print" option available in the window as an acknowledgement for future reference.
- h. NMRC reserves the right to cancel any or all e-Bids without assigning any reason.

### **Late e-Bid**

- l. Bids received by NMRC after the specified time on the Bid Due Date shall not be eligible for consideration and shall be summarily rejected.
- m. The server time indicated in the bid management window on the e- procurement website <http://etender.up.nic.in> will be the time by which the e-Bid submission activity will be allowed till the permissible date and time scheduled in the e-Bid.
- n. Once the e-Bid submission date and time is over, the Bidder cannot submit his/her e-Bid. Bidder has to start the bid submission well in advance so that the submission process passes off smoothly. The Bidder will only be held responsible if his/her e-Bid is not submitted in time due to any of his/her problems/faults, for whatsoever reason, during e-Bid submission process.

### **Withdrawal and resubmission of e-Bid**

- o. At any point of time, a Bidder can withdraw his/her e-Bid submitted online before the bid submission end date and time. For withdrawing the Bidder should first log in using his/her login id and password and subsequently by his/her digital signature certificate on the e-procurement website <http://etender.up.nic.in>. The Bidder should then select "My bids" option in the bid submission menu. The page listing all the bids submitted by the Bidder will be displayed. Click "View" to see the details of the bid to be withdrawn. After selecting the "bid withdrawal" option the Bidder has to click "Yes" to the message "Do you want to withdraw this bid?" displayed in the bid information window for the selected bid. The Bidder also has to enter the bid withdrawing reasons and upload the letter giving the reasons for withdrawing

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- before clicking the "Submit" button. The Bidder has to confirm again by pressing "OK" button before finally withdrawing his/her selected e-Bid.
- p. No e-Bid may be withdrawn in the interval between the deadline for submission of e-Bids and the expiration of period of e- bid validity. Withdrawal of an e-Bid during this interval may result in the forfeiting of Bidder's e-Bid security.
  - q. The Bidder can re-submit his/her e-Bid as when required till the e-Bid submission end date and time. The e-Bid submitted earlier will be replaced by the new one. The payment made by the Bidder earlier will be used for revised e-Bid and the new e-Bid submission summary generated after the successful submission of the revised e-Bid will considered for evaluation purposes. For resubmission, the Bidder should first log in using his/her login Id and password and subsequently by his/her digital signature certificate on the e-procurement website <http://etender.up.nic.in>. The Bidder should then select "My bids" option in the bid submission menu. The page listing all the bids submitted by the Bidder will be displayed. Click "View" to see the detail of the e-Bid to be resubmitted. After selecting the "bid resubmission" option, click "Encrypt & upload" to upload the revised e-Bids documents.
  - r. The Bidder can submit their revised e-Bids as many times as possible by uploading their e-Bid documents within the scheduled date & time for submission of e-Bids.
  - s. No e-Bid can be resubmitted subsequently after the deadline for submission of e-Bids.

### **NMRC's right to accept any e-Bid and to reject any or all e-Bids.**

- t. Notwithstanding anything contained in this e-Bid, NMRC reserves the right to accept or reject any Bid and to annul the Selection Process and reject all Bids, at any time without any liability or any obligation for such acceptance, rejection or annulment, and without assigning any reasons thereof.
- u. NMRC reserves the right to reject any Bid if:
  - At any time, a material misrepresentation is made or uncovered, or
  - The Bidder does not provide, within the time specified by NMRC, the supplemental information sought by NMRC for evaluation of the e-Bid.
- v. Such misrepresentation/ improper response may lead to the disqualification of the Bidder. If such disqualification /rejection occurs after the e-Bid have been opened and the highest ranking Bidder gets disqualified / rejected, then the NMRC reserves the right to consider the next best Bidder, or take any other measure as may be deemed fit in the sole discretion of NMRC, including annulment of the Selection Process.

### **Period of validity of e-Bid**

- w. e- Bid shall remain valid for 180 days after the date of e-Bid opening prescribed by NMRC. An e- Bid valid for a shorter period shall be rejected by NMRC as non-responsive.
- x. In exceptional circumstances, NMRC may solicit the Bidder's consent to an extension of the period of e-Bid validity. The request and the response thereto shall be made in writing.

### **Correspondence with the Bidder**

- y. Save and except as provided in this e-Bid, NMRC shall not entertain any correspondence with any Bidder or its Technical Partners in relation to acceptance or rejection of any e-Bid.

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- z. No Bidders or its Technical Partners shall contact NMRC on any matter relating to his e-Bid from the time of Bid opening to the time contract is awarded.
- aa. Any effort by the Bidder or by its Technical Partners to influence NMRC in the Bid evaluation, Bid comparison or contract award decisions, may result in the rejection of his Bid.

### **Earnest money deposit (EMD)**

- bb. The tenderer shall furnish, as part of its e-Bid, an e-Bid security/ EMD as stated in Data Sheet in form of RTGS/NEFT only in favour **Noida Metro Rail Corporation Limited** in the A/c No. mentioned in **Data Sheet**. The scanned copy of RTGS/NEFT receipt of Security/ EMD with transaction Id certified by the same bank must be enclosed along with the e-Bid. Tender without Earnest Money in the prescribed form, will not be accepted.
- cc. Any e-Bid not secured in accordance with above shall be treated as non-responsive and rejected by NMRC.
- dd. Unsuccessful Bidder's EMD will be returned within 45 days of opening of the Price Bid in case of Conclusion or discharge of the tender through written request.
- ee. No interest will be paid by the Employer on the Earnest Money Deposit.
- ff. The successful Bidder's e-Bid EMD will be adjusted with Performance Bank Guarantee, if applicable, to be submitted by the Bidder upon signing the contract.
- gg. The EMD may be forfeited:-
  - 1. If Bidder (a) withdraws its e-Bid during the period of e-Bid validity specified by the Bidder on the e-bid form: or (b) does not accept the correction of errors or (c) modifies its e-Bid price during the period of e-Bid validity specified by the Bidder on the form.
  - 2. In case of a successful Bidder, if the Bidder fails to sign the contract with the Corporation.

### **Opening and Evaluation of Bids**

#### **Opening of technical e-Bid by NMRC**

- hh. NMRC will open all technical e-Bids, in the presence of Bidder's representatives who choose to attend on the prescribed date of opening at NMRC Office. The Bidder's representatives who are present shall submit the letter to NMRC on the letter head of the company stating that the representative (name) is authorized to attend the meeting (Please note – The representative is required to carry a copy during pre-bid and other related meetings as well). He / She shall sign a register evidencing their attendance at NMRC. In the event of the specified date e-Bid opening being declared a holiday for the Corporation, the e-bids shall be opened at the appointed time and place on the next working day.
- ii. The Bidder who is participating in e-Bid should ensure that the RTGS/NEFT of Bid Processing Fee and EMD must be submitted in the prescribed account of NMRC within the duration (strictly within opening & closing date and time of individual e-Bid) of the work as mentioned in Bid notice, otherwise, in any case, e-Bid shall be rejected.
- jj. The Bidders names and the presence or absence of requisite e-Bid security and such other details as NMRC at its discretion may consider appropriate, will be announced at the opening.

#### **Opening of financial e-Bid**

- kk. After evaluation of technical e-Bid, through the evaluation committee NMRC shall notify those Bidders whose technical e-Bids were considered non-responsive to the conditions of the contract and not meeting the technical specifications and qualification requirements indicating that their financial e-Bids will not be opened.

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- ll. NMRC will simultaneously notify the Bidders, whose technical e-Bids were considered acceptable to the Corporation. The notification may sent by e-mail provided by Bidder.
- mm. The financial e-Bids of technically qualified Bidders shall be opened in the presence of technically qualified bidders who choose to attend. The date and time for opening of financial bids will be communicated to the technically qualified Bidders subsequently after completion of technical bids evaluation through e-mail provided by the Bidder.

### **Correction of Errors**

- nn. Financial Bids determined to be responsive will be checked by NMRC for any arithmetic errors. Where there is a discrepancy between the rate quoted in the Financial Bid, in figures and in words, the amount in words will prevail over the amounts in figures, to the extent of such discrepancy.
- oo. The amount stated in the Financial Bid will be adjusted by NMRC in accordance with the above procedure for the correction of errors and shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected quoted rate of e-Bid, his e-Bid will be rejected, and his Bid Security shall be liable for forfeiture.

### **Examination of e-Bid document**

- qq. The NMRC will examine the e-Bid to determine if:
  - 1. They are complete;
  - 2. They meet all the conditions of the contract;
  - 3. The required e-Bid Processing fee, EMD and other required documents have been furnished;
  - 4. The documents have been properly digitally signed; and
  - 5. The e-Bids are in order.

Any e-Bid or e-Bids not fulfilling these above requirements shall be rejected.

### **Contacting NMRC**

- rr. No Bidder shall contact NMRC on any matter relating to his/her e-Bid, from the time of the e-Bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of NMRC, he/she can do so in writing.
- ss. Any effort by a Bidder to influence NMRC in its decisions on e-Bid evaluation, e- bid comparison or contract award may result in rejection of the Bidder's e-Bid.
- tt. In the event of any information furnished by the Bidder is found false or fabricated, the minimum punishment shall be debarring /blacklisting from Noida Metro works and legal proceeding can also be initiated. EMD of such bidders will be forfeited.

### **Confidentiality**

- uu. Information relating to the examination, clarification, evaluation, and recommendation for the Bidders shall not be disclosed to any person who is not officially concerned with the process or is not a retained professional advisor advising NMRC in relation to or matters arising out of, or concerning the Bidding Process. Any effort by a Bidder to exert undue or unfair influence in the process of examination, clarification, evaluation and comparison of Proposal shall result in outright rejection of the offer, made by the said Bidder.
- x. NMRC shall treat all information, submitted as part of Bid, in confidence and shall require all those who have access to such material to treat the same in confidence. NMRC may not divulge any such information unless it is directed to do so by any statutory entity that has the power under law to require its disclosure or is to enforce or assert any right or privilege of the statutory entity and/ or NMRC or as may be required by law or in connection with any legal process.

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### **Award of Contract**

- **Award Criteria**

1. NMRC will award the contract as per evaluation criteria stated in the RFP Document.
2. NMRC will award the contract to the successful Bidder whose bid has been determined to be responsive to all the conditions of the contract and meeting the eligibility requirement of the bidding document.

- **Notice of Award (NOA)**

1. Prior to the expiration of the period of e-Bid validity, NMRC will notify the successful Bidder in writing, by letter/e-mail/fax, that its e-Bid has been accepted.
2. The acceptance of NOA will constitute the formation of the contract.

- **Signing of contract**

At the same time as NMRC notifies the successful Bidder that its e-Bid has been accepted, the successful Bidder shall have to sign the contract agreement with relevant document as mentioned in the RFP. The agreement draft along with other related terms and conditions will be same as furnished in this e-Bid. Any refusal will not be allowed. The Bidder need not download and submit in hard copies of these documents.

- **NMRC's right to accept any e-Bid and to reject any or all e-Bids**

NMRC reserves the right to accept or reject any e-Bid, and to annul the e-Bid process and reject all e- Bids at any time prior to contract award, without thereby incurring any liability to the affected tenderer or tenderers.

### **Tenure**

The Corporation intends to appoint a Contractor to NMRC for a period of **1 (One) Year**.

## 4. Section 4: Qualification, Evaluation and Selection Process

### 4.1. Eligibility Criteria

The Bidder's competence and capability is proposed to be established by the following parameters. The Bidder should meet all the criteria given in this section.

- a. The Bidder should be Sole proprietorship/ partnership firm (including LLP)/ public limited company/ private limited company.
- b. The Bidder should have completed in India during last **7 (Seven) years** period ending last day of month previous to the one in which the bids are invited should be either of the following:
  1. One order of similar nature of value not less than **Rs. 52.68 Lakh** (Rupees Fifty Two Lakh Sixty Eight Thousand only) or
  2. Two orders of similar nature of value not less than **Rs. 32.93 Lakh** (Rupees Thirty Two Lakh Ninety Three Thousand only) each or
  3. Three orders of similar nature of value not less than **Rs. 26.34 Lakh** (Rupees Twenty Six Lakh Thirty Four Thousand only) each.

**Similar work** for this contract shall be " Supply installation testing and commissioning of LT Panels in Auxiliary Sub-station" in NMRC/ any other Metro Organization/ Central govt./ State govt./PSU's/ Private sector companies.

- c. The Bidder should have minimum average annual turnover of **Rs. 65.85 Lakh** (Rupees Sixty Five Lakh Eighty Five Thousand only) in the last 3 (three) Financial Years (2022-23, 2023-24, 2024-25) preceding the Bid Due Date.
  - d. The bidder should not be black listed /debarred/declared ineligible for corrupt and fraudulent practices by any government/ government undertaking/Semi government/ government-controlled institutions in India and should not have any disciplinary proceedings pending against the bidder in last five financial years.
  - e. The Bidder should be registered with the Goods and Services Tax Authority.
  - f. The Profit of bidder before tax during any of the financial year should be positive during immediately preceding 3 financial years.
  - g. Bidder should be OEM of LT Panels or OEM authorized representative
- NMRC, if required, may seek clarification from bidders during the technical evaluation.

**The Bidder shall also furnish the following:**

- a. For above criteria 4.1a
  - i. Statutory proof of existence as the legal entity
  - ii. PAN certificate as per legal entity
  - iii. Valid Electrical Contractor License
  - iv. GST Registration Certificate as per legal entity
- b. For above criteria 4.1b
  - i. A statement as in Form 4: Work experience with Work Order/ Signed Contracts/ Completion Certificates, clearly indicating the value and nature of experiences
- c. For above criteria 4.1c,f
  - i. Form 5: Financial Capability Details
  - ii. A copy of the Audited balance sheets and Profit and Loss Statements for the last 3 (three) financial years

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- iii. Self-attested copy of ITR for the last 3 (three) financial years
- d. For above criteria 4.1d
  - Form 7: Undertaking
- e. For above criteria 4.1e
  - Copy of GST registration

### **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: Bid capacity will be calculated based on the following formula:

**Available Bid Capacity = 2\*A\*N – B**

Where,

A = Maximum of the value of work executed in any one year during the last three financial years (updated to the last day of the previous month of tender submission 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 the last day of the previous month of tender submission) for on-going works during period of 12 months w.e.f. from the first day of the month of tender submission.

### **Notes:**

- Financial data for latest last three financial years has to be uploaded by the tenderer in Form-5 of Tender 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 works during period of 12 months w.e.f. from the first day of the month of tender submission has to be uploaded by the tenderer in Form-4 of Tender. These data shall be certified by the Chartered Accountant with his stamp and signature in original.
- The tender submission of tenderers, who do not qualify the minimum eligibility criteria stipulated in the clauses above, shall not be considered for further evaluation and therefore rejected. The mere fact that the tenderer is qualified as mentioned in above 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 RFP.

### **4.2. Qualification of Service Engineer**

The Service engineer deployed by the contractor should be minimum diploma holder in Engineering with at least 5 year experience in overhauling/maintenance/Testing of ACB/LT Panel & should be well versed with the functioning & fault finding of LT switchgears so that there will be minimum downtime after arriving of contractor's service engineer. The prolonging of time period in detecting the fault and subsequent rectification on part of inept Service Engineer will not be tolerated & a penalty deemed suitable by NMRC will be levied on the firm for the unnecessary working days loss.

### **UNDERTAKING:**

1. We confirm to deploy competent service engineer.
2. The repair / breakdown work will be attended in consonant with OEM's design, circuit and specification.

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### **4.3. Deputation of Service Engineer**

Contractor need to be provided his service engineer on such day as informed by Dy. HOD of Electrical department or his representative in advance. The payment for these visits of service engineer shall also be payable at accepted rates as mentioned in schedule of rates and quantities of the contract. The service charges of service engineer shall include lodging/ boarding and any other incidental charges.

### **4.4. Compliance with Technical Specifications**

The Bidders must comply with the stipulated technical specifications as mentioned in the tender documents

### **4.5. Information of the Technical and Financial Proposal**

- a. The Bidder satisfying technical and financial eligibility criteria under Clause 4.1 shall be considered as technically and financially qualified.
- b. The financial proposal of only technically qualified Bidders shall be opened for evaluation.
- c. The Bidder with the lowest quoted amount for Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC, in the financial quote (L1 bidder) shall be selected for the award of contract.

### **4.6. Selection of Bidder**

After the above evaluation process, the Technically Qualified Bidder, who is declared as L1 (lowest quoted price) may be declared as the selected Bidder ("Selected Bidder") for the Project.

- a. In case, two or more technically qualified bidders quote the same rate in the Commercial Bid, and become Lowest (i.e. L1), then the tender would be awarded to the bidder who has the highest / higher Average Annual Turnover from 'Similar Works' (as per Minimum Eligibility Criteria defined in Section 4 under "Definition of Similar Work") during the last 3 years ending on the last day of the month preceding the month in which the tender has been floated.
- b. Prior to the expiry of the period of bid validity, NMRC will notify the successful bidder in writing, either through Notice of Award (NOA), that his bid has been accepted.
- c. The NOA would be sent in duplicate to the successful bidder, who will return one copy to NMRC duly acknowledged, signed and stamped on each page by the authorized signatory of the bidder, as an unconditional acceptance of the NOA, within 10 (ten) days from the date of issue of NOA.
- d. No correspondence will be entertained by NMRC from the unsuccessful bidders.

### **4.7. Notice of Award and Execution of Contract Agreement**

- a. NMRC will notify the Successful Bidder by a NOA that its bid has been accepted.
- b. The Selected Bidder shall, within 10 (ten) days of the receipt of the NOA, sign and return the duplicate copy of the NOA in acknowledgement thereof along with letter of acceptance of NOA. In the event, the duplicate copy of the NOA duly signed by the Selected Bidder and letter of acceptance of NOA is not received by the stipulated date, NMRC may, unless it consents to extension of time for submission thereof, appropriate the Bid Security of such Bidder as mutually agreed genuine pre-estimated loss and damage suffered by NMRC on account of failure of the Selected Bidder to acknowledge the NOA
- c. The Successful Bidder shall execute the Contract Agreement within 30 (thirty) days of the letter of acceptance of NOA or such extended period as may be decided by the Corporation.
- d. Failure of the Successful Bidder to comply with the requirement of acknowledgement of NOA shall constitute sufficient grounds for the annulment of the NOA, and forfeiture of the bid security.

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- e. **NMRC reserves the right to increase or decrease the quantity up to 25% of the quantity offered by the successful tenderer. The bidder is bound to accept the increase or decrease in the tendered quantity up to 25% under this clause without any change in unit price.**

In case the variation in individual items or the group of items as stipulated above, is more than 25% on plus side, the rate for the varied quantity beyond 25% shall be negotiated between the NMRC and the Contractor and mutually agreed rates arrived at before actual execution of the extra quantity. In case the contractor executes the extra quantity without written approval of the NMRC with specific instructions to execute pending the finalization of rates, the payment shall be made at contract rate only. In the event of disagreement, the Engineer shall fix such rates of price as are, in his opinion appropriate and shall notify the Contractor accordingly, with a copy to the Employer. Until such time as rates or prices are agreed or fixed, the Engineer shall determine provisional rates or prices to enable on account payments to the Contractor. Alternatively, in the event of disagreement, the Contractor shall have no claim to execute extra quantities/new items and the Engineer shall be free to get such additional quantities beyond 25% new items executed through any other agency. However, if the Engineer or the Employer so directs the Contractor shall be bound to carry out any such additional quantities beyond the limits stated above original quantities and or new items and the disagreement or the difference regarding rates to be paid for the same shall be settled in the manner laid down under the conditions for the settlement of dispute.

### 4.8. Performance Bank Guarantee / Security Deposit

- a. To fulfill the requirement of performance bank guarantee during the implementation period, the Successful Bidder (herein referred to as the "Contractor") shall deposit **10 % of the Contract Price** in form of DD or unconditional and irrevocable Bank Guarantee bond issued by a scheduled bank in favor of NMRC, which may be reduced for balance years on completion of each year, within 30 days from Notice of Award. Non submission shall attract penalties as per GCC Clause 4.2.1. EMD amount of successful bidder shall be adjusted in the performance bank guarantee, if applicable. For unsuccessful bidder, EMD shall be refunded without any interest. The Performance Guarantee should be valid for a period of 06 (six) months beyond the completion of warrantee period.
- b. In case of joint venture/consortium, the Performance Security is to be submitted in the name of the JV / Consortium. However, splitting of the performance security (while ensuring the security is in the name of JV / Consortium) and its submission by different members of the JV / Consortium for an amount proportionate to their scope of work is also acceptable.
- c. It is to note that if contract value increases by more than 25% of the original contract value, the performance bank guarantee shall be increased accordingly.
- d. A Contract agreement will have to be signed by the Contractor at his cost on proper stamp paper. Without performance guarantee by Contractor, Contract agreement shall not be signed.
- e. NMRC reserves the right for deduction of NMRC dues from Contractor's Performance Bank Guarantee/ Security Deposit (interest free) for – Any penalty imposed by NMRC for violation of any terms and conditions of agreement committed by the Contractor.
- f. Any amount which NMRC becomes liable to the Government/Third party due to any default of the Contractor or any of his director/ employees/ representatives/ servant/ agent, etc. shall be borne by the contractor.
- g. Any payment/ fine made under the order/judgment of any court/consumer forum or law enforcing Contractor or any person duly empowered in his behalf.
- h. Any outstanding payment/ claims of NMRC remained due after completion of relevant actions as per agreement.
- i. Once the amount under above Clause is debited, the Contractor shall replenish the Security Deposit/ Performance Bank Guarantee to the extent the amount is debited within 15 days period, failing

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which, it shall be treated as Contractor Event of Default and will entitle NMRC to deal with the matter as per the provisions of RFP and Contract Agreement.

### 4.9. Contract during Proposal Evaluation

- a. Proposals shall be deemed to be under consideration immediately after they are opened and until such time NMRC makes official intimation of award/ rejection to the Bidders. While the Proposals are under consideration, Bidders and/ or their representatives or other interested parties are advised to refrain from contacting by any means, NMRC and/ or their employees/ representatives on matters related to the Proposals under consideration till the time Contract is awarded.
- b. Any effort by a Bidder to influence NMRC in its decisions on Bid evaluation, Bid comparison or contract award may result in rejection of the Bidder's Bid.
- c. In the event of any information furnished by the Contractor is found false or fabricated the minimum punishment shall be debarred/ blacklisting and the legal proceeding may also be initiated.
- d. If the Bidder wishes to bring additional information to the notice of NMRC, he/she can do so in writing. All correspondence/ enquiry should be submitted to the following in writing by fax/ post/courier:

#### **DGM/Electrical**

Noida Metro Rail Corporation (NMRC) Limited  
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29,  
Noida -201301  
District Gautam Budh Nagar, Uttar Pradesh  
Email: [dgm\\_elec@nmrcnoida.com](mailto:dgm_elec@nmrcnoida.com)  
[nmrcpsi@gmail.com](mailto:nmrcpsi@gmail.com)

- e. No interpretation, revision, or other communication from NMRC regarding this solicitation is valid unless in writing and signed by the competent authority from NMRC.

### 4.10. Other Instruction

- a. Canvassing in connection with the tenders is strictly prohibited and the tenders, submitted by Bidder, who resort to canvassing, are liable to be rejected. EMD will be forfeited of those tenders who will be found non serious and if it is felt by the tender committee that the Bidders submitted their tender only to influence the tendering process.
- b. On acceptance of the tender, the name of the accredited representative of the Contractor, who would be responsible for taking instructions from the NMRC or the official deputed by NMRC, shall be communicated to the NMRC or the official deputed by NMRC in writing.

### 4.11. Project Financial Terms

#### 6.3 Payment Terms

- a. The payment for items given in Bill of Quantity/Pricing Document shall be made on the basis of actually executed quantities however stages of payment shall be as per SCC clause 22.
- b. The payment will be made only for the work actually carried out as per the schedule of work (Bill of Quantity) completed & handed over to the user.
- c. Income Tax is deductible at source while effecting payment of bills at the prescribed percentage as per the orders of the government.
- d. GST, if claimed, will be reimbursed only if the GST registration number is mentioned in the invoice and GST is duly paid by the contractor and it is reflected on the GST Portal. In the absence of GST registration number and GST payment by contractor, GST will not be reimbursed.
- e. Quote PAN and GST on all correspondence, Bills, Vouchers and other documents otherwise

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TDS at higher of the prescribed rate will be deducted.

- f. All payments to the contractors will be made by e-Payment /Account Payee Cheques. Quarterly payment shall be made on receipt of the bill complete & correct in all respect along with the supporting documents subject to deduction of statutory charges/taxes/duties/levies etc.
- g. Bills, correct in all respect, shall be submitted to Engineer-In-Charge, in duplicate along with supporting documents, who will arrange payment through Departments, NMRC
- h. No advance of any type shall be paid.
- i. TDS on quarterly invoice of tenderer is deducted while processing quarterly bills as per Govt. Guidelines.

## 5. Section 5: Special Conditions of Contract (SCC)

SCC Clause	Reference to GCC Sub-Clause No.	Description
1	<b>Sub-Clause 3.2</b>	<p><b>Functions of Engineer</b></p> <p>In addition to the duties mentioned in Clause 3.2 of General Conditions of Contract:</p> <p>(i) Shall watch and inspect the Works, monitor and examine any material to be used and workmanship employed by the Contractor in connection with the Works;</p> <p>(ii) Shall carry out such duties and exercise such powers vested in the Engineer in accordance with the provisions of the Contract;</p> <p>(iii) Shall issue instructions which in his opinion are necessary for the execution of the Works; and</p> <p>(iv) May issue any other instruction which in his opinion is desirable in connection with the Works.</p> <p>In case The Engineer is employee of any agency hired by the Employer, the Engineer shall take the approval of the Employer for all technical and financial matters otherwise he shall be deemed to have taken the approval of the Employer.</p>
2	<b>Sub Clause 4.2.1</b>	<p><b>Performance Security</b></p> <p>The amount of Performance Security for this contract will be 10% of contract value. If the contract value increases by more than 25% of the original contract value, the Performance Security will be increased accordingly for complete revised value on every increase. Performance security should be submitted within 30 days from date of issue of LOA. Non compliance will attract penalty as per GCC Clause 4.2.1.</p>
3	<b>Sub-Clause 4.4</b>	<p><b>Coordination with other Contractors</b></p> <p>The contractor for this package shall plan and execute work in coordination and in co-operation with other contractors working for adjacent/other packages</p>
4	<b>Sub-clause 4.5</b>	<p><b>Sub-contractors</b></p> <p>The work should not be sublet without the written approval of Engineer in-charge.</p>
5	<b>Sub-Clause 4.10</b>	<p><b>Sufficiency of Tender</b></p> <p>The Tenderer shall be entirely responsible for sufficiency of rates quoted by him in his tender.</p> <p>The Contractor (Successful Tenderer) shall be paid for only at quoted/accepted rates for the items of works executed as per BOQ.</p>
6	<b>Sub-Clause 4.11</b>	<p><b>Access Route</b></p> <p>All operations for the execution of the Works shall be carried out so as not to interfere unnecessarily with the convenience of the public or the access to public or private roads or footpaths or properties owned by the Employer or by any other person.</p> <p>The Contractor shall select routes, choose and use vehicles so that movement of Contractor's Equipment, Plant and Materials from and to the Site is limited so that traffic is not delayed and damage to highways and bridges is prevented. If there is any delay or damage or injury, the cost of rectification or reconstruction of highways or bridges shall be borne by the Contractor. The Contractor shall indemnify the Employer in respect of all claims, demands, proceedings, damages, costs, charges and expenses whatsoever arising out of or in relation to any such matters</p>
7	<b>Sub-</b>	<b>Manufacture, Installation and Construction Methods</b>

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SCC Clause	Reference to GCC Sub-Clause No.	Description
	<p><b>Clauses 5.3</b></p>	<p>The Contractor shall submit complete documents and information pertaining to the methods of manufacture, installation and construction which the Contractor proposes to adopt or use, (and if applicable such calculations of stresses, strains and deflections and the like that will or may arise in the Works or to the other works comprising the Project or any parts thereof during installation from the use of such methods). The Engineer will then check to see whether, if such methods are adhered to, the Works can be executed in accordance with the Contract and without detriment to the Works (when completed) and to other works comprising the Project and in a manner which minimizes disruption to road and pedestrian traffic.</p> <p>The Engineer shall inform the Contractor in writing within 21 days after receipt of the above information;</p> <p>(a) that the Contractor's proposed methods of manufacture, installation and construction have the consent of the Engineer; or</p> <p>(b) in what respects, in the opinion of the Engineer the Contractor's proposed methods of manufacture, installation and construction:</p> <p>(i) fail to comply with the Employer's Requirements and/or the Definitive Design and/or the Final Design;</p> <p>(ii) would be detrimental to the Works and/or to the other works comprising the Project;</p> <p>(iii) do not comply with the other requirements of the Contract;</p> <p>(c) as to the further documents or information which are required to enable the Engineer to properly assess the proposed methods of manufacture, installation and construction.</p> <p>In the event that the Engineer does not give his consent, the Contractor shall take such steps or make such changes in the said methods or supply such further documents or information as may be necessary to meet the Engineer's requirements and to obtain his consent. The Contractor shall not change the methods of manufacture, installation and construction which have received the Engineer's consent without further review and consent in writing of the Engineer.</p> <p>Notwithstanding the foregoing provisions of this Clause, or that certain of the Contractor's proposed methods of manufacture, installation and construction may be the subject of the consent of the Engineer, the Contractor shall not be relieved of any liability or obligation under the Contract.</p>
8	<p><b>Sub-Clauses 4.16 and 6.7</b></p>	<p><b>Safety Precautions</b></p> <p>The Contractor is required to make himself aware of all the requirements of the Employer's Safety, Health and Environmental Manual in this regard and comply with them. The Site Safety Plan shall include detailed policies, procedures and regulations which, when implemented, will ensure compliance with Sub-Clauses 4.16 and 6.7 of General Conditions of Contract.</p> <p>The Contractor shall, from time to time and as necessary or required by the Engineer, produce supplements to the Site Safety Plan such that it is at all times a detailed, comprehensive and contemporaneous statement by the Contractor of his site safety and industrial health obligations, responsibilities, policies and procedures (under the laws of India) or as stated in the Contract or elsewhere relating to work on Site If at any time the Site Safety Plan is, in the</p>

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SCC Clause	Reference to GCC Sub-Clause No.	Description
		<p>opinion of the Engineer, insufficient or requires revision or modification to ensure the security of the Works and the safety of all workmen upon, and visitors to the Site, the Engineer may instruct the Contractor to revise the Site Safety Plan. The Contractor shall, within 14 days, submit the revised plan to the Engineer for review.</p> <p><b><u>The contractor shall provide necessary barriers warning signals and other safety measures to avoid accidents.</u></b></p> <p>He shall also indemnify department against claims for compensation arising out of negligence in this respect. Nothing in these specifications shall be construed to relieve the contractor of his responsibility for the design, manufacture and installation of the equipment with all accessories in accordance with applicable statutory regulations and safety codes in force from the safety angle.</p>
9	<b>Sub-Clause 4.17</b>	<p><b>Protection of the Environment</b></p> <p>The Contractor shall maintain ecological balance by preventing deforestation, water pollution and defacing of natural landscape. The Contractor shall, so conduct his cleaning operations, as to prevent any avoidable destruction, scarring or defacing of natural surroundings in the vicinity of work. In respect of ecological balance, the Contractor shall observe the following instructions</p> <p>(a) Where destruction, scarring, damage or defacing may occur as a result of operations relating to construction and maintenance activities, the same shall be repaired, replanted or otherwise corrected at Contractor's expense. All work areas shall be smoothed and graded in a manner to confirm to natural appearance of the landscape as directed by the Engineer.</p> <p>(b) All trees and shrubbery, which are not specifically required to be cleared or removed for cleaning purposes, shall be preserved and shall be protected from any damage that may be caused by Contractor's cleaning operations and equipment. The removal of trees or shrubs will be permitted only after prior approval by the Engineer. Trees shall not be used for anchorage. The Contractor shall be responsible for injuries to trees and shrubs caused by his operations. The term "injury" shall include, without limitation, bruising, scarring, tearing and breaking of roots, trunks or branches. All injured trees and shrubs shall be restored as nearly as practicable, without delay, to their original condition at Contractor's expenses.</p> <p>(c) The Contractor shall provide all necessary access, assistance and facilities to enable the Engineer and the Employer to monitor and conduct tests to verify that the Site Environmental Plan is being properly and fully implemented</p>
10	<b>Sub-Clause 4.18</b>	<p><b>Electricity and Water</b></p> <p>Electricity and water shall be arranged by the contractor on his own and at his cost.</p> <p>If available, the Employer may provide Water supply and Electricity on chargeable basis. The contractor shall make his own arrangements to tap the Electricity from the nominated and existing sockets/ points. The contractor shall tap the Electricity as per IE Rules &amp; IE Act (Latest) duly complying all safety precautions and under following conditions:</p> <p>(a) The contractor shall submit full scheme for the requirement of Electricity &amp; water. If scheme mentions Electricity requirement which is beyond the capacity of the Employer, in that case the contractor shall make his own arrangements/ alternative arrangements.</p> <p>(b) The Contractor should make his own arrangements to draw the water from the available water point to the working place without affecting the premises</p>

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SCC Clause	Reference to GCC Sub-Clause No.	Description
11	<b>Sub-Clause 4.19</b>	<p><b>Employer Supplied Machinery and Materials</b> The Employer will not provide any machinery under the Contract.</p>
12	<b>Sub Clause 4.27</b>	<p><b>Security of the Site</b> The Contractor shall take all measures necessary to ensure such security, including exercising control over all persons and vehicles which are employed or engaged on the Site or in connection with the Works or the other works comprising the Project and with the security arrangements applicable to any other site within the Project.</p> <p>The Contractor shall arrange the issue of passes for the admission of all persons and vehicles to the Site or to any part thereof and may refuse admission to or remove from the Site any person or vehicle failing to show an appropriate pass on demand to any duly authorised person.</p> <p>If required by the Engineer, the Contractor shall submit a list identifying all persons to whom passes have been issued together with two photographs of each person and all entities to which a pass has been issued in respect of any vehicle and shall satisfy the Engineer of the bonafides of any such person or entity.</p> <p>The Contractor shall not, without the written permission of the Engineer or otherwise in accordance with the Contract, allow access to the Site to any person unless the presence on Site of such person is necessary in connection with the execution of the Works or with the discharge of the duties of any relevant authority.</p> <p>For the purposes of this Clause only, "Site" shall include off-Site places of manufacture or storage and the Contractor's Work Areas and shall include, areas provided to the Contractor by others.</p>
13	<b>Sub-Clause 5.3</b>	<p><b>Submission of Documents</b> The Contractor shall submit the drawings and documents, test certificates, warranty certificates, calibration certificates of supplied items wherever required or as required by the Engineer in charge (&amp; No Objection Certificate from UP Electrical safety department).</p> <p>This submittal shall be made sufficiently before the Works are to be carried out to give the Engineer and the Employer reasonable time to examine the drawings or other documents, to prepare comments and for any changes to be accommodated by the Contractor.</p> <p>Where the consent of the Engineer is required, the Engineer shall notify the Contractor in writing of his decision either within such period as may expressly be stipulated in the Contract or otherwise within a reasonable time.</p>
14	<b>Sub-Clause 6.0</b>	<p><b>Training of Contractor's Employees / Staff / Workers</b> Contractor shall provide a training / workshop on Safety, Health &amp; Environment (SHE) to all its workers/ employees/ sub-contractors at the time of induction as per required of condition of contract on Safety, Health and Environment. Before posting any of his workers/ staff/ employees/ sub-contractors, the contractor shall give a certificate that the said person had undergone the requisite SHE training.</p>
15	<b>Sub-Clause 6.4</b>	<p><b>Labour Laws :</b> (a) The Contractor shall, if required by the Employer, deliver to the Engineer or to his office; a return in detail, in such form and at such intervals as the Employer may prescribe, showing the number of labour employed in different categories by the Contractor for the entire work.</p>

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SCC Clause	Reference to GCC Sub-Clause No.	Description
		<p>The contractor must ensure compliance of all the statutory labour laws including labour license and registration of workers as per BOCW Act.</p> <p>(b) <b><u>Violation of these basic provisions shall attract a penalty of 5% of contract value</u></b> and repeated violations shall lead to termination of contract.</p>
16	<b>Sub-Clause 6.6</b>	<p><b>Housing Facilities</b> The Contractor shall have to make his own arrangements for housing facilities for his staff.</p>
17	<b>Sub-Clause 6.7</b>	<p><b>Health and Safety</b> Contractors are required to have tie-up with well equipped reputed hospitals having facilities of MRI, CT Scan, Ultrasound, Blood Bank, specialist Doctors like neurosurgeon, orthopedic as mandatory requirement and fire station located in the neighborhood for attending to the casualties promptly and emergency vehicle kept on standby duty during the working hours for the purpose.</p>
18	<b>Sub Clause 7.0</b>	<p><b>Quality Control</b> The Contractor shall appoint a suitably qualified and experienced person, not otherwise engaged in the performance of the Contract, to act as manager of the quality assurance system and shall provide such other personnel and resources as required to ensure effective operation of the quality assurance system. The said manager shall carry out audits of the application of the quality assurance system, and ensure effective quality control and delivery of quality assurance.</p> <p>The Contractor shall provide all necessary access, assistance and facilities to enable the Engineer to carry out surveillance visits both on and off the Site to verify that the quality assurance system is being properly and fully implemented. No extra payment shall be made in this regard and the cost of the Work under this element shall be deemed to be included in the Contract Price.</p>
19	<b>Sub Clause 8.5</b>	<p><b>Liquidity damages</b> If the contractor fails to deliver/ of the all goods and services within the original/fixed period(s) as specified in the purchase order, the NMRC will be entitled to deduct/recover the L.D. for the delay unless covered under for a major conditions aforesaid, @0.5% of the contract value per week or part of the week of delayed period as per estimated damage not exceeding 15% of the contract value without any controversy/dispute of any sort whatsoever.</p>
20	<b>Sub Clause 10.0</b>	<p><b>DEFECT LIABILITY PERIOD</b></p> <ol style="list-style-type: none"> <li>1. <b>SITC work:</b> The DLP on SITC work of LT panel with all components shall be 24 Months as mentioned in final commissioning report. (Part-B of BOQ).</li> <li>2. <b>Supply of materials:</b> DLP for supplied material against any defect shall be 06 months from the date of delivery of material.</li> <li>3. <b>Maintenance/rectification:</b> The DLP on maintenance work and replaced component shall be 06 Months from the date of its rectification as mentioned in joint site report.</li> </ol> <p>After expiry of DLP, Guarantee/Warranty given by OEM of the parts shall also be extended to NMRC and relevant Guarantee/Warranty document of such parts shall also be submitted to NMRC by the contractor before processing of the final bill.</p>

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SCC Clause	Reference to GCC Sub-Clause No.	Description
21	<p><b>Sub-Clause 11.1</b></p> <p><b>Sub-Clause 11.1.1</b></p> <p><b>Sub-Clause 11.1.4</b></p>	<p><b>Contract Price &amp; Payment</b>  <b>In respect of All Inclusive Contract</b>  The Contract Price, subject to any adjustment thereto in accordance with the contract conditions, shall be all inclusive (including all taxes, duties, royalties etc.)</p> <p><b>Change in Taxes Duty</b>  (a) "Change in Taxes/Duties/Levies" means the occurrence or coming into force of the following, at any time after the date of submission of tender.  (i) Any new tax which is imposed on Composite Works Contractors applicable on Metro Project.  (ii) Change in the rate of GST on Composite Works Contractors applicable on Metro Project as Per GST Act.</p> <p>(b) The Contract Price shall be adjusted due to any of the above two conditions. Adjustment in contract price will be applicable up to the stipulated date of completion of work including the extended period of completion where such extension has been granted under sub clause 8.4.1 of GCC or it is specifically mentioned that extension is with adjustment for changes as stated above.</p> <p>(c) If the extension of contract period is on account of contractor's fault under Sub-clause 8.4.3 of GCC, no compensation shall be made towards upward revision towards "change in Taxes/Duty (taking place during the said extended contract period)" as mentioned at Sl. No. (a) (i) &amp; (ii) above, during the original contract period or extended contract period shall be on employer's account.</p> <p>(d) Any other changes (except on account of clause (a) (i) &amp; (ii) above) in existing taxes/new taxes on supply of materials/services/works etc. will not be considered and its impact shall be considered covered in the price variation clause provided in the Contract and in Contract where Price Variation clause is not provided, the impact on any other change (except on account of clause (a) (i) &amp; (ii) above) in existing taxes/new taxes on supply of materials/services/works etc. will be deemed to be included in the quoted contract price.</p> <p>(e) Also, the contract price shall not be adjusted on account of fluctuations in the rates of exchange between the foreign currencies of the contract and Indian rupees from the last date of submission of tender.</p>
22	<b>Sub clause 11.1.3</b>	<p><b>Price Variation</b>  This is fixed price contract and no Price variation is admissible in this contract except in case of NS/Extra items and rates will be taken from DSR in vogue.</p>
23	<b>Sub-Clause 11.2</b>	<p><b>Advance</b>  No Advance is admissible in this contract.</p>
24	<b>Sub-Clause 11.6</b>	<p><b>Payment</b>  For the purpose of On-account payment, the contractor shall submit detailed activities carried out as per BOQ recorded in Measurement sheets, Abstract sheets along with recorded bill for the item actually executed for checking and payment. Payment will be effected based on unit rates as approved in the Bill of Quantities.</p> <p><b>TERMS OF PAYMENTS</b></p> <ul style="list-style-type: none"> <li>• The standard payment terms subject to recoveries, if any, by way of liquidated damages will be as under.</li> <li>• The payment for visiting charge/maintenance and testing shall be made generally on a Quarterly basis for the activities carried out as per the work orders in that time period. At the end of a quarter, the</li> </ul>

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SCC Clause	Reference to GCC Sub-Clause No.	Description
		<p>contractor shall submit necessary documents &amp; Bill in the standard format for payment. The payment will be done only after verification by the NMRC representative</p> <ul style="list-style-type: none"> <li>• <b>For SITC Work</b> <ul style="list-style-type: none"> <li>A) 70% payment of the supply value of equipment will be made on Delivery at NMRC sites.</li> <li>B) 30% payment will be made after submission/compliance of following: <ul style="list-style-type: none"> <li>a) Five sets of completion drawings comprising the following shall be submitted by the contractor while handing over the installation. <ul style="list-style-type: none"> <li>• Equipments layout drawing(s) giving complete details of the entire equipments. Electrical drawings for the entire electrical equipments showing cable sizes, equipment capacities, switch-gear's ratings, control components, control wiring etc.</li> <li>• Schematic diagram of the entire augmented job.</li> </ul> </li> <li>b) Training of operation and maintenance staff of the NMRC to be provided by contractor.</li> <li>c) At the time of final completion, the contractor shall arrange for inspection and testing of the installation. Test results obtained shall be recorded. The installation shall not be accepted until it complies with the requirement of these Specifications. The Sub Station installation shall be got inspected by the contractor from local licensee and/or Electrical Inspector and their clearance taken before energizing the Sub Station. All the observations/deficiencies pointed out by the inspecting authorities shall be complied with by the contractor on priority. The department shall render all help and pay mandatory charges to Electrical Inspector and local licensee, if any, in this regard</li> </ul> </li> </ul> </li> <li>• <b>For Spare items and Service</b> <ul style="list-style-type: none"> <li>a) Confirmation of quantity of spares shall be taken by the contractor.</li> <li>b) Routine test certificate of spares also to be submitted by contractor.</li> </ul> </li> </ul> <p>Payment should be followed strictly as per terms and conditions of Tender Documents and Tax.</p>
25	<b>Sub-Clause 15.0</b>	<p><b>Insurance</b></p> <ul style="list-style-type: none"> <li>(a) All of the contractor's employees drawing monthly wages up to ₹21,000/- or as applicable as per the enhanced limit, shall have to be covered under ESI. The Contractor shall take insurance policy as specified in the Employee's Compensation Act only for those employees who are not covered by ESI.</li> <li>(b) The contractor shall insure against liability to third parties in the joint name of the Employer and the contractor for any loss, damage, death or injury which may occur to any physical property (except things insured otherwise) or any person (except person insured by employer, staff of other contractor working in the premises, contractor's staff under sub clause above which may arise out of the performance of the contract. The insurance shall be at least for the amount of ₹7,50,000/- for each incident.</li> </ul>

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SCC Clause	Reference to GCC Sub-Clause No.	Description
		(c) Insurance cover for Contractor's All Risk shall be full value of Contract price.
26	<b>Sub-Clause 18.1</b>	<p><b>Notices and Instructions</b>            The Contractor shall furnish to the Employer/Engineer the postal address of his office at Delhi NCR. Any notice or instructions to be given to the Contractor under the terms of the contract shall be deemed to have been served on him if it has been delivered to his authorized agent or representative at site or if it has been sent by registered post to the office, or to the address of the firm last furnished by the Contractor.</p> <p>The Contractor shall establish an office in the Delhi NCR in consultation with the in charge for planning, co-ordination and monitoring the progress of the Work and intimate the same in writing to in charge. In addition, the Contractor may set up field offices at convenient and approved locations for co-ordination and for monitoring the progress of fieldwork at his own cost.</p>
27	Additional	<p><b>Penalty and Recoveries</b>            The contractor shall depute service engineer for attending breakdown maintenance of MDB within 12 hours from information given by TPC/JE (In charge) /JE(Stores) to the contractor through written fax/ telex/ phone/ email and receipt of any letter. If the service engineer is not deputed by the contractor within the above stated period, deduction @25% of the visiting charge accepted rates on per day basis which shall be upto maximum equal to twice the visiting charges of one day per occasion.</p> <p>In the event of failure on account of bad workmanship/ non adherence to quality norms as required, a token penalty of Rs. 5000/- shall be imposed on per occasion &amp; no payment will be made for attending the same.</p> <p>Repetition of similar type of failures will not be accepted, which depicts the ineptness of Service engineer deployed/ substandard spare part supplied by the contractor. For which a suitable penalty @ Rs.5000/- per occasion will be charged for these repeated failures &amp; no payments will be made for attending them.</p> <p>The contractor has to submit the breakdown report duly verified by NMRC representative, containing all the information related to breakdown (cause of breakdown, corrective action taken for closure of the complaint etc.). If the contractor does not submit the service reports duly verified by the NMRC representative, then also the above penalty clause shall prevail.</p>
28	Additional	<p><b>Tools and Test Equipment :-</b>            The contractor shall bring all the tools and test equipment which is essential in day to day use in both preventive and breakdown maintenance.</p>
29	Additional	<p><b>Training to NMRC PSI staff:-</b>            In the Contract period the contractor will provide required site training regarding all necessary rectification as troubleshooting and module wise training.            In case of breakdown the contractor will clearly elaborate the cause of breakdown, corrective action taken for the rectification of failure and any necessary precaution that should be taken to avoid such failures.</p>

## 6. Section 6: Technical Specification

### 6.1. GENERAL

1. The contractor shall certify that proper care of highly corrosive environment in selective areas of Delhi-NCR has been taken in selection of equipment and necessary provision to mitigate deterioration in performance/equipment life has been accounted for in respective equipment / system's during vendor's technical proposal.
2. The contractor shall ensure that sufficient space is kept for accessibility of each equipment on either side for proper maintenance and replacement. In case Engineer is of point of view that equipment installed does not have sufficient accessibility, contractor to dismantle and re-install equipment with provision for sufficient accessibility, without any extra cost to NMRC.
3. The contractor shall make due allowance & provisions in its design (not limited to only those mentioned in RFP) so that the equipment/ system (s) installed in above such environment & operating conditions are able to function properly & meet the performance requirements as per contract conditions.
4. The contractor shall submit following documents but not limited to:-
  - i. Technical manual.
  - ii. Operation & Maintenance Manual
  - iii. Manufacturer recommended installation method and drawings.
  - iv. Contractor to submit undertaking from OEM that OEM shall assess and certify the installation of equipment to the satisfaction for delivery of claimed performance.
  - v. Detailed test report shall be submitted along with the type test certificate.

### Panels

- i. The manufacturing , testing , installation and commissioning of complete 415 V or 690 V, 3 phase, 4 wire and 50 Hz low voltage main switchboard is as defined in IS/IEC 61439-1 & 2 or IEC/EN 61439-1& 2, built up from compartments to house busbars , terminal blocks, internal and control wiring, instrumentation, relays, interlock and padlocking facility, emergency push buttons, Meters etc. interface, indication lamps, control and auxiliary switches, contacts, control power supply, air circuit breaker, MCCB, MCB, CTs and any other items considered necessary to deliver the functions of incoming and outgoing power supply as detailed in BOQ .  
The equipments installed in each of the Electrical Panel are defined in the BOQ.
- ii. Electrical Panels along with equipments shall conform to the latest standard or harmonize as per the respective standard as given below or specified along with the equipment in the specification. In case of any conflict between specifications & the standards, the instructions/decision of the Engineer' or Employer's authorized representative shall be binding.
- iii. Low voltage Electrical Panels shall satisfy the following requirements and shall also comply with standards in force when Electrical Panel units are manufactured, particularly which are in the following table (Unless otherwise stipulated in the specification, the latest version of the standards shall be applicable)
  - a. ISO 9001 - Quality systems- model for quality assurance in design/development, production, installation and servicing
  - b. IEC 60228 -Conductors of insulated cables
  - c. IEC 60255 - Measuring relays and protection equipment
  - d. IEC 60529 - Degrees of protection provided by enclosures (IP Code)
  - e. IEC 60898 - Electrical accessories -Circuit-breakers for over current protection for household and similar installations.
  - f. IEC 60947-6-1/EN 60947-6-1 - Specification for low-voltage and control gear Multiple function equipment. Automatic transfer switching equipment.
  - g. IEC 60947-2/EN 60947-2/IS-IEC 60947-2 - Specification for low-voltage switchgear and control gear circuit breakers.
  - h. IEC 61008 - Residual current operated circuit-breakers without integral over current protection for household and similar uses (RCCBs)

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- i. IEC 61439-3/EN 61439-3 - Specification for low-voltage switchgear and control gear assemblies. Distribution boards intended to be operated by ordinary persons.
- j. IEC 61439-1&2/IS-IEC 61439-1&2 - Specification for low-voltage switchgear and control gear assemblies
- k. IEC 61641 - Enclosed low-voltage switchgear and control gear assemblies - Guide for testing under conditions of arcing due to internal fault.
- l. 16463 (Part 11) - Requirements and test methods.
- m. IEC 61009 - Specification current operated circuit-breakers without integral over current protection for household and similar uses (RCBOs)
- n. LED indicator lamp in panel must be voltage monitoring indicator type (Voltage Range: AC 60-500V; Voltage Measurement Error: +/- 2%; Working Environment Temperature Range: -13 ~ +131°F)

### **Technical & Installation Requirement**

- i. The Electrical Panel shall be same as low- voltage switchgear and control-gear assemblies defined in IEC 61439-1 or EN 61439-1 or IS/IEC 61439-1 built up from compartments housing circuit breakers, control gear, relays, bus bars, controls and other equipment as defined in BOQ. IEC 61439 and IEC 60947, is mentioned in the specification or BOQ, should be read as "IEC 61439 or IS/IEC 61439" and "IEC 60947 or IS/IEC 60947", respectively. Further, latest update of IEC standard shall be applicable for design and testing requirements. Type tests reports for compliance of IEC 61439 from accredited and independent testing laboratory shall be submitted.
- ii. All the panels should be factory built and of proven design duly approved by the original manufacturer (i.e. original manufacturer as per clause 3.10.1 of IEC 61439-1), and the requirements related to type test for each of the panel should comply to IEC 61439.

Compliance to requirement for all types of Type Test for the purpose of Design verification shall be in accordance with Clause 10 and Annexure D of IEC 61439-1.

Type tests reports for compliance of IEC 61439 from accredited and independent testing laboratory shall be submitted during tender submission stage and will be evaluated for tendering process.

If an already conducted Type Test report for a certain Type Test is being submitted by the Contractor instead of getting a Type Test actually conducted on the panel being supplied against this contract, then, the contractor shall submit full documentary evidence, means, supporting calculations and justification (duly supported with relevant standards) to demonstrate that the submitted Type Test report for each of the Type Test are valid & applicable for the Panel being actually supplied & commissioned for this contract.

The above submissions from the contractor shall also include details to demonstrate that the various constituents of the panel being supplied (like make & capacity of switchgears, constructional material & capacity of bus bars, terminal connectors, insulating supports for various live parts, clearances, separations compartments and various constructional details of the panel itself etc.) and the various contractual technical requirements (IP rating, Short Circuit withstand capacity, Impulse voltage withstand capacity etc.) are being compiled by the panel for which the Type Test report is being submitted.

For each type of complete panel for which the type test report is being submitted to the user (i.e. party who will specify, purchase, use & or operate the assembly, or someone acting on their behalf, which is NMRC in this contract), the contractor should clearly communicate / specify to the user the details of the original manufacturer (i.e. original manufacturer as per clause 3.10.1 of IEC 61439-1, which is the organisation that had carried out the original design and associated verification of an assembly in accordance with relevant assembly standard) as well as the ASSEMBLY manufacturer (i.e. the organisation taking responsibility of the completed assembly as per clause 3.10.2 of IEC 61439-1 and as per note mentioned in this clause, the ASSEMBLY manufacturer can be same or different organisation to the original manufacturer). In context of above, it shall be noted that the contractor shall be required to submit the approval to the design & drawings for each type of complete panel (which is being supplied to the user) of above mentioned original manufacturer of the

## Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

corresponding panel (i.e. the panel whose type test report is being submitted by the contractor to comply to contractual requirements related to various type tests).

Manufacturing Quality Plan (MQP) with clear mention of quality hold points is also required to be submitted for approval of the Engineer, so that stage inspection (if required) may be conducted by the user.

The Contractor shall also submit the FAT (Factory acceptance test) protocol for approval of the Engineer submitting details of all such tests which shall constitute the FAT, with clarity on the acceptance /rejection criteria in co-relation to relevant standards.

The Contractor shall also submit the SAT (Site acceptance test) protocol for approval of the Engineer submitting details of all such tests which shall constitute the SAT, with clarity on the acceptance / rejection criteria in co-relation to relevant standards.

- iv. The Electrical Panel shall pass the internal arc fault containment tests in accordance with IEC 61641 for fault current ratings as defined in BOQ for a minimum time of 0.3 sec.
- v. The degree of Ingress Protection for Electrical Panels shall be IP 54 unless otherwise specified in BOQ, which shall not deteriorate with time.
- vi. The Electrical Panels and the associated equipment, including switchgear and control gear assemblies shall be certified for the category of duty specified as per Annex A of IS/IEC 60947-1.
- vii. The main circuit as defined in vide clause 3.1.3 of IEC 61439-1 shall have an insulation voltage of 1000 V AC or as specified in the BOQ.
- viii. The ambient temperature and ambient humidity for Electrical Panel shall be as per IEC 61439-1 (Clause 7.1.1 and 7.1.2 of IEC 61439-1) and Switchgear shall be as per IEC 60947(Clause 6.1.1 and 6.1.3 of IEC 60947).
- ix. The secure service life of Electrical Panels shall be at least 30 years. The design features & Electrical life of critical components used inside of panels to secure the service life of 30 years shall be submitted at the time of design approval.
- x. The Electrical Panel shall have a rated short time withstand current of ~~70 kA, 65 kA, 50 kA, 35 kA, 25kA~~ etc. for 1 second as per BOQ.
- xi. The Electrical Panels shall be a minimum of Form 4b Type 5 in accordance with BS EN 61439-2/IEC 61439-2&Iema's Guide to Forms of Separation.
- xii. All materials like busbar supports etc. used in the panels shall be Low Smoke Zero halogen and Thermosetting type.
- xiii. The cubicle section shall be constructed of angle iron types frames or folded sheet steel or fully welded/bolted construction with all necessary removable covers. Removable lifting lugs shall be provided on the top of the cubicles. Cubicle sections shall be provided with bolts or devices for insuring that they are correctly aligned when being coupled together. The bus bar chamber shall be fitted with removable end cover plates secured by mild steel captive screws.
- xiv. It shall be finished to provide a rigid shell type of enclosure in accordance with BS EN 10025.
- xv. The load bearing parts and other parts of the entire electrical panel assembly shall be 2 mm CRCA thick sheet.
- xvi. The Electrical Panels shall be mounted on a robust base frame made up of steel channel with a minimum height of 100mm and the maximum height of Electrical Panel shall not exceed 2.45 meter including base frame. The base frame shall be able to withstand the static and dynamic loads of the Electrical Panels. The steel channels shall be painted with epoxy polyester paint.
- xvii. Electrical panel shall have provision for top/bottom in-coming and bottom/top out-going to suit site conditions of cable entries.
- xviii. Aluminium / Non-magnetic gland plates of not less than 5 mm thick of suitable size shall be provided at the top and bottom of the LV main switchboards for the termination of incoming and outgoing power cables of size 120 sq. mm or more or bus ways and 3 mm thick for cables of size less than 120 sq. mm. Where armoured multi-core cables terminate inside the switchboard enclosure, glanding plates or glanding brackets shall be provided for securing the cables to the switchboard.
- xix. Glanding plates, glanding brackets and extension boxes shall be removable and shall be of adequate size for the particular cables to be terminated. The cables shall not put any stress on to the glanding plate and shall be secured adequately.

## Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

- xx. All relays and indicating instruments shall be at least 300 mm and not higher than 1.8 m from base frame. The clearance in front, back and side of all assemblies of switchgear and control gear shall be as per latest IE rule.
- xxi. Various units comprising a complete Electrical Panels shall be grouped in a multi-tier arrangement including a cabling and wiring chamber of ample dimensions to accommodate terminal blocks, cable boxes and gland plates.
- xxii. The equipment shall be arranged within each compartment such that all normal maintenance can be carried out through hinged access doors or removable covers, and where possible from the front.
- xxiii. Adequate maintenance access shall be provided to equipment within the Electrical Panels. Demountable panels shall be provided at the back of the Electrical Panels that can be handled by a single person. Every demountable panel shall be provided with a pair of handles for easy removal and fixing.
- xxiv. Front access door shall be fixed with concealed hinges and interlocked with the switch mechanism. The door panel can be opened only if the switchgear is in the "OFF position" or the switchgear should switch off if the panel door is opened. Each openable door of the panel shall be double earth with braided flexible copper wire of minimum cross section 2.5 sq mm.
- xxv. Anti-condensation touch proof DIN rail mounted heaters shall be provided at the rate of 100 W for each vertical of the Electrical Panels, in case the volume is greater than 1 cubic meter of one vertical then 150 W heater shall be provided. The heaters shall be of an enclosed tubular pattern, each separately fused/ MCBs and switch. Each heater shall be controlled by means of a step adjustable humidistat. Cable alley shall be having the provision of industrial grade LED fixture of 1000 lumens, controlled by limit switch. Electrical life of LED fixtures shall not be less than 50,000 hrs.
- xxvi. Adequate arrangements for air circulation shall be made within each compartment of the Electrical Panels. Adequately sized thermostatically controlled cooling fan with filter, if required shall be provided. The Contractor shall ensure that the internal temperature of the Electrical Panels will be well within the operating ranges as specified by IEC 61439-1 of all electric components including switchgear, control gear, bus bars, relays, wiring and timers inside the Electrical Panels.
- xxvii. The switchgear assembly/sub-assemblies or panels shall be termite and rodent proof.
- xxviii. The switchboard shall have sufficient space to house all electrical equipment allowing spare space capacity for the future expansion if specifically asked in BOQ.
- xxix. The Electrical Panel shall operate without excessive vibration and with a minimum of noise as per best of engineering practice and shall also operate without excessive temperature rise at the rated load conditions.
- xxx. The style and finish of the workmanship shall be consistent throughout the Works. Unless otherwise specified, Engineer shall decide the final colours for all paintwork and other finishes to be applied to the Electrical Panels.
- xxxi. A continuous earthing busbar shall be provided along the whole length of each Electrical Panels and shall be provided with terminals for connection to the metal housing of incoming busways, cable trunking and cladding or armouring of all incoming and outgoing cables and to the substation earth.
- xxxii. Switchboards shall be provided with two earthing terminals, one at each end, for the connection of external earth conductor for earthing. The earthing bars shall be fixed at rear interior bottom portion throughout the length of the switchboard, bonding all gland plates, and other component parts of the switchboard to a main earth point adjacent to the intake position in accordance with BS 951 and BS 7430.
- xxxiii. All terminals, connections, relays and other components which may remain live when access doors are open shall be screened. It shall not be possible to obtain access to an adjacent cubicle when any door is opened.
- xxxiv. Where several outgoing circuits occupy a common cabling chamber, all busbarwork, cable lugs, terminations and terminal blocks shall be fully segregated by compartmentation to enable work on any one circuit to be carried out with other circuits remain live.
- xxxv. Protection against shock in normal service shall be achieved by the provision of barriers or enclosures both vertical and horizontal and between adjacent units to ensure segregation and prevent accidental contact with live parts, or by complete insulation of all live parts. Control cables shall be segregated from primary conductors.

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### 6.2 Internal and control wiring

- All equipment shall have adequate provision for the entry and termination of all associated power and auxiliary cables.
- Cable entry shall in all cases, except where otherwise specifically approved, and be at the base of the equipment. All cabling and wiring within the Electrical Panels shall be neatly run and fitted in or upon such cable trays, trunkings and conduits as may be appropriate to the layout and equipment. Cable trays, trunkings, conduits and cleats shall be non - metallic and shall be of the low smoke halogen free material. A metallic cleat is acceptable with the approval of site engineer.
- Wiring from the fixed part of the switchboard to the movable part such as hinged door shall be enclosed by flexible tubing made of Low smoke Zero Halogen material. Exposed live terminals shall be suitably shrouded or covered.
- All control circuits shall be protected by a MCB
- There shall be no joint in conductors between terminal points
- All wires between the terminals of two equipment shall be given a unique number according to an approved system. A wire number shall not change solely by virtue of passing through, say, a marshalling terminal block.
- In the interests of uniformity, the wire-numbering system shall be approved by the Engineer.
- The contractor shall submit the cable tray layout plan as per existing ASS equipment layout. The clearance shall be given after approval of layout plan.

### 6.3 ACBs shall be SCADA controlled and monitored with following signals

- i) Local/Remote mode status
- ii) SCADA permissive indication
- iii) CB in Test/service
- iv) CB Spring Status
- v) Trip relay operated
- vi) Switching state (Open)
- vii) Switching state (Close)
- viii) CB under voltage trip relay operated
- ix) CB open Command
- x) CB close command
- xi) SCADA permissive command

### 6.4 Interlocks and Test Operation Facilities

All ACBs shall be provided with interlocks to ensure that:

- 1) The ACB cannot be plugged in or isolated while it is closed,
- 2) The ACB cannot be closed until it is fully plugged in or completely isolated
- 3) The ACB cannot be closed in the service position without completing the auxiliary circuits between the fixed and moving portions
- 4) With manual charged and motor charged spring mechanisms the springs cannot be discharged until they have been fully charged and until the means for charging has been removed or disconnected,
- 5) Facilities shall be provided for testing the ACB operation when in the isolated and withdrawn positions by the normal means as in service, and
- 6) Where control circuits are provided and interlock circuits are broken via plugs on withdrawal of the ACB, a minimum of one jumper lead and plug assembly of each size and type shall be provided to facilitate testing in the withdrawn position.
- 7) The neutral shall be rated for 100%

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### 6.5 Remote monitoring

6.5.1 The following critical status and alarms for each Electrical Panels shall be sent to BMS for remote monitoring via volt-free contacts or serial interface over standard protocol communication as approved but not limited to:

- 1) Individual ACB/MCCB open/close status,
- 2) Common alarm for ACBs/MCCBs trip on fault/lock out,
- 3) Common alarm for any local/remote or local/auto selector switch in local mode
- 4) Control supply failure,
- 5) ACB ready to close indication.
- 6) Emergency push button (EPB) operated, and
- 7) Busbar voltage ,current , frequency and energy parameter
- 8) Electrical Panels under voltage alarm and cause of tripping.

### 6.6 CHECKLIST FOR OVERHAULING of ACB (Indicatives)

- 1) Visual inspection of components of ACB to assess condition.
- 2) Dismantling, cleaning and assembling of arc chute cover and cover and terminal shield.
- 3) Cleaning of ACB with CRC as per standard.
- 4) Lubricate moving parts according to manufacturer specifications to ensure smooth operation.
- 5) Checking condition of arcing contacts.
- 6) Checking gap between fixed and moving contacts with the help of feeler gauge as per OEM standard.
- 7) Checking Protection release parameters and testing of release with the help of OEM recommended test kit.
- 8) Checking presence and proper tightening of hardware.
- 9) Checking presence of all Cir Clips and washer.
- 10) Checking condition of ACB wiring.
- 11) Checking condition of Arc Chambers.
- 12) Testing the closing time, tripping time and springtime as per standards.
- 13) Checking and measuring the closing coil resistance, trip coil resistance and Contact resistance.
- 14) Perform insulation resistance testing to verify dielectric strength.
- 15) Verify and adjust trip settings and calibrate as necessary.
- 16) Checking main operating mechanism and replacing it in case of faulty during servicing.
- 17) Replace any worn or damaged components as identified during inspection.
- 18) Conduct functional tests to verify the operational readiness of ACBs post-servicing.
- 19) Perform secondary injection testing if required.

## 7. Section 7: Employer's requirement

The contractor shall take vendor & GTP approval of switchgear/cables before giving manufacturing clearance. Type test report to be submitted along with GTP approval. All materials/equipment proposed to be used, should have satisfactory performance in any metro system.

### 7.1 OBJECTIVE

The objective of the contract is “**Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC**” as mentioned in Employer's Requirement. In full recognition of this objective, and with full acceptance of the obligations, liabilities and risks which may be involved, the Contractor shall undertake the execution of the Works.

### 7.2 Site Information

Information regarding requirement of Manpower shall be conveyed by Concerned Supervisor Incharge as and when required telephonically or via mail.

### 7.3 FACTORY ACCEPTANCE TEST :-

- **The contractor shall arrange the factory inspection of LT panel and related equipment to Engineer In-charge and/or representatives before dispatch as per the NMRC approved FAT plan.**

### 7.4 EXTENT OF WORK: -

- The scope of work shall consist of cost of all materials, labour i/c supervision, installation, calibration, adjustments as required for commissioning of the sub-station. The term complete installation shall mean, not only, major item of the plant and the equipments covered by these specifications, but also, incidental sundry components necessary for complete execution and satisfactory performance of installation with all labour charges, whether or not specifically mentioned in the tender documents, which shall be provided by the contractor at no extra cost.

### 7.5 COMPLETENESS OF TENDER: -

- All fittings, unit assemblies accessories, hardware foundation bolts, terminals blocks for connections, cable glands and miscellaneous materials and accessories of items of work which are useful and necessary for efficient assembly and working of the equipment shall be deemed to have been included within the scope of the work in the tender and within the overall details for complete item whether they have been specifically mentioned or not
- Within fifteen days of the signing of Agreement, the contractor shall have to notify in writing the name of his two authorized representatives one of them will always be available at the site of work to receive the orders / instructions by Engineer in charge and the other for issue of materials and other miscellaneous works. The contractor shall be fully responsible for the orders / instructions received by his representatives regarding quality, progress and materials from the Engineer-in-charge or any higher officer of NMRC.
- The contractor shall be fully responsible for setting out the works and for the correctness of the positions, levels, dimensions and alignments strictly according to the plan / architectural and structural drawings (shall be provided without any charge) and all necessary instruments, pegs poles and other material required for the purpose, failing which the contractor will be penalized as applicable.
- The contractor shall maintain and keep the area in agreed sanitary condition for the use of men engaged in the work by him and shall remove and clear all structures etc. which

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may have been setup by the contractor for accommodating his staff / labour on the completion of work to the satisfaction of the Engineer in charge.

- The contractors shall have to make their own arrangements of water for construction work, for temporary accommodations for the office staff and for the labourers' residence at the site of work. The water should be fit for drinking. In case the water is supplied by the department, the contractor shall have to bear charges at rates fixed by the authority.
- The dust emissions from the construction site should be completely controlled and all precautions taken in that behalf.
- Every Project proponent shall be under obligation to provide all medical help, investigation and treatment to the workers involved in the construction of building and carry of construction material and debris relating to dust emission.
- Wind breaking walls around construction site and proper maintenance of greenbelt should be answered.
- All builders shall ensure that C&D waste is transported and disposed to the C&D waste site only and due record in that behalf shall be maintained by the builders and transporters.
- It shall be the responsibility of every builder that all the construction material and debris shall be carried in the trucks or other vehicles which are fully covered and protected so as to ensure that the construction debris or the construction material does not get dispersed into the air or atmosphere, in any form whatsoever.
- The vehicles carrying construction material and construction debris of any kind should be cleared before it is permitted to ply on the road after unloading of such material.

### 7.6 DATE OF ACCEPTANCE (applicable for part B of BOQ): -

- The contractor shall monitor the job for a period of fifteen days after it is energized. The date of taking over of the substation shall be reckoned after its trouble free operation during the running in period.

### 7.7 AFTER SALES SERVICES:-

The contractor shall ensure adequate and prompt after sales services in the form of maintenance personnel and spares as and when required with a view to minimizing the break down period. Particular attention shall be given to ensure that all spares are easily available during the normal life of installation.

### 7.8 SCOPE OF WORK

The work “**Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC**” mainly comprises of the following:

- a. Contractor shall supply spare parts materials and LT Panel as mentioned in BOQ within 90 days of issuing of LOA.
- b. Contractor shall submit relevant drawing and technical particulars of LT Panels for approval within 15 days of issuing of LOA. All documents should be complete in nature.
- c. Delay in submission of document or delivery shall be dealt as per SCC clause 19.
- d. The contractor shall deliver spare material at Traction store ETU building Noida Metro Depot of NMRC.
- e. Contractor shall provide contact details of contractor's staff who shall be contacted by NMRC for repair/rectification of MDB/ACB failures as and when required.
- f. After investigation of failure of MDB, contractor shall rectify the fault using the spares required from the delivered spares as per BOQ.

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If any other consumable material (not covered in BOQ) is required for rectification of failure, same shall be arranged by NMRC.

- g. After attending the failure, working of MDB, its operation, changeover & indications on panel & at remote control (SCADA) shall be jointly checked with NMRC staff. Testing should be done before putting the breaker on load. The rectification shall be assumed complete when all these aspects are found properly working.
- h. After maintenance work there will be functioning/performance check of the MDB upto 72 hours before processing any payment.
- i. Testing of release should be done by OEM specific kit compatible with installed breaker (ABB/Schneider) as per OEM recommendation.
- j. In this contract, work shall be mostly carried out in **Night time** or as per availability of shutdown. OEM must be ready to engage their staff during holidays as well. Nothing shall be paid extra.
- k. While execution of work, minor modification/alteration as per site condition, if any, has to be done by the contractor as advised by engineer-in-charge. Nothing shall be paid extra.
- l. The manpower can also be deployed during OFF days/holidays/Night hours etc. as per requirement and for which nothing shall be paid extra.
- m. Any damage/breakage to the NMRC properties during the execution of works will be at the risk & cost of the Contractor and in this regard, decisions of NMRC will be final & binding regarding amount of damage/breakage etc. the amount will be deducted from Contractor's bills.
- n. Payment shall be made by NMRC quarterly after completion of work. No advance payment shall be made against this contract.
- o. Any other item of work as may be required to be carried out for completing the work under this contract in all respects in accordance with the provisions of the contract and/or to ensure the safety of installation during and after execution is included in the Contract Price.
- p. NMRC's engineer-in-charge / representative shall verify the installation during & after completion of work each day, and prepare report in triplicate. A copy of above report shall be handed over to contractor which will be required to be submitted to NMRC along with the bill.
- q. The work shall be carried out under the guidance of engineer in-charge and in case of any dispute regarding any matter; decision of NMRC shall be final and bound to contractor.
- r. Contractor shall provide all the component(s)/ system(s) required for maintenance equipment's mentioned under BOQ. Nothing shall be paid extra for the same. The contractor shall bring all tools and test equipment which are essential in breakdown maintenance. Tools & Plants will be in the scope of contractor and nothing shall be paid extra.
- s. The contractor will deploy authorized representative for registering telephonic/mobile calls of NMRC regarding breakdowns/failures against this contract for all the days of a year. In case of any failure, authorized representative of NMRC will intimate the same to authorized representative of contractor, and in response, the contractor with requisite resources shall attend the failure within 12 hours of complaint. The team should be available to attend any corrective maintenance/failure during any period of any day of the year.

### 7.10 SAFETY

NMRC is a certified Organization for Environment, Health & safety. The work is to be carried out as per International Norms/Standards and in such a manner that all premises always look Neat &

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Clean. Similarly, the waste disposal is also carried out in totally sealed manner without affecting the Environment.

### 7.10 PAYMENT

Payment Schedule	Payment Terms
Supply of spare parts item	100% payment shall be made after delivery of material at NMRC site with submission of documentary evidence and after duly verification by NMRC representative.
Maintenance and other works	Payment shall be done on Quarterly basis upon submission of measurement sheet duly signed by NMRC line incharge & Executive, Invoice and other statutory documents. As per SCC clause 24.

- a) For the purpose of payment, the contractor shall submit detailed activities carried out as per BOQ along with recorded bill for the item actually executed for checking and payment. Payment will be effective based on unit rates as approved in the Bill of Quantities.
- b) The payment shall be made subjected to submission of jointly signed report of NMRC Engineer in charge & contractor's representative.
- c) Payment shall be subjected to deduction of all TDS as per applicable law.
- d) NMRC's engineer in-charge / representative after verification during & after completion of work shall prepare joint report in duplicate duly signed by him and contractor's representative. A copy of report shall be handed over to contractor. Bill along with copy of joint report shall be submitted by contractor to NMRC Engineer for verification and processing the bill for payment.

### 7.10 PENALTY

Failing the supply on time or maintenance and testing work within contract period shall levied penalty. For non-fulfilment of contractual obligations against this contract penalty shall be levied which is limited to 15% of contract value.

If the contractor fails to attend failure strictly or skips/delays due to shortage of spares/manpower or any other reason, then a **penalty of Rs 2500/- per incident per day** shall be deducted from the payment. The contractor shall therefore attend all failures as per the required/ mentioned by NMRC and shall also submit the relevant service reports pertaining to the activity carried out during the period of contract. If the contractor does not submit the service reports duly verified by the NMRC representative, then also the above penalty clause shall prevail.

- If any fault occurred during maintenance/Testing/rectification work due to poor workmanship or mishandling by the contractor, the same has to be rectified by contractor without any additional cost.
- If any spare part fails during DLP period, the same has to be replaced free of cost with new one by the contractor & the replaced spare parts will also covered under residual warranty of replaced defective spare part. The replacement work has to be attended in such a manner that working of Equipment (ACB) is not suffered intensely. If the machine working hampered intensely, a penalty will be imposed & necessary punitive action will be taken by NMRC against the tenderer depending upon the intensity of the loss suffered by NMRC. Further, If the operation of ACB is suffered intensely during course of replacement or delay in attending the machine by the tenderer, the NMRC will be at freedom to get it repaired from any other source and the subsequent cost of repair will be charged from the firm.

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### 7.10 Service Reports

A Performa as specified by Engineer-In-Charge, wherein the information pertains to details related to breakdowns/failures related to complaints registered by authorized representative of NMRC to the contractor is elaborated.

Summary of the failure report along with the analysis giving details of nature of faults, root cause analysis and remedial action taken shall be submitted to NMRC. OEM certification/ guarantee card to be given by vendor.

### Terms and Conditions:

If any electrical work required by NMRC during the currency of contract and item is not available in the contract the same shall be executed as per direction of NMRC and the payment shall be made in the contract as an extra item and the rates shall be work out as per current market rate.

However if the extra spare parts required which are already mentioned in rate contract shall be provided on same price of contract rate within variation of quantity upto 25% of the total contract value.

Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

## 8. Section 8: Draft Contract Agreement

THIS AGREEMENT made on the .....day of..... 2021 at Noida, District GautamBudh Nagar, Uttar Pradesh Between **Noida Metro Rail Corporation Limited** (Hereafter referred to as "NMRC"), a company incorporated under Companies Act 2013, vide corporate identification Number: U60231UP2014SGC066849 and having its registered office at **Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301, District Gautam Budh Nagar, Uttar Pradesh, India** represented by.....of the company, by virtue of his designation and authorization by **Shri....., Managing Director, NMRC** (hereinafter called as the "Purchaser"), which expression shall unless excluded by or repugnant to the context or meaning thereof be deemed to include its successors and permitted assigns) of the one part,

**AND**

..... having its registered office at .....represented by .....(Herein after called the "**Contractor**", which expression shall unless excluded by or repugnant to the context or meaning thereof be deemed to include its successors and permitted assigns) of the other part. WHEREAS the Purchaser desires that the Works known as the "....."should be executed by the Contractor, and has accepted a contract by the Contractor for the execution and completion of these Works.

The Purchaser and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement -

### Reference:

- (i) Tender No. .... Dated .....
- (ii) Bid Documents duly accepted and submitted by ..... dated .....
- (iii) The Bidding Documents which include all the Sections specified below:
  - a. Section 1:General Information and Scope
  - b. Section 2: Terms of Reference
  - c. Section 3:Instructions to Bidders
  - d. Section 4: Qualification, Evaluation and Selection Process
  - e. Section 5: Special Conditions of Contract (SCC)
  - f. Section 6: Technical Specifications
  - g. Section 7: Other Conditions
  - h. Section 8: Draft Contract Agreement
  - i. Section 9: Forms
  - j. General Conditions of Contract (GCC)
  - k. Safety, Health and Environment Management (SHE)
  - l. Amendment/ Modification, if any
- (iv) Notice of Award (..... ) issued by NMRC
- (v) Letter of Acceptance of NOA (..... ) given by .....to NMRC
- (vi) Any other admitted correspondence documents between NMRC and the Bidder.

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**3. Duration of Contract**

The Corporation intends to appoint a Contractor to NMRC for a period of 1 (One) Year.

**4. Price Schedule**

NMRC shall consider the following price, as quoted by the Contractor as part of financial bid.

5. The courts at District GautamBudh Nagar, Uttar Pradesh shall have the exclusive jurisdiction to try all disputes arising out of this agreement between the parties.
6. In consideration of the payments to be made by the Purchaser to the Contractor as specified in this Agreement, the Contractor hereby covenants with the Purchaser to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract and Notice of Award issued. "Any conditions, deviation, assumption, exclusion, suggestion of alternative clauses, request of amendments in conditions & specifications of work submitted by bidders along with his Technical Bid or Financial bid, which is different from the Tender Document, Corrigendum, Addendum issued by NMRC any other correspondence in this regard, shall not be treated as a part of the contract Agreement & shall not be binding upon NMRC in anyway whatsoever at any stage of work during execution or thereafter."
7. The Purchaser hereby covenants to pay the Contractor in consideration of the execution and completion of the Works, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract and NOA.

IN WITNESS where of the parties hereto have caused this Agreement to be executed in accordance with the laws of India on the day, month and year specified above.

For and on behalf of the Contractor  
Signature of the authorized official

For and on behalf of the Purchaser  
Signature of the authorized official

**Name of the official**

**Name of the official**

Stamp/Seal of the Contractor Stamp/Seal of the Purchaser

In the presence of:

In the presence of:

Sign of Witness 1 \_\_\_\_\_

Sign of Witness 1 \_\_\_\_\_

Name \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

Address \_\_\_\_\_

Sign of Witness 2 \_\_\_\_\_

Sign of Witness 2 \_\_\_\_\_

Name \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

Address \_\_\_\_\_

## 9. Section 9: Appendix and Forms of Tender

### 9.1 Appendix 1: Metro Alignment

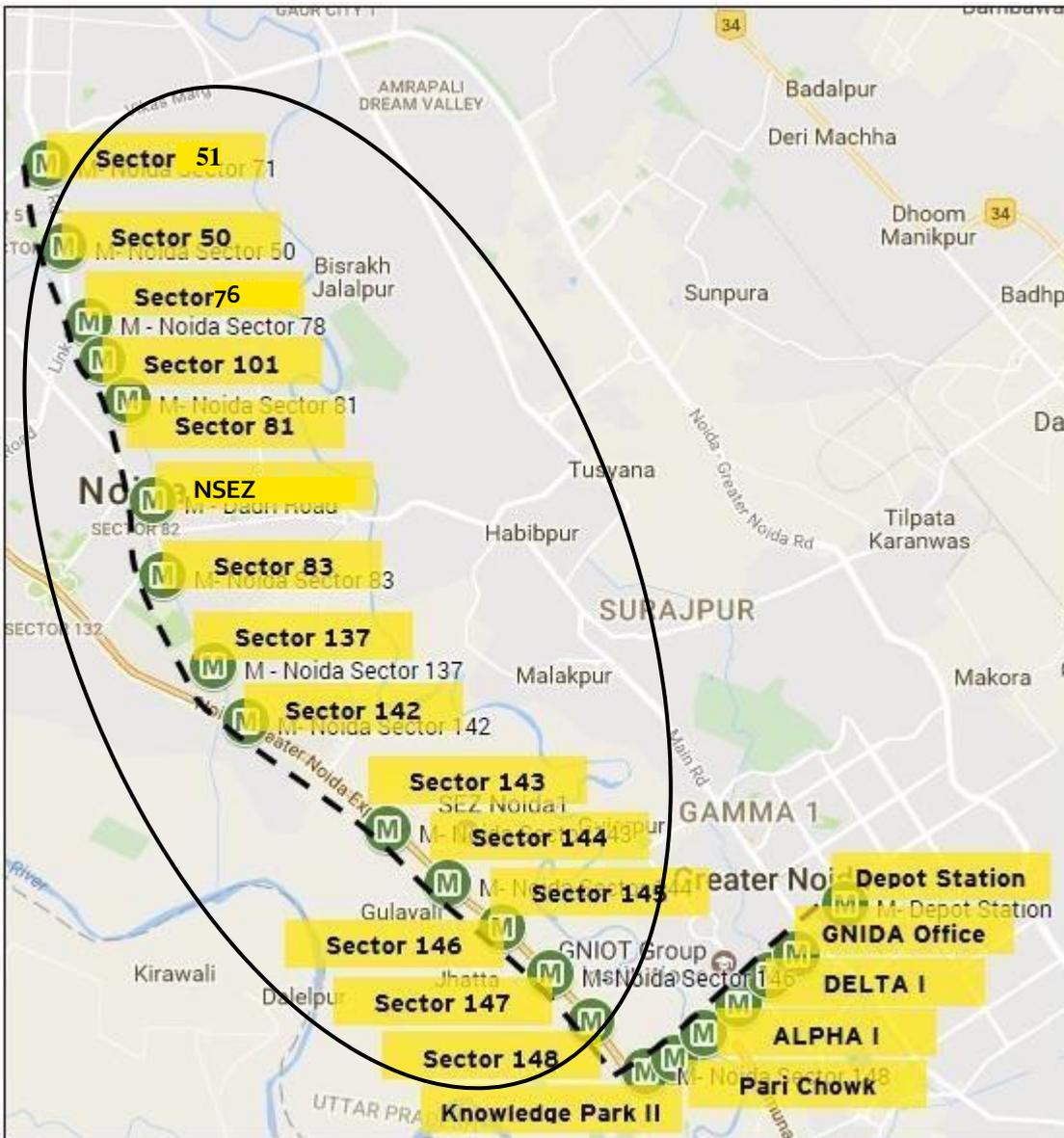


Fig: N-GN Metro Line

Please Note: The map shown above is indicative (not to scale)

Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

<b>S.NO.</b>	<b>Name of the Station</b>
1.	Sector 51 Station
2.	Sector 50 Station
3.	Sector 76 Station
4.	Sector 101 Station
5.	Sector 81 Station
6.	NSEZ Station
7.	Sector 83 Station
8.	Sector 137 Station
9.	Sector 142 Station
10.	Sector 143 Station
11.	Sector 144 Station
12.	Sector 145 Station
13.	Sector 146 Station
14.	Sector 147 Station
15.	Sector 148 Station
16.	Knowledge Park II Station
17.	Pari Chowk Station
18.	ALPHA I Station
19.	DELTA I Station
20.	GNIDA Office Station
21.	Depot Station

\*Apart from above mentioned 21 stations, there are two RSS (Receiving Substation) situated near NSEZ metro station and sec-148 metro station.

Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

**9.2 Form 1: Letter of Proposal Submission**

[Location, Date]

To

DGM/Electrical

Noida Metro Rail Corporation (NMRC) Limited

Block-III, 3<sup>rd</sup> Floor, Ganga Shopping Complex,

Noida -201301,

District Gautam Budh Nagar, Uttar Pradesh

**Subject: Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC.**

Dear Sir,

We, the undersigned, offer to provide the **Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC**, in accordance with your RFP Document dated [Insert Date] and our Proposal. We are hereby submitting our Technical and Financial Proposal. We confirm that we have read the RFP Document in totality and abide by all the terms and conditions stated in the document.

We acknowledge that we have

- Studied and analyzed and satisfied ourselves about all the requirement of the tender including but not limited to market and market conditions
- Carefully assessed the commerciality of Project and that we will be fully responsible for all its assessment in this regard.
- Seen / visited / assessed the potential locations and fully understand and comprehend the technical, financial, commercial and investment requirements.

We have filled the complete information correctly in **Form 21**.

I/we declare that I/we is/are the authorized signatory and have the power by Board Resolution.

We hereby declare that all the information and statements made in this Proposal are true and accept that any misinterpretation contained in it may lead to our disqualification. Our Proposal is binding upon us.

We understand you are not bound to accept any Bid you receive.

\_\_\_\_\_  
Yours Sincerely,

Authorized Signature [In full and initials]:

Name and Title of Signatory:

Name and address of Firm:

Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

**Form 2: Firm Details**

1.	<p><b>Title and name of the Project:</b></p> <p><b>Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC.</b></p>
2.	<p>State the structure of the Bidder's organization (Bidders to complete/delete as appropriate) Sole Bidder/Consortium</p>
3.	<p>For Bidders who are individual companies or firms, state the following: Name of Company or firm: ..... Legal status: (e.g. incorporated private company, proprietorship, etc.) ..... Registered address: ..... Year of incorporation..... Principal place of business: ..... Contact person: ..... Contact person's title: ..... Address, telephone, facsimile number and e-mail ID of contact person: ..... ..... .....</p>
4.	<p>Employees Provident Fund No. (attach documentary proof) -</p>
5.	<p>Employees State Insurance Acts in India No. (attach documentary proof) -</p>
6.	<p>GST Registration No. (attach documentary proof) -</p>
7.	<p>PAN (attach documentary proof) -</p>

Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

**Form 3: Capability Statement**

It is Compulsory for the bidder to fill this statement and the bidder must upload those document that support this statement

Tender Reference No : \_\_\_\_\_

Name of Work : \_\_\_\_\_

Name of Bidder: \_\_\_\_\_

<b>S.No.</b>	<b>ELIGIBILITY CRITERIA</b>	<b>(To be filled by the Bidder)</b>
1	The Bidder should be Sole proprietorship/ partnership firm/ public limited company/ private limited company.	Yes/ No
2	<p>The Bidder should have completed in India during last <b>7 (Seven) years</b> period ending last day of month previous to the one in which the bids are invited should be either of the following:</p> <ol style="list-style-type: none"> <li>1. One order of similar nature of value not less than <b>Rs. 52.68 Lakh</b> (Rupees Fifty Two Lakh Sixty Eight Thousand only) or</li> <li>2. Two orders of similar nature of value not less than <b>Rs. 32.93 Lakh</b> (Rupees Thirty Two Lakh Ninety Three Thousand only) each or</li> <li>3. Three orders of similar nature of value not less than <b>Rs. 26.34 Lakh</b> (Rupees Twenty Six Lakh Thirty Four Thousand only) each</li> </ol> <p><b>Similar work</b> for this contract shall be "Supply installation testing and commissioning of LT Panels in Auxiliary Sub-station" in NMRC/ any other Metro Organization/ Central govt./ State govt./PSU's/ Private sector companies. Bidder should be OEM of LT Panels or OEM authorized representative</p>	7 Years

Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

<b>S.No.</b>	<b><u>ELIGIBILITY CRITERIA</u></b>	<b>(To be filled by the Bidder)</b>								
3	The Bidder should have minimum average annual turnover of <b>Rs. 65.85 Lakh</b> (Rupees Sixty Five Lakh Eighty Five Thousand only) in the last 3 (three) Financial Years (2022-23, 2023-24, 2024-25) preceding the Bid Due Date.	<table border="1"> <tr> <td data-bbox="694 347 869 414">FY 2024-25</td> <td data-bbox="869 347 1029 414"></td> </tr> <tr> <td data-bbox="694 414 869 481">FY 2023-24</td> <td data-bbox="869 414 1029 481"></td> </tr> <tr> <td data-bbox="694 481 869 548">FY 2022-23</td> <td data-bbox="869 481 1029 548"></td> </tr> <tr> <td data-bbox="694 548 869 616">Total</td> <td data-bbox="869 548 1029 616"></td> </tr> </table>	FY 2024-25		FY 2023-24		FY 2022-23		Total	
FY 2024-25										
FY 2023-24										
FY 2022-23										
Total										
4.	The Profit of bidder before tax during any of the financial year should be positive during immediately preceding 3 financial years.	<table border="1"> <tr> <td data-bbox="694 638 869 705">FY 2024-25</td> <td data-bbox="869 638 1029 705"></td> </tr> <tr> <td data-bbox="694 705 869 772">FY 2023-24</td> <td data-bbox="869 705 1029 772"></td> </tr> <tr> <td data-bbox="694 772 869 840">FY 2022-23</td> <td data-bbox="869 772 1029 840"></td> </tr> </table>	FY 2024-25		FY 2023-24		FY 2022-23			
FY 2024-25										
FY 2023-24										
FY 2022-23										
5.	The Bidder should not have been blacklisted/ banned/ declared ineligible for corrupt and fraudulent practices by the Government of India/ any State Government/ Government Agency and Supreme court and contracts have been terminated/ foreclosed by any company / department due to non- fulfillment of Contractual obligation in last 5 (five) financial years.									

**Form 4: Work Experience**

The following format shall be used for statement of experience of Bidder:

SN	Similar Contract description	Contract Identification Number	Award date & Completion date	Employer's Name, address, telephone number, e-mail etc	Role in contract		If in JV/consortium then % participation	Completion cost	Value of similar work in completed work
					Individual	JV/ Consortium			
1									
2									
3									
4									
Add required number of rows									

**Authorized signatory**

**Name:**

**Date:**

**Name of the Bidder with seal**

**NOTE:**

1. Only the value of contract as executed by the applicant/member in his own name should be indicated. 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
2. The tenderer shall upload details of work executed by them in the prescribed format for the works to be considered for qualification of work experience criteria. Documentary proof such as completion certificates from the client clearly indicating the nature/scope of work, actual completion cost and actual date of completion for such work should be uploaded. In case work is executed for private client documentary proof such as copy of work order, Bill of quantities, Bill wise details of payment received certified by CA, TDS certificates for all the payments received, copy of final/ last bill paid by the client should be uploaded. The offers submitted without this documentary proof will not be evaluated.
3. Value of successfully completed portion of any ongoing work up to the last day of the previous month of tender submission will also be considered for qualification of work experience criteria.
4. For completed works, value of work done shall be updated to the last day of the previous month of tender submission 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.
5. 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. This is to be substantiated with documentary evidence.
6. If the above work(s) comprise(s) other works also, then client's certificate clearly indicating the amount of work done in respect of the "similar work" shall be furnished by the tenderer in support of work experience along-with their tender submissions.

**Form 5: Financial Capability Details**

Bidder should submit their financial details as per the following:

This is to certify that the Average Annual Turnover of M/s

.....  
 having registered office at .....

....., as applicable, is as below:

1.

S.No.	Financial year	Name of the Bidder	Turnover from Similar Work
1.	2022-23		
2.	2023-24		
3.	2024-25		
	Average Annual Turnover		

2.

S.No.	Financial year	Name of the Bidder	Profit before tax
1.	2022-23		
2.	2023-24		
3.	2024-25		

**Certificate of the Chartered Accountants/Statutory Auditors**

Based on Audited Accounts and other relevant documents of \_\_\_\_\_ (Name of Bidder), we M/s \_\_\_\_\_, Chartered Accountants/ Statutory Auditors, certify that the above information pertaining to FY 2022-23, FY 2023-24 and FY 2024-25 is correct.

Signature and Seal of  
 Chartered Accountants/Statutory Auditors  
 (with membership no.)

**Authorised Signatory  
 (Name & Designation of Authorised Signatory)**

*In case the Financial Statements for the latest financial year are not audited and therefore the Bidder cannot make it available, the Bidder shall give an undertaking to this effect and the statutory auditor/charted accountant shall certify the same. In such a case, the Bidder shall provide the Audited Financial Statements for 2 (two) years preceding the year for which the Audited Financial Statement is not being provided. Also, pertaining to latest financial year, the bidder shall submit an affidavit certifying that "The Annual Accounts have not been audited so far. We are submitting the CA certified provisional accounts, which shall be substantiated by the Audited Accounts, when prepared."*

**NOTE:**

1. All such documents reflect the financial data of the bidder and not that of sister or parent company.
2. The financial data in above prescribed format shall be certified by CA/ Company Auditor under his signature and stamp in original along with membership no.
3. The Bidder shall provide the audited annual financial statements as required.

Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

**Form 6: Memorandum**

**Name of Work: *Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC.***

I/We agree to keep the quoted rate open for acceptance for 180 days from the due date of submission thereof and not make any modification in its terms and conditions.

I/We hereby declare that I/We shall treat the quotation documents, drawings and other records connected with the works as secret/ confidential documents and shall not communicate information derived there from to any person other than the information in any manner prejudicial to the safety of NMRC.

\_\_\_\_\_  
Signature of the bidder with seal

Dated:

Witness:

Address:

Occupation

**Form 7: Undertaking**

I confirm that We (Tenderer), \_\_\_\_\_

- a. Have not been banned /declared ineligible for corrupt and fraudulent practices by any government/government-undertaking/ semi-government/ govt. controlled institutions, any court of law having jurisdiction in India for the past 5 (five) years.
- b. Do not have any pending litigation & non-performing contracts during last 5 (five) years. Further, has not been barred by any government/government-undertaking/ semi-government/ govt. controlled institutions
- c. Have not abandoned any work in last 5 (five) years.
- d. Have not delayed in similar work completion during orders executed in last 5 (five) years.
- e. Do not ever been terminated due to poor performance.
- f. Have not suffered Bankruptcy/ insolvency in last 5 (five) years.
- g. Have not been blacklisted/ debarred by any organization during last 5 (five) years.
- h. Have not been be involved in any illegal activity and/or has not been charge sheeted for any criminal act during the last 5 (five) years.
- i. Have not submitted any misleading information in the Bid.
- j. Are financially sound to perform the work.

**Authorized**

**signatory Name:**

**Date:**

**Name of the Bidder with seal**

Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

**Form 8: Power of Attorney**

**(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution.)**

**Power of Attorney to be provided by the Bidding Company in favour of its representative as evidence of authorized signatory's authority.**

Know all men by these presents, We .....(name and address of the registered office of the Bidding Company) do hereby constitute, appoint and authorize Mr./Ms.....(name and residential address) who is presently employed with us and holding the position of , as our Attorney to do in our name and our behalf all or any of the acts, deeds or things necessary or incidental to submission of our Bid for **Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC** in response to the RFP Document dated issued by Noida Metro Rail Corporation ("NMRC" or "the Corporation"), including signing and submission of the Bid and all other documents related to the Bid, including but not limited to undertakings, letters, certificates, acceptances, clarifications, guarantees or any other document which the Corporation may require us to submit. The aforesaid Attorney is further authorized for making representations to the NMRC or any other authority, and providing information / responses to the NMRC, representing us in all matters before the NMRC, and generally dealing with the Corporation in all matters in connection with our Bid till the completion of the bidding process as per the terms of the RFP Document and further till the Contract is entered into with the NMRC and thereafter till the expiry of the Contract.

We hereby agree to ratify all acts, deeds and things done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall be binding on us and shall always be deemed to have been done by us.

All the terms used herein but not defined shall have the meaning ascribed to such terms under the RFP Document.

Signed by the within named  
.....[Insert the name of the  
executant company] through the hand of  
Mr. ....  
duly authorized by the Board to issue such  
Power of Attorney Dated this  
..... day of .....

Accepted  
.....  
.....  
Signature of  
Attorney  
(Name, designation and address of the Attorney)

Attested  
.....  
.....  
(Signature of the  
executant)  
(Name, designation and address of the executant)

.....  
Signature and stamp of Notary of the place of execution

Common seal of..... has been affixed in my/our presence pursuant to Board of Director's Resolution dated.....

Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

WITNESS

1.

.....  
.....  
(Signature)  
Name .....

Designation.....

2.

.....  
.....  
(Signature)  
Name .....

Designation.....

Notes:

- (1) The mode of execution of the power of attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and the same should be under common seal of the executants affixed in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the power of attorney shall be duly authorized by the executant(s) in this regard.
- (2) In the event, power of attorney has been executed outside India, the same needs to be duly notarized by a notary public of the jurisdiction where it is executed.
- (3) Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a board resolution / power of attorney, in favour of the person executing this power of attorney for delegation of power hereunder on behalf of the executant(s).

**Form 9: Salable Form for Tender Document**

**DETAILS OF BID PROCESSING FEE**

Job No. ....

The required fee of tender form has been deposited in \_\_\_\_\_ Bank A/c No. \_\_\_\_\_ RTGS/NEFT and the scanned copy of UTR receipt with Transaction Id is being enclosed with E-tender documents. If the copy of UTR receipt is not uploaded with the E-tender the tender shall be rejected.

**DETAILS OF EARNEST MONEY ATTACHED**

The required amount of Earnest money has been deposited in \_\_\_\_\_ Bank A/c No. \_\_\_\_\_ RTGS/NEFT and the scanned copy of UTR receipt with transaction Id is being enclosed with E-tender documents. If the copy of UTR receipt is not uploaded with the E-tender the tender shall be rejected.

BIDDER



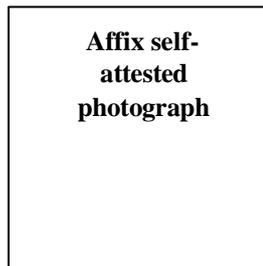
**Form 11: Undertaking pertaining to Personnel**

- We confirm to deploy personnel required to achieve progress of work as per approved construction of work program and conditions mentioned in the tender document.
- The contractor shall deploy resources as per the mentioned minimum requirement in the tender and also confirm to deploy manpower over and above the minimum numbers indicated above, if the work requires so.
- These minimum resources are as per the requirements of the various activities at different stages of works. All resources need not to be mobilised simultaneously, resources as per the requirement of various stages of works shall be mobilised in accordance with the instructions of the Engineer. The decision of the Engineer shall be final and bonding.
- The performance of project personal deployed will be evaluated periodically by Employer during the contract period. In case the performance of any of the personnel is not satisfactory, the contractor shall replace them with good personnel immediately as per the directions of the Engineer.

**Date:**

**Signature with Stamp/Seal**

**Form 12: Proposed Personnel**



**NAME** : .....

**FATHER'S NAME** : .....

**DATE OF BIRTH** : .....

**PERMANENT ADDRESS** : .....

.....

**RESIDENTIAL ADDRESS** : .....

.....

**MARITAL STATUS** : .....

**EDUCATIONAL QUALIFICATION** : .....

**TECHNICAL QUALIFICATION** : .....

**EXPERIENCE** : .....

**LANGUAGE KNOWN** : .....

**NATIONALITY** : .....

**CATEGORY** : .....

**DATE:** .....

**PLACE:** .....



**SIGNATURE**

(To be filled by contractor)

**Attested by authorised person:**

**Note:** A staffing schedule containing the names, qualifications, professional experience and corporate affiliation of all proposed management personnel (above the level of shift supervisor) and specialists for this work. The submission shall include a provisional management structure and organisation chart showing areas of responsibility, relative seniorities and lines of reporting. The proposed staffing plan shall be in conformity with the "Section 4 – Personnel" of tender document.

**Form 13: Obligation/ Compliance to be ensured by Contractor**

Sl. No.	Items	Compliance of Contractor (To be filled by contractor)	
		Yes	No
1	License for employing contract labour		
2	Compliance of minimum wages Act by payment of wage on 7th of every month through Bank or in the presence of nominated representative of employer (NMRC Supervisor/manager)		
3 (a)	Compliance of provision of ESI & EPF Act		
3 (b)	Ensure treatment in ESI hospital in case of accident/injuries suffered in performance of work and compensation under ESI Act.		
4	Send Accident report to Regional Labour Commissioner (RLC) & ESI authorities.		
5	Observance of working hours, weekly rest and overtime payments as per minimum wages Act-1948.		

Note: - A Non- filling or "No" by contractor will lead to non-eligibility for contractor in further tendering process.

S.N	Description	Reference Clause	Requirement
i	Latest "date for commencement" of the Works	Clause 8.1 of the GCC	Date given in NOA or Employer's Notice to Proceed
ii	Liquidated Damages	Clause 8.5 of the GCC	(i) 0.015% of contract price per day of delay in completion of whole work. (ii) Total maximum limit of LD including sums payable by the employer to designated contractors is 15% as mentioned in GCC.
iii	Insurance for workers/ employees	Clause 15.4 of the GCC	All of the contractor's employees shall have to be covered under ESI and ECA as per Special conditions of contract.
iv	Insurance cover for Contractor's All Risk and other requirements as specified in the GCC	Clause 15 of the GCC	<b>100%</b> of the Total Contract Price.
v	Amount of Third Party Insurance	Clause 15.3 of the GCC	INR 0.75 Million for any one incident, with no. of incidents unlimited.
vi	Period in which all insurances have to be effected	Clause 15.5 of the GCC	Within 1 week from the "date of commencement"

Signature of authorized signatory of Tenderer

Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

**Form 14: Performa for Clarifications / Amendments on the RFP**

<b>Sl. No.</b>	<b>Document</b>	<b>Clause No. and Existing Provision</b>	<b>Clarification required</b>	<b>Suggested Text for the Amendment</b>	<b>Rationale for the Clarification or Amendment</b>

**Authorized signatory**

**Name:**

**Date:**

**Name of the Bidder with seal**



Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

**Certificate of the Chartered Accountants / Company Auditor**

We, M/s \_\_\_\_\_, Chartered Accountants/ Company Auditors, certify that the above information is correct.

Name of Chartered Accountants / Company Auditor

Signature and Seal of Chartered Accountants/ Company Auditor

Membership Number & UDIN No. of Chartered Accountants/ Company Auditor

**Authorised Signatory**

**(Name & Designation of Authorised Signatory)**

**NOTE:**

1. The financial data in above prescribed format shall be certified by Chartered Accountant/ Company Auditor in original under his signature & stamp along with audited financial statements
2. Value of existing commitments for on-going works during period of 12 months w.e.f. from the first day of the month of tender submission has to be uploaded by the tenderer in Form. These data shall be certified by the Chartered Accountant with his stamp and signature in original with membership number.

Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

**Form 16: Bid Offer/ BOQ**

To

GM/Technical  
Noida Metro Rail Corporation (NMRC) Limited  
Block-III, 3<sup>rd</sup> Floor, Ganga Shopping Complex  
Noida -201301,  
District GautamBudh Nagar, Uttar Pradesh

***THIS FORM IS NOT TO BE FILLED. THE BIDDERS ARE REQUIRED TO FILL THE FINANCIAL PROPOSAL IN XLS FORMAT AFTER DOWNLOADING THE FORM FROM THE E-PROCUREMENT WEBSITE FOR THIS TENDER DOCUMENT***

**Sub: Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC.**

Dear Sir,

I/we have read and examined the RFP document, general terms and conditions.

I/we hereby quote for the Total Price for Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC specified below, payable by NMRC.

S. No.	Description	Total Amount in Rs.	Amount in Words
1	Estimated value of work	65,85,200.00	(Rupees Sixty Five Lakh Eighty Five Thousands Two Hundred only)

S.N.	Quoted amount (Rs.)	
1	In words	
	In figures	
2	Rebate in % (percentage) if any	
	In words	
	In figures	

Signature and Name of the Authorized Person

NAME OF THE BIDDER AND SEAL

Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

**BOQ/PRICE SCHEDULE**

**Tender Inviting Authority- Noida Metro Rail Corporation (NMRC) Ltd.**

**Name of Work-** Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC.

**Contract No- :** NMRC/Traction/PSI/MDB/LT/437/2026

**Bidder Name:-**

**GENERAL DESCRIPTION:**

a) The contractor shall submit the design documents for SITC work of LV Panel such as wiring drawing and other relevant certificates. The Installation clearance shall be given after approval of design documents.

S.N.	ITEMS REQUIRED FOR MDB	MAKE	Unit	Qty.	Rate	Amount
<b>PART-A</b>						
<b>1.0</b>	<b>Supply of following items compatible with the existing ACB M/s ABB make model no. 'E1N_PR122LSIG+ PR120' (630A, 50kA, FP,EDO) Electrically operated drawout type air circuit breaker complete with microprocessor based release having variable range of O/C, S/C,UVR and E/F protection &amp; RS-485 port &amp; display.</b>					
<b>a</b>	Supply of 230V AC shunt trip coil	Compatible with ABB breaker	No.	7		
<b>b</b>	Supply of 230 V AC closing coil		No.	7		
<b>c</b>	Supply of 230V under voltage release		No.	7		
<b>d</b>	230V AC, spring charged motor with mechanism		No.	2		
<b>e</b>	1 C/O trip contact		No.	5		
<b>f</b>	LCD Display		No.	2		
<b>g</b>	Auxiliary contact		No.	3		
<b>h</b>	Service contact Block		No.	3		
<b>i</b>	RS- 485 port MOD- Bus		No.	2		
<b>j</b>	Current transformer (CTR-600/5A, CL-1, 15VA Cast Resin)		(common for ABB & Schneider both)	No.	6	
<b>2.0</b>	Supply of following items compatible with the existing ACB M/s SCHNEIDER make model no. 'MASTERPACT-NW08H13P' (630A, 50kA, FP,EDO)					

Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC

	Electrically operated drawout type air circuit breaker complete with microprocessor based release having variable range of O/C, S/C,UVR and E/F protection & RS-485 port & display.					
<b>a</b>	Supply of 230V AC shunt trip release	Compatible with SCHNEIDER breaker	No.	5		
<b>b</b>	Supply of 230 V AC closing coil		No.	5		
<b>c</b>	Supply of 415V AC under voltage release		No.	5		
<b>d</b>	230V AC, spring charged motor		No.	1		
<b>e</b>	Fault trip contact		No.	5		
<b>f</b>	LCD Display		No.	1		
<b>g</b>	Aux Switch with 2NO + 2NC contacts		No.	2		
<b>h</b>	Ready to close contact		No.	2		
<b>i</b>	ACB test position Switch		No.	2		
<b>j</b>	ACB Service position Switch		No.	2		
<b>k</b>	RS- 485 port MOD- Bus		No.	1		
<b>l</b>	Current transformer (CTR-600/5A, CL-5P10, 15VA Cast Resin) type-WPL		No.	3		
<b>3.0</b>	Visit pertaining to breakdown related to MDB and other associated panel in ASS/RSS. (Visit charge shall as per activity, material shall be provided by employer) Visit shall be preferred in night shift.		Job	24		
<b>4.0</b>	Maintenance of ACB	(ABB & Schneider make)	Job	72		
<b>5.0</b>	Testing of release	(ABB & Schneider make)	Job	48		
<b>6.0</b>	Supply of Adjustable trolley for breaker maintenance	(ABB & Schneider make)	No.	1		
<b>7.0</b>	SMPS compatible with ACB of 800 Amp, 415 V ACB	230V AC/24V DC, 6.5A	No.	5		
<b>8.0</b>	Calibration and testing of Multifunction meter (MFM) CL-1, CTR-/5A, 15VA	230V AC, RS-485 port	Job	16		
<b>9.0</b>	Supply of Electronic coil module of different modules of ABB contactor					

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<b>a.</b>	AF265-40-00,400A		No.	20		
<b>b.</b>	AF190-40-00,230V AC With 2NO+2NC, 250A		No.	2		
<b>c.</b>	AF116-40-00, 230V AC With 2NO+2NC, 160A		No.	5		
<b>10.0</b>	<b>General</b>					
<b>a</b>	The BOQ specified below include the latest relevant standards, specifications, drawing details, etc. and the bidder/ contractor is required to go through all stated above as referred in tender document while quoting the rates. All the samples/ material intended to be used in the works shall be subject to approval of the Employer's representative before supply.					
<b>b</b>	Bus Bar Sizing calculations shall be submitted for approval to Employer or his representative.					
<b>c</b>	The price shall include the supply, installation, testing & commissioning at site of all equipment, ancillary materials as specified and all such items what so ever required to fulfil the intent and purpose as laid down in the specifications and / or drawings .					
<b>d</b>	All items shall confirm to IS/ IEC/ BS/ NBC as per approval of Employer's representatives.					
<b>10.1</b>	<b>Switchboard/Panel</b>					
<b>10.1.1</b>	Supply, installation, testing & commissioning of front operated front access cubical type indoor duty floor / wall / recess/ surface mounting, totally enclosed dust and vermin proof (minimum protection IP 54) panels with neoprene gaskets, fabricated from CRCA sheets with powder coated finish (minimum thickness 80 micron)					

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	<p>suitable for 415 ±10% volts 3 phase 4 wire 50±3% Hz system to withstand symmetrical fault level of 50/ 35/25 KA for 1 sec at 415 V including interconnections, bonding to earth etc. and flush doors conforming to relevant IEC (viz. IEC 61439-1&amp;2) standard including the earth leakage protection complete as per specification &amp; drawings as required and as given below. All internal wiring in the panels shall be carried out using FRLSH wires.</p>					
10.1.2	<p>All panel shall be form 4b/ type5. The Switchboards shall be provided with aluminium detachable gland plates for entry of cables from the top as per Specifications.</p>					
10.1.3	<p>All live accessible parts shall be shrouded and all equipment shall be finger touch proof. SMC/ DMC shrouds and busbars supports suitably spaced shall be used. Hinged doors shall be provided on all outgoing feeders with switch handles lockable in OFF position.</p>					
10.1.4	<p>The panel shall have High conductivity, High Strength <b>Copper</b> busbars with bar type feeder connections, spacers etc. and neutral busbar shall be of 100% capacity. Busbar spreader shall have full contact with lugs of cable.</p>					
10.1.5	<p>Earthing all components, frame etc. to a common internal earth bar of minimum size 50 x 6 mm Aluminium bar</p>					
10.1.6	<p>All accessories &amp; supporting structures such as channels, 100mm. ISMC base</p>					

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	frame, mounting brackets, lifting lugs, panel heaters arrangement etc. as required.					
<b>10.1.7</b>	Each incomer and outgoing feeder shall be provided with LED status indication lamps suitable for 230 V, AC as approved					
<b>10.1.8</b>	The makes of components and accessories shall, to the extent practically feasible, be same for panels and boards for uniformity, standardisation and replaceability and shall be applicable to all panels/ boards under the scope of work.					
<b>10.1.9</b>	Switchboard including interconnections, labelling, earthing & erection etc. complete as required.					
<b>10.1.10</b>	All MCCBs shall be current limiting type microprocessor based, rated for requisite specified Service short circuit breaking capacity ( $I_{cs}$ ) suitable for isolation conforming to latest IEC60947-2 duly marked on MCCB, at operating voltage ( $U_e$ ) of 415 V, insulation voltage ( $U_i$ ) 750 V and with trip free mechanism, handle indicating ON, OFF, tripped position. The breaking capacity as mentioned shall be $I_{cs}$ values. MCCB's for Network / Feeder Protection shall have releases with inbuilt Earth Fault protection feature, wherever and as indicated in Bill of Quantities or Drawings. TP MCCBs with inbuilt earth fault protection shall be provided with heavy duty solid neutral link and neutral CT's.					
<b>10.1.11</b>	MCCBs shall be compact					

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	(As approved by Engineer-in-charge), suitably designed to provide protection of motors, cables, busbars to suit rated current, unbalanced power distribution as required and with front adjustable overload, short circuit and minimum electrical endurance shall be as per IEC 60947-2 clause no. 7.2.4.2 & table no.8.					
<b>10.1.12</b>	MCBs shall conform to IEC60898/ IS 8828 (latest) and, with breaking capacity 10 kA at 415 V AC, current limiting type lower powerloss appx 40%-70% of the stipulated value and suitable for magnetic releases operating between 3 to 5 times rated current for normal power distribution application and 5 to 10 times rated current for motor application duty, with minimum Electrical endurance shall be as per IEC60898.					
<b>10.1.13</b>	Panel/ board design shall be compact and components / accessories of compact sizes be used to economise the room space available. Employer reserve the right to seek compact items inplace of larger ones					
<b>10.1.14</b>	All incomer ACB's shall be provided with minimum 2 NO + 2 NC auxiliary contacts and all MCCBs (wherever required) shall be provided with 2 NO + 2 NC auxiliary contacts, and there should be provision to add min. 6 Auxiliary contacts.					
<b>10.1.15</b>	All 4-pole ACBs shall have fully rated neutral pole					
<b>10.1.16</b>	The panels shall be fitted with Clean Agent based					

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	panel flooding system. Scheme of Clean Agent based panel flooding system shall be got approved by Engineer-in-charge before proceeding with manufacturing and assembly. The holes arrangement shall be coordinated with Gas flooding system vendor/manufacturer.					
10.1.17	All incoming and outgoing MCCBs shall have minimum ON, OFF & Trip. Phase indication (Red, Yellow, Blue) shall be used for incoming feeders only					
10.1.18	Incomming & all outgoing feeders shall be provided Energy meter as per PVVNL guideline with necessary Circuit MCBs and suitable size CTs.					
10.1.19	All Panel and DBs shall have Surge protection device in Incoming feeders with suitable circuit breaker.					
10.1.20	All hinged door shall be earthed through minimum 2.5 sqmm braided copper wire.					
10.1.21	All parameters as defined below shall be 415 ± 10% volt, 50 ± 3% Hz, 3 Phase, 4 wire System.					
10.1.22	<b>Various panels/ boards as given below:</b>					
<b>Sr. No.</b>	<b>ITEMS REQUIRED FOR MDB (PD Activity)</b>	<b>MAKE</b>	<b>Unit</b>	<b>Quantity of items required</b>	<b>Rate</b>	<b>Amount</b>
11.0	PD-DB-1 for Sec-51 Station		No.s	1		
	<b>Incomer</b>					
11.1	1 no. 1600 A, 415V, 50kA, 4P draw out Electrically operated Motorised ACB complete with:					
11.1.a	1- set Red, Green and Amber for ON, OFF, TRIP & Spring Charge indicating lamps					
11.1.b	1- set of three phase indicating lamps (Red, Yellow, Blue)					

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11.1.c	TNC switch with key spring return					
11.1.d	4 nos. cast resin current transformers of 1600/5 ratio with energy meter as per PVVNL guideline					
11.1.e	Lockable Emergency Stop Push button with contact					
11.1.f	Microprocessor based release having variable range of overcurrent, short circuit, UVR and earth fault protection with time log facility for each of the fault for achieving discrimination along with distinct fault indication through LED's. Release shall be self powered, true RMS current, Internal fault indications, Overload & Earth fault indications etc.					
11.1.g	230 V AC shunt trip coil					
11.1.h	230 V, AC Motor wound spring closing mechanism					
11.1.i	Surge protection device with MCB as required.					
11.1.j	Terminals to receive alum. XLPE armoured cables					
11.1.k	Auto/Local/Remote selector switch with key					
	<b>BUSBAR</b>					
11.2	Electrolytic high conductivity <b>Copper</b> three phase and neutral busbars rated at 1600 A as per specification, suitable to with stand symmetrical fault level of 50 kA at 415 V. The neutral busbar shall be of 100% capacity.					
	<b>Outgoings</b>					
11.3	2 no. 630 A, 415V, 50kA, 4P draw out Electrically operated motorised ACB complete with:					
11.3.a	TNC switch with key spring return					
11.3.b	1- set Red, Green and Amber for ON, OFF, TRIP & Spring Charge indicating lamps					
11.3.c	3 nos. cast resin multi ratio current transformers of 630/5 ratio with 5 VA					

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	Burden & Class 1 for metering					
11.3.d	Microprocessor based release having variable range of overcurrent, short circuit, UVR and earth fault protection with time log facility for each of the fault for achieving discrimination along with distinct fault indication through LED's. Release shall be self powered, true RMS current, Internal fault indications, Overload & Earth fault indications etc.					
11.3.e	230 V AC shunt trip coil					
11.3.f	230 V, AC Motor wound spring closing mechanism					
11.3.g	Terminals to receive alum. XLPE armoured cables					
11.3.h	Auto/Local/Remote selector switch with key					
11.3.2	1nos. 400 A, 415V, Ics= 35 kA, 4P MCCB's with variable overcurrent , short circuit & Earth Fault Protection with 3 nos. cast resin multi ratio current transformers of 400/5 ratio with 5 VA Burden & Class 1 for metering (as per PVVNL guidelines)					
11.3.3	2 nos. 250 A, 415V, Ics= 35 kA, 4P MCCB's with variable overcurrent , short circuit & Earth Fault Protection.3 nos. cast resin multi ratio current transformers of 250/5 ratio with 5 VA Burden & Class 1 for metering					
11.4	<b>Clean Agent based Gas Flooding System for Sr.no. 12.0</b>					
12	<b>PD-DB-2 for Sec-83 Stations</b>		No.s	1		
	<b>Incomer</b>					
12.1	1 no. 800 A, 415V, 50kA, 4P draw out Electrically operated ACB complete with:					
12.1.a	1- set Red, Green and Amber for ON, OFF, TRIP & Spring Charge indicating lamps					

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12.1.b	1- set of three phase indicating lamps (Red, Yellow, Blue)					
12.1.c	TNC switch with key spring return					
12.1.d	4 nos. cast resin current transformers of 800/5 ratio with 5 VA Burden & Class 0.5S for metering as per PVVNL guidelines.					
12.1.e	Lockable Emergency Stop Push button with contact					
12.1.f	Microprocessor based release having variable range of overcurrent, short circuit, UVR and earth fault protection with time log facility for each of the fault for achieving discrimination along with distinct fault indication through LED's. Release shall be self powered, true RMS current, Internal fault indications, Overload & Earth fault indications etc.					
12.1.g	230 V AC shunt trip coil					
12.1.h	230 V, AC Motor wound spring closing mechanism					
12.1.i	Surge protection device with MCB as required.					
12.1.j	Terminals to receive alum. XLPE armoured cables					
12.1.k	Auto/Local/Remote selector switch with key					
	<b>Busbar</b>					
12.2	Electrolytic high conductivity <b>Copper</b> three phase and neutral busbars rated at 800 A as per specification, suitable to with stand symmetrical fault level of 50KA at 415 V. The neutral busbar shall be of 100% capacity.					
	<b>Outgoings</b>					
12.3	1 nos. 400 A, 415V, Ics= 35 kA, 4P MCCB's with variable overcurrent , short circuit & Earth Fault Protection.with 3 nos. cast resin multi ratio current transformers of 400/5 ratio and energy					

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	meter as per PVVNL guidelines.					
12.3.1	4 nos. 250 A, 415V, Ics= 35 kA, 4P MCCB's with variable overcurrent , short circuit & Earth Fault Protection with 3 nos. cast resin multi ratio current transformers of 250/5 ratio with energy meter as per PVVNL guideline.					
12.3.2	3 nos. for 160 A, 415V, Ics= 35 kA, 4P MCCB's with variable overcurrent, short circuit & Earth Fault Protection with 3 nos. cast resin multi ratio current transformers of 160/5 with energy meter as per PVVNL guideline.					
12.4	<b>Clean Agent based Gas Flooding System for Sr.no. 13.0</b>					
	<b>Cabling</b>					
13	Supply, laying, testing and commissioning of 1100 V grade, armoured, FRLSH, PVC sheathed, XLPE, Aluminium (Al) Conductor cables on existing trays/ walls/ columns / indoor / trenches including the cost of GI supports with suitable GI clamps, GI saddles, GI hooks, GI bolts etc. and including proper dressing of cables with UV resistant cable ties, markers, providing identification tags, earthing of glands armouring etc. complete as per specifications, as required and as below.		length	50metre		
	<b>3.5 core 300 sq mm Al Conductor</b>					
	<b>Cable termination</b>					
14	Cable termination as per item 14 - including cost of supplying and fixing, Crimping lugs(Al or Bimetallic suitable for Cu as required), double compression brass glands, insulation tape etc. complete as per specifications and as required. Termination at					

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	one end of cable with all cores will be treated as one termination i.e. if the cables with all cores terminated at both ends it will be treated as 2 terminations. Termination should consist of bimetallic material where one side is copper an other side is Aluminium so that Aluminum cable can be terminated at copper bus bar.					
	<b>3.5 core 300 sq mm Al Conductor</b>					
14.1	<b>For Al cable to Cu busbar (Panel)</b>		No.	6		
14.2	<b>For Al cable to Al busbar ( Dry type transformer)</b>		No.	6		
	<b>Cable Trays</b>					
15	<b>Supply &amp; installation of Prefabricated, perforated GI cable trays continuously connected including horizontal and vertical bends, reducers, tees, coupling plate and nut bolts, washers &amp; all material required for installation i.e Tie Rods, GI angles, Channels, earth link etc, conforming to Technical Specifications, complete as required. (With Double Reverse flange - Heavy duty) Note : Hot Dipped Galvanised Iron (HDGI) suspenders and necessary anchor fasteners or any other fabricated item of any size as approved is included in this item and shall not be paid separately</b>					
	400 mm wide x 50 mm deep		length	20metre		
	<b>Total amount</b>					
	<b>Total amount including GST</b>					

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**Please Note:**

**The Bidder with the lowest quoted cost for “Supply of Spare Parts of MDB/LT Panels along with SITC of Panels at Sec-51 and Sec-83 of NMRC” (L1 bidder) shall be selected for the award of contract.**

**The Bidder shall be required to quote the percentage in the BOQ.**

**It will be deemed to include Duties, Taxes, GST Octroi, Royalty etc., cost of all plants, labour, supervision, materials, transport, all temporary works, erection, maintenance, utility identification, contractor’s profit and establishment/ overheads, together with preparation of design and drawings, all general risks, insurance liabilities, compliance of labour laws and obligations set out or implied in the contracts.**

**The payment will be made on actual basis for the work executed.**

**The Contractor may raise their ‘On Account’ payments on quarterly basis as per the status of work on the last day of the respective month.**

**The Financial Bid submitted is unconditional and fulfils all the requirements of the Tender Document.**

**We have completely read and understood the Bid Document. The Financial Tender submitted is unconditional and fulfils all the requirements of the Tender Document.**

**Our Financial Proposal shall be binding upon us subject to the modifications resulting from contract negotiations, up to expiration of the validity period of the Proposal. We understand you are not bound to accept any Proposal you receive.**

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Signature and Name of the Authorized Person

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NAME OF THE BIDDER AND SEAL

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**Form 17: Bid Details**

The following list is intended to help the tenderers in submitting offer which are complete. An incomplete offer is liable to be rejected. Tenderers are advised to go through the list carefully and take necessary action.

S.No.	Particulars	Attached Yes / No / Not Applicable	Page no. (Mandatory)
1	Bid Processing Fees		
2	Earnest Money Deposit		
3	Form 1: Letter of Proposal Submission		
4	Form 2: Firm details		
5	Form 3: Capability Statement		
6	Form 4: Work Experience		
7	Form 5: Financial Capability Details		
8	Form 6: Memorandum		
9	Form 7: Undertaking		
10	Form 8: Power of Attorney		
11	Form 9: Salable Form for Tender Document		
12	Form 10: Declaration of Refund of Earnest Money		
13	Form 11: Undertaking pertaining to Personnel		
14	Form 12: Proposed Personnel		
15	Form 13: Obligation/ Compliance to be ensured by Contractor		
16	Form 14: Performa for Clarifications / Amendments on the RFP		
17	Form 15: Bid Capacity Information		
18	Form 16: Bid Offer/ BOQ		
19	Type test report of LT Panels as per IEC-61439.		
20	Certificate of OEM or OEM authorized representative.		
21	Statutory proof of existence as the legal entity		
22	Work Order/ Signed Contracts/ Completion Certificates, clearly indicating the value and nature of experiences		
23	A copy of the Audited balance sheets and Profit and Loss Statements for the last 3 (three) financial years		
24	Self attested copy of ITR for the last 3 (three) financial years		
25	Copy of PAN		
26	Self attested copy of GST registration certificate, EPF, ESI		
27	Valid Electrical Contractor License		
28	Any other document asked by the Corporation if submitted, specify the documents Or Any other document which the Bidder considers relevant		