



BIDDING DOCUMENT

Name of Work:

Supply, Installation, Testing, and Commissioning of a New LT MCC Panel for the Intake Pump House, LTPS, APGCL.

NATIONAL COMPETITIVE BIDDING

(e-Procurement)

Tender No.: APGCL/CGM (Gen)/2026-27/ LTPS/LT MCC Panel-Water Intake /09

Issued by:

The Chief General Manager (Generation),
Assam Power Generation Corporation Limited
3rd Floor, Bijulee Bhawan, Paltan Bazar, Guwahati-781001

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SECTION-I

1. NOTICE INVITING TENDER (NIT)

Assam Power Generation Corporation Limited
3rd Floor, Bijulee Bhawan, Paltan Bazar, Guwahati-781001
Website: - www.apgcl.org

Notice Inviting Bids

Tender Ref. No. APGCL/CGM (Gen)/2026-27/ LTPS/LT MCC Panel-Water Intake /09

- (i) The Chief General Manager (Generation) APGCL hereby invites online Bids from eligible Bidders following two-bid system of bidding for "Supply, Installation, Testing, and Commissioning of a New LT MCC Panel for the Intake Pump House, LTPS, APGCL".
- (ii) Open Competitive Bidding method shall be followed for selection of most preferred bidder for the tendered Item(s).
- (iii) The Bidding Documents can be downloaded by any prospective bidders from the Procurement portal i.e., <http://assamtenders.gov.in>, free of cost.
- (iv) All Bids must be accompanied by **Bid Processing Fee of Rs. 1,940.00 (Rupees One Thousand Nine Hundred Forty only)** and **Bid Security (EMD) of Rs. 1,94,000.00 (Rupees One Lakh Ninety-Four Thousand only)**.
No Exemptions to Bid Security (EMD) is allowed in this Tender.
- (v) Bids must be submitted online on the e-Procurement portal (i.e., <http://assamtenders.gov.in>) on or before the due date for submission i.e., up to **12:00 Hrs. of 17/07/2026**.
- (vi) The Technical Bid will be opened online at **16:00 Hrs. on 21/07/2026**. and the Price Bid shall be opened online only for the technical qualified bidders. **(The date of opening of the price bid shall be intimated later on the Portal).**

Chief General Manager (Gen)
APGCL, Bijulee Bhawan, Guwahati-1

SECTION-II

2. INSTRUCTION TO BIDDERS (ITB)

(Note: The Terms – ‘Bidder’, ‘Contractor’, ‘Supplier’ has been used interchangeably in this document.)

2.1 Introduction

- 2.1.1 Assam Power Generation Corporation Ltd. (APGCL) is a state GENCO operating in the state of Assam and with the vision of availability of reliable and quality power at competitive rates and on a sustainable basis.

APGCL has various gas based thermal power plants as well as hydro power plants. The Thermal Power Plants of APGCL are Lakwa Thermal Power Station, located in the District of Charaideo and Namrup Thermal Power Station, located in the District of Dibrugarh in the State of Assam. The various Hydro Plants of APGCL are Karbi Langpi Hydro Electric Power Project and Myntriang Small Hydro Electric Project, both located in the District of Karbi Anglong in the State of Assam. In addition, there are a few hydro and solar projects in pipeline/under construction of APGCL.

- 2.1.2 The Procuring Entity (i.e., APGCL) has issued this Bidding Document for the supply of goods and services as specified in “**Section IV- Schedule of Requirement**” in connection with the notice inviting tenders from the eligible bidders.
- 2.1.3 This Section provides the relevant information as well as instructions to assist prospective bidders in preparation and submission of bids. It also includes the mode and procedure to be adopted by the Procuring Entity (APGCL) for receipt and opening as well as scrutiny and evaluation of bids and subsequent placement of award of contract.
- 2.1.4 Before preparing and submitting the bids (Technical & Price) online at the e-Procurement portal in the prescribed manner, the bidder should read and examine all the terms and conditions, instructions, etc., contained in this Bidding Document. Failure to provide the required information or to comply with the instructions incorporated in this Bidding Document may result in rejection of bid.
- 2.1.5 The Bidder shall bear all costs and expenditure incurred and/or to be incurred by it in connection with its bid including preparation, mailing and submission of its bid and subsequently processing the same. The Procuring Entity shall, in no case be responsible or liable for any such cost, expenditure, etc., regardless of the conduct or outcome of the bidding process.

2.2 Language of Bids

Bid submitted by the Bidder and all subsequent correspondences and documents relating to the bid exchanged between the Bidder and the Procuring Entity (APGCL), shall be written in English language. However, the language of any printed literature furnished by the bidder in connection with its bid may be written in any other language, provided the same is accompanied by a self-certified English translation and, for purposes of interpretation of the bid, the English translation shall prevail.

2.3 Code of Integrity

- 2.3.1 The Procuring Entity (APGCL) and all its officials or employees, whether involved in the procurement process or otherwise, or bidders and their representatives or consultants or service providers participating in a procurement process or other persons involved, directly or indirectly in any way in a procurement process shall maintain an unimpeachable standard of integrity.

2.3.2 Govt. of Assam prescribes to uphold the Code of Integrity, which prohibits officials or employees of a Procuring Entity or any person(s) participating in the bidding process, as bidder or otherwise, the following:

- (i) any offer, solicitation or acceptance of any bribe, reward or gift or any material benefit, either directly or indirectly, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process;
- (ii) any omission, including a misrepresentation that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- (iii) any collusion, bid rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process;
- (iv) improper use of information shared between the procuring entity and the bidders with an intent to gain unfair advantage in the procurement process or for personal gain;
- (v) any financial or business transactions between the bidder and any officer or employee of the Procuring Entity, who are directly or indirectly related to the tender or execution process of contract;
- (vi) any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- (vii) any obstruction of any investigation or audit of a procurement process;
- (viii) making false declaration or providing false information for participation in
 - a) tender process or to secure a contract;
 - b) disclosure of Conflict of Interest;
 - c) disclosure by the bidder of any previous transgressions with any entity in India or any other country during the last three years or of any debarment by any other Procuring Entity.

2.3.3 In case of any breach of the Code of Integrity by a bidder or a prospective bidder, as the case may be, the TIA (Tender Inviting Authority)/APGCL after giving a reasonable opportunity of being heard, may take appropriate measures including –

- (i) exclusion of the bidder from the procurement process;
- (ii) calling off pre-contract negotiations and forfeiture or encashment of bid security;
- (iii) forfeiture or encashment of any other security or bond relating to procurement;
- (iv) recovery of payments made by the Tender Inviting Entity (APGCL) along with interest thereon at bank rate;
- (v) cancellation of the relevant contract and recovery of compensation for loss incurred by it;
- (vi) Initiate available legal actions available under different laws in India.
- (vii) debarment of the bidder from participation in any tender issued by the Procuring Entity (APGCL) for a period not exceeding three years.

2.4 Conflict of Interest

2.4.1 Conflict of Interest for a Procuring Entity or its personnel (i.e., officials or employees) and bidders is a situation in which a party has interests that could improperly influence that performance of its duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.

2.4.2 Govt. of Assam describes the situations in which a Procuring Entity or its personnel maybe considered to be in a situation of Conflict of Interest include, but are not limited to the following-

- (i) Conflict of Interest occurs when the private interests of a Procuring Entity or its personnel, such as personal, non-official, extra-professional or other relationships or personal financial assets, interfere or appear to interfere with the proper performance of its professional functions or obligations as a procurement official.
- (ii) within the procurement environment, a Conflict of Interest may arise in connection with such private interests as personal investments and assets, political or other social activities and affiliations while in the service of the Procuring Entity, employment after retirement from service or of relatives or the receipt of a gift that may place the Procuring Entity or its personnel in a position of obligation;
- (iii) Conflict of Interest also includes the use of assets of the Procuring Entity including human, financial and material assets, or the use of the office of the Procuring Entity or knowledge gained from official functions for private gain or to prejudice the position of someone the Procuring Entity or its personnel does not favour;
- (iv) Conflict of Interest may also arise in situations where the Procuring Entity or any of its personnel is seen to benefit directly or indirectly or allow a third party, including family, friends, or someone they favour, to benefit directly or indirectly from the decision or action of the Procuring Entity.

2.4.3 The situations in which bidders participating in a procurement process or their representatives may be in Conflict of Interest include, but are not limited to the following:

- (i) If they or their personnel or representatives or agents have any relationship or financial or business transactions or interests with any official of the Procuring Entity that are directly or indirectly involved in or related to the procurement process or execution of contract;
- (ii) If they receive or have received any direct or indirect subsidy from any other bidder;
- (iii) If they have the same legal representative for purposes of the bid;
- (iv) If they have a relationship with each other, directly or through common third parties that puts them in a position to have access to information about or influence on the bid of another;
- (v) If they participate in more than one bid in the same bidding process;
- (vi) If they have controlling partners in common;
- (vii) If a bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the subject matter of procurement of the bidding process or were involved in such preparation in anyway.

2.4.4 In case of a holding company having more than one independently manufacturing/processing/producing unit or more than one unit having common business ownership or management, only one unit shall be allowed to submit bid or quote to prevent any Conflict of Interest. Similar restrictions shall apply to closely related sister or subsidiary companies. Such bidders must proactively declare such sister or subsidiary company or common business or management units in similar lines of business.

2.5 Bidders' Eligibility

2.5.1 Bidder shall be a single business entity (or JV/Consortium/Corporation etc.) having a formal intent and legal competency to enter into an agreement or contract.

2.5.2 For further details regarding eligibility criteria, please refer to Clause 3.2.1 of this tender document.

- 2.5.3 Bidder should not have a Conflict of Interest as prescribed and specified in ITB Para 2.4, which materially affects fair competition.
- 2.5.4 In addition, any bidder participating in the bidding process shall–
- (i) Have fulfilled his obligation to pay such of the tax payable to the Central Government or the State Government or any local authority.
 - (ii) not be insolvent, in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended and must not be the subject of legal proceedings for any of the foregoing reasons;
 - (iii) not have, and their directors and officers do not have, been convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter into a procurement contract within a period of three years preceding the commencement of the procurement process, or not have been otherwise disqualified pursuant to debarment proceedings.
 - (iv) not be debarred by any Procuring Entity under the State Government, the Central Government, Autonomous body, Authority by whatever name called under them.

2.6 Bidders' Qualification

- 2.6.1 Bidders should substantially meet the qualification criteria as stipulated in the **"Section III - Evaluation and Qualification Criteria"**.
- 2.6.2 Bidders should fill and submit the Forms provided in **"Section V - Bidding Forms"** with relevant information and supporting evidence of fulfillment of their qualification, along with the technical bid.

BIDDING DOCUMENT

2.7 Content of this Bidding Document

- 2.7.1 The Bidding Documents include the following Sections, which should be read in conjunction with any amendment issued in accordance with ITB Para 2.10.
- | | |
|-------------------|---------------------------------------|
| (i) Section I | Notice Inviting Tender (NIT) |
| (ii) Section II | Instructions to Bidders (ITB) |
| (iii) Section III | Evaluation and Qualification Criteria |
| (iv) Section IV | Schedule of Requirements |
| (v) Section V | Bidding Forms |
| (vi) Section VI | General Terms and Conditions (GTC) |
| (vii) Section VII | Special Terms and Conditions (STC) |
- 2.7.2 Unless downloaded directly from the e-Procurement portal, the Procuring Entity (APGCL) shall not be responsible for the correctness of the Bidding Document, responses to requests for clarification, the Minutes of the Pre-bid meeting, if any, or amendment(s) to the Bidding Documents in accordance with ITB Para 2.10.
- 2.7.3 Bidders are expected to examine all instructions, forms, terms, and specifications in the Bidding Documents and to furnish with its Bid all relevant information and documents as required by the Bidding Documents.

2.8 Clarifications of Bidding Documents

- 2.8.1 A Bidder requiring any clarification of the Bidding Document shall communicate in writing to the Procuring Entity through email with reference to the Bidding Document at the following email Ids:
- abhijit.saha@apgcl.org
 - migom.mili@apgcl.org

The Procuring Entity (APGCL) will respond in writing to any request for clarification, provided that such a request is received well before the end date of bid submission date.

- 2.8.2 The Procuring Entity (APGCL) may also promptly publish a brief description of the enquiry but without identifying its source and its response at the official website/e-Procurement portal.
- 2.8.3 Should the clarification result in changes to the essential elements of the Bidding Documents, the Procuring Entity shall amend the Bidding Documents following the procedure given under ITB Para 2.10.

2.9 Pre-Bid Meeting

Deleted.

2.10 Amendments to Bidding (Tender) Document

- 2.10.1 At any time prior to the due date for submission of bid, the Procuring Entity (APGCL) may amend or modify the Bidding Document by issuing amendment(s) pursuant to ITB Para 2.8 and 2.9 or for any other reason, it deemed fit.
- 2.10.2 Such amendment(s) will be published at the e-Procurement portal and the same shall be binding on all prospective Bidders.
- 2.10.3 To give reasonable time to prospective bidders to take necessary action in preparing their bids, the Procuring Entity (APGCL) may, at its discretion, extend the deadline for the submission of bids and other allied time frames, which are linked with that deadline.
- 2.10.4 Any Bidder who has downloaded the Bidding Documents should check the amendment(s), if any, issued on the Procurement portal. **The Procuring Entity (APGCL) shall not be responsible, in any manner, if any prospective Bidder misses any amendment(s) published on the portal.**

PREPARATION OF BIDS

2.11 Documents Comprising the Technical Bid

- 2.11.1 The bid shall be submitted online in two parts (i.e., Technical Bid & Price Bid) at the e-Procurement portal by the bidder within due date and time. The Technical Bid shall consist of the following documents.
 - i) **"Letter of Bid"** as per Form provided in Section V – Bidding Forms (Form-B1);
 - ii) **"Bidder Information"** as per Form provided in Section V: Bidding Forms (Form-B2);
 - iii) **"Manufacturer's Authorization Letter"**, in case the bidder is not the Manufacturer of the quoted item(s), as per Form given in Section V: Bidding Forms (Form-B3);
 - iv) **"Details of Supply and Work Done by Bidder"** as per format given in Section V: Bidding Form along with supporting documents (Form-B4);
 - v) **"Certificate on Financial Strength"** of the Bidder as per format given in Section V: Bidding Forms (Form-B5);
 - vi) Duly Executed **"Power of Attorney"** for the Authorized Signatory of the Bid as per format given in Section V: Bidding Forms (Form-B6);
 - vii) **"Undertakings by the Bidder"** as per format given in Section V: Bidding Forms (Form-B7)
 - viii) **"Self-Undertaking on Statutory Tax Compliance"** as per format given in Section V: Bidding Forms (Form-B9).
 - ix) **"Bid Processing Fee"** in accordance with ITB Para 2.19;
 - x) **"Bid Security"** furnished in accordance with ITB Para 2.20;
 - xi) Documents establishing **compliance** to the required quality standards of the product offered and of the process followed by the manufacturer in accordance with ITB Para 2.16 and Section-IV: Schedule of Requirements. Technical

Specifications of the Offered Products & Services in compliance with APGCL Bid requirement shall be submitted.

- xii) Bidder's Certificate of Incorporation/ Registration, Article and Memorandum of Association, JV documents, or any such registration document.
- xiii) copy of PAN;
- xiv) copy of GST Registration Certificate.
- xv) Audited Statement of Accounts/Chartered Accountant Certified Financial Documents (Balance Sheet, P&L Statement, Cash Flow Statement) for last three financial years ending on 31/03/2025.
- xvi) **All other documents as per this Bid requirement.**
- xvii) **"Checklist of Documents"** submitted along with the Bid in the Format (Form-B10) as given in Section V: Bidding Forms

NOTE: ALL BIDDER'S DOCUMENTS INCLUDING BID DOCUMENTS, ANNEXURES, FINANCIAL STATEMENTS, DOCUMENTS RELATED TO ELIGIBILITY AND EXPERIENCE, AND ALL OTHER DOCUMENTS SUBMITTED BY BIDDER MUST BE SIGNED/COUNTER-SIGNED ON ALL PAGES BY THE BIDDER'S PERSONNEL AUTHORIZED IN THE POWER OF ATTORNEY DOCUMENT FORM-B6.

Also, all documents submitted by bidder against any request for shortfall document on the portal must be signed and sealed by the competent person as named in the Power of Attorney document Form-B6.

2.12 Price Bid

- 2.12.1 **The blank Price Bid in the form of BoQ should be downloaded from the portal <https://assamtenders.gov.in> and saved on Bidder's computer without changing filename otherwise price bid will not get uploaded.** The Bidder should fill in the details in the same file (BoQ) and upload the same back to the portal. **Hardcopy of Price bid will not be accepted.**
- 2.12.2 **Price Bid (BoQ) must be submitted online (soft copies) only.** The BoQ (excel sheet available in e-procurement portal) is specific to the Bidder and is not interchangeable. The BoQ file shall be downloaded from the e-procurement portal and prices shall be quoted in the respective fields before uploading it. The Price bids submitted in any other formats will be treated as non-responsive and not considered for tabulation and comparison. The BoQ should be submitted online on the portal i.e., <https://assamtenders.gov.in>.
- 2.12.3 Price Bid shall be prepared in accordance with ITB Para 2.14.

2.13 Preparation and Submission of Bid

- 2.13.1 The Bidder shall prepare the Technical Bid comprising of all documents as mentioned in ITB-2.11 and any other document requested or as required as per this tender.
APGCL Bid document along with all documents submitted by the bidder against this APGCL Tender shall be signed & sealed on all pages by the competent person as named in the Power of Attorney document provided in Form-B6. Also, all documents submitted by bidder against any request for shortfall documents on the Portal must be signed and sealed by the competent person as named in the Power of Attorney document provided in Form-B6. Corrections in the bid such as interlineations, erasures, or overwriting shall be valid only if they are duly signed or initialed by the person signing the bid.
- 2.13.2 The Bidder shall submit both Technical and Price Bid **online** at the e-Procurement portal within due date and time for submission.

- 2.13.3 The bidding documents issued by the Procuring Entity in the e-procurement portal (i.e., <https://assamtenders.gov.in>) will appear in the "Latest Active Tender". The Bidders/ Guest users can download the Bidding documents only after the due date & time of issue. The publication of the Bidding Document (i.e., Tender) will be for specific period till the due date for submission of bids after which the same will be removed from the list of "Latest Active Tender".
- 2.13.4 **Portal Registration:** The bidder intending to participate in the bid is required to register in the e-Procurement portal using an active personal/ official e-mail ID as his/her Login ID and attach his/her valid Digital Signature Certificate (DSC) - Class II or III to his/her unique Login ID. He/ She must submit the relevant information as asked for about the bidder. The portal registration of the bidder is to be authenticated by the State Procurement Cell after verification of original valid certificates/documents.
- For further details, the bidder may visit the Assam Tender Portal <https://assamtenders.gov.in>.**
- 2.13.5 The bidder can download the bidding document and undertake the necessary preparatory work and thereafter upload the completed bid at their convenience before due date and time for submission.
- 2.13.6 The bidder can upload **technical bid** in **".pdf"** format.

2.14 Bid Prices

- 2.14.1 The prices quoted by the Bidder in the Price Bid (Price Schedule i.e., BOQ) shall conform to the requirements specified below.
- 2.14.2 **The Bidder must quote for all items in the price schedule (BOQ). No part offer of the tender shall be accepted.**
- 2.14.3 The price quoted by the Bidder shall be fixed (remain Firm) during the Bidder's performance of the Contract and shall not be subject to variation on any account, unless otherwise specified in this Bidding Document. The bid submitted with adjustable price quotation shall be treated as nonresponsive and shall be rejected.
- 2.14.4 **The price offered in the Price Bid (BOQ) for the item(s) shall be based on FOR consignee location/DDP (Place of destination) price. (Any charges against Freight, Transit Insurance, Packing and Forwarding etc. shall be inclusive)**
- 2.14.5 **The price quoted by bidder shall also be inclusive of any charges against loading/unloading, travelling expenses of Contractor's Personnel, boarding & lodging of Contractor's Personnel at site, etc.**
- 2.14.6 The bidder must unconditionally offer in the Bid to supply the goods and services as specified for each item in Section-IV: Schedule of Requirements.

2.15 Bid Currency

- 2.15.1 The bidder should submit its quote in Indian Rupees only.
- 2.15.2 Bids, where prices are quoted in any other currency, shall be treated as non-responsive and rejected.

2.16 Documents Establishing Compliance

- 2.16.1 The Bidder shall furnish as part of its Bid the documentary evidence that the item(s) offered by it **conforms** to the required specifications, quality standard and other criteria as specified in Section-IV: Schedule of Requirements.
- 2.16.2 The documentary evidence may be in the form of literature, drawings, certificate, or data, etc. and shall consist of a detailed item by item description of the essential technical and performance characteristics of the item(s) offered, demonstrating substantial responsiveness of the quality standards & other requirements as per Section-IV: Schedule of Requirements.

2.17 Documents Establishing Eligibility & Qualification of the Bidder

- 2.17.1 To establish their eligibility in accordance with ITB Para 2.5, Bidders shall fill-up and submit all Bidding Forms and submit all requisite documents, etc. as per APGCL requirement.
- 2.17.2 The documentary evidence of the Bidder's qualifications to participate in the bid and own the contract, shall establish to the Bid Evaluation Committee's satisfaction that the Bidder meets each of the qualification criteria specified in Section-III: Evaluation and Qualification Criteria and any other criteria/clause mentioned in APGCL Bid Document.

2.18 Period of Validity of Bids

- 2.18.1 Bids shall remain valid for the period of **180 (one hundred eighty days) counting from the final deadline specified for the submission of bid**. A bid valid for a shorter period shall be rejected as non-responsive.
- 2.18.2 In exceptional circumstances, prior to the expiration of the bid validity period, the Procuring Entity may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. A Bidder may refuse the request without forfeiting its Bid Security.
- 2.18.3 The Bidder who agrees to the extension of the period of validity of bids so requested by the Procuring Entity (APGCL) shall also extend the period of validity of bid securities submitted by them or submit new bid security to cover the extended period of validity of their bids. A bidder whose bid security is not extended, or new bid securities not submitted shall be considered to have refused the request to extend the period of validity of its bids and rejected as non-responsive. The decision of the Procuring Entity will be final and binding in this regard.

2.19 Bid Processing Fee

- 2.19.1 The Bidder shall furnish as part of its bid, **the Bid Processing Fee (non-refundable), of the amount Rs. 1,940.00 (Rupees One Thousand Nine Hundred Forty only)** which shall be collected online from Bidder during bid submission at <https://assamtenders.gov.in>.

2.20 Bid Security (EMD)

- 2.20.1 The Bidder shall furnish as part of its bid, **a Bid Security (EMD) of Rs. 1,94,000.00 (Rupees One Lakh Ninety-Four Thousand only)** which shall be deposited online during bid submission at <https://assamtenders.gov.in>.
- 2.20.2 The bid security can also be submitted in the form of Bank Guarantee issued by a Scheduled Bank in India.
- (i) If EMD is submitted through BG, the bidder will be required to upload the scan copy of the BG during online Bid submission and the original Hard Copy of the BG should reach APGCL HQ on or before bid opening. **For details regarding submission of EMD through BG, bidders are requested to refer clause 2.20.12.**
- 2.20.3 In case, bid security is submitted in form of Bank Guarantee, it should be submitted using the format provided below in this document. The Bank Guarantee submitted as Bid Security shall be verified and confirmed from the competent authority of the concerning issuing Bank.
- 2.20.4 The Bid Security must remain valid for a period of one year from the start date of online submission of bid.
- 2.20.5 Any bid not accompanied by a Bid Security (EMD) as specified in ITB Para 2.20 shall be rejected as non-responsive.**
- 2.20.6 The Bid Security of unsuccessful bidder (Technically Rejected) shall be released upon completion and declaration of Technical Evaluations of the submitted bids.

- 2.20.7 The Bid Security of unsuccessful bidder (Technically Accepted but is/are not the L1 bidder) shall be released within 30 working days after signing of Agreement and deposit of performance security by the successful bidder.
- 2.20.8 The Bid Security of successful Bidders shall be released within 30 working days upon the successful Bidder's signing the contract and furnishing the Performance Security pursuant to ITB Para 2.33 and ITB Para 2.34.
- 2.20.9 In case Procuring Entity (APGCL) decides to cancel the procurement process, it shall return the bid security of all bidders after the decision to cancel procurement process.
- 2.20.10 The Bid Security of the bidder, who withdraws its bid prior to deadline for submission of bids, in case bid withdrawal is permitted, shall be returned after the opening of the bids.
- 2.20.11 The Bid Security deposited by a Bidder may be forfeited in the following cases:
- i) when the bidder withdraws or modifies its bid after due date for submission.
 - ii) when the bidder does not deposit the required performance security and/or sign the contract within the specified period; and
 - iii) if the bidder breaches any provisions of Code of Integrity prescribed for bidders as per ITB Para 2.3.
- 2.20.12 Instructions to bidder who intends to pay the EMD (bid security) amount of the tender through Bank Guarantee (BG).

For bidders opting for payment of EMD through BG, the bidder shall follow the below steps at online portal <https://assamtenders.gov.in>

- The bidder shall select the EMD exemption option as "**Yes**" and in the following steps shall upload the Scanned BG documents and proceed.
- If the bidder selects the EMD exemption option as "**No**" then the system shall prompt to pay the EMD fees online. There shall be no option to upload the scanned BG document against EMD in which case and the bidder has to pay the EMD online only. This is due to limitation/restriction of the portal. The bidder may not be able to proceed further or revert to the former menu. **Hence for BG payment of EMD, the bidder shall select "YES" option.**
- Since EMD exemption is not given for this tender and due to the limitation/restriction of the portal, the bidder may not be able to proceed with BG as EMD by selecting the "No EMD exemption option" of the portal, **hence, the bidders are advised to proceed by selecting the EMD exemption as "Yes" in case EMD is submitted through BG.**

Address to which the Original BG is to be submitted on or before Bid Opening:

The Deputy General Manager (Procurement),
Assam Power Generation Corporation Ltd.,
3rd Floor, Bijulee Bhawan, Paltan Bazar,
Guwahati-1.

The BG shall be duly pledged in favour of the Chief General Manager (Gen), APGCL and shall be valid for 01 (one) year period from the Start Date of online Bid submission.

No interest shall be payable on such deposits.

Note: The bidder is requested to advice the Bank Guarantee Issuing Bank to comply with the following and ensure to submit, the receipt of the copy of SFMS message as sent by the issuing bank branch, along with the original bank Guarantee in APGCL's tender issuing office:

The Bank Guarantee issued by the Bank must be routed through SFMS platform as per the following details:

- I. MT/IFN760/MT/IFN760 COV for issuing of Bank Guarantee.
- II. MT/IFFN 760/MT/IFN 767 COV for amendment of Bank Guarantee.

The above message/intimation shall be sent through SFMS by the BG issuing bank branch to Axis Bank, Paltan Bazar Branch, A/C no. 375010200007573, IFS code-UTIB0000375, Branch Address- AXIS Bank Ltd, Commercial Building, A.T. Road, Guwahati-781001, India.

BG format for EMD is given as in Section V: Bidding Forms.

Note: No EMD Exemption is provided for this Tender.

OPENING OF BIDS

2.21 Extension of Due Date for Submission of Bids

2.21.1 **Bids must be submitted online (on e-tender portal) within due date and time for submission of bid.**

2.21.2 The date of submission and opening of bids shall not be extended except when–

- i) Sufficient number of bids have not been received within the given time and the Purchase Committee of the Procuring Entity is of the opinion that further bids are likely to be submitted if time is extended; or
- ii) The Bidding Documents are required to be substantially modified because of discussions in pre-bid meeting or otherwise for any other reason and the time for preparations of bids by the prospective bidders appears to be insufficient for which such extension is required.

2.21.3 In cases where the time and date of submission of bids is extended, an amendment to the Bidding Documents shall be issued in accordance with ITB Para 2.10, in which case all rights and obligations of the Procuring Entity and Bidders previously subject to the deadline shall thereafter be subject to the deadline extended.

2.21.4 If the due date for submission of bids is not a working day, the bids shall be opened at the same time and hour on the next working day.

2.21.5 Bidder can withdraw or resubmit an online bid any time prior to the due date and time for submission of Bid (except details of online submission of Bid Security & Processing fee). In case of online resubmission of the bid, the latest submitted bid shall be available for evaluation.

2.22 Opening of Bids

2.22.1 Technical Bids submitted by the Bidders through the e-Procurement portal shall be opened online on the due date for opening of the bid.

EVALUATION AND COMPARISON OF BIDS

2.23 Confidentiality

2.23.1 Information relating to the evaluation of bids including finalization of the list of technically qualified bidders, price comparison and recommendation for award of contract, shall not be disclosed to bidders or any other persons not officially concerned with the bidding process until information on Contract Award is officially communicated to all Bidders.

- 2.23.2 Any effort by a Bidder to influence the officials of the Procuring Entity (APGCL) or its committee in the evaluation or contract award decisions may result in the rejection of its Bid.
- 2.23.3 Notwithstanding ITB Para 2.23.2, from the time of bid opening to the time of Contract Award, if any Bidder wishes to contact the officials of the Procuring Entity (APGCL) on any matter related to the bidding process, it should do so in writing.

2.24 Preliminary Examination of Bids

- 2.24.1 The Bid Evaluation Committee duly constituted by the Procuring Entity (APGCL) shall conduct a preliminary scrutiny of the bids at the beginning to assess the prima-facie responsiveness and record its findings thereof particularly in respect of the following:
- i) That the bid is prepared in the prescribed manner and contains the documents and information as required.
 - ii) the bid is valid for the period, specified in the Bidding Documents.
 - iii) that the bid is accompanied by due Bid Security and Processing Fee.
 - iv) That the bid is unconditional, and that the bidder has agreed to give the required performance security; and
 - v) whether any other conditions specified in the Bidding Documents are fulfilled.

2.25 Clarification of Bids

- 2.25.1 To assist in the examination, evaluation, comparison and qualification of the bids, the Bid Evaluation Committee may, at its discretion, ask any bidder in writing for clarification by a specific date regarding his bid specifically therein that if the bidder does not comply or respond by that date his bid shall be liable to be rejected. The request of the Committee for clarification and the response of the bidder thereto shall be in writing. Depending on the outcome, such bids shall be ignored or considered further.
- 2.25.2 Any clarification submitted by a bidder about his bid that is not in response to a request by the Committee specifically shall not be considered.
- 2.25.3 No substantive change to qualification information or to a submission, including changes aimed at making an unqualified bidder qualified or an unresponsive submission, responsive shall be sought, offered, or permitted under any circumstances.
- 2.25.4 All communication generated as above shall be included in the record of the procurement proceedings.

2.26 Immaterial Non-conformities in Bids

- 2.26.1 The Bid Evaluation Committee may waive non-conformities in the bid that do not constitute a material deviation, reservation or omission and deem the bid to be responsive.
- 2.26.2 The Bid Evaluation Committee may request the bidder to submit necessary information or documents which are historical in nature like audited statements of accounts, tax clearance certificate, PAN, etc. within a reasonable period. Failure of the bidder to comply with the request within the given time shall result in the rejection of its bid.
- 2.26.3 The Bid Evaluation Committee may rectify immaterial non-conformities or omissions based on the information or documentation received from the bidder under ITB Para 2.26.2.

2.27 Determination of Responsiveness

- 2.27.1 The Bid Evaluation Committee constituted by the Procuring Entity shall determine the responsiveness of a bid to the Bidding Documents based on the contents of the bid submitted by the Bidder;

2.27.2 A bid shall be deemed to be substantially responsive if it meets the requirements of the Bidding Documents without any material deviation, reservation, or omission where:

- (a) "deviation" is a departure from the requirements specified in the Bidding Document;
- (b) "reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Documents; and
- (c) "omission" is the failure to submit part or all of the information or documentation required in the bidding documents.

2.27.3 A "material deviation, reservation, or omission" is one that,

(a) If accepted, shall: -

- i) effect in any substantial way the scope, quality, or performance of the subject matter of procurement specified in the Bidding Documents; or
- ii) limit in any substantial way, inconsistent with the Bidding Documents, the rights of the Procuring Entity or the obligation of the Bidder under the proposed contract; or

(b) if rectified shall unfairly affect the competitive position of other Bidders presenting responsive bids.

2.27.4 The Bid Evaluation Committee shall examine the technical aspects of the bid to confirm that all requirements of Bidding Documents have been met without any material deviation, reservation or omission.

2.27.5 The Bid Evaluation Committee shall regard a bid as responsive if it conforms to all requirements set out in the Bidding Documents, or contains minor deviations that do not materially alter or depart from the characteristics, terms, conditions and other requirements set out in the Bidding Documents, that is, there is no material deviation, or if it contains errors or oversights that can be corrected without any change in the substance of the bid;

2.27.6 Bids that are not responsive or contain any material deviation shall be rejected. Bids declared as non-responsive shall be excluded from any further evaluation.

2.28 Non-conformities, Errors, and Omissions.

2.28.1 Provided that a Bid is substantially responsive, the Bid Evaluation Committee may waive any non-conformities in the Bid.

2.28.2 Provided that a bid is substantially responsive, the Bid Evaluation Committee may request that the Bidder submit the necessary information or documentation, within a reasonable period, to rectify nonmaterial, non-conformities or omissions in the bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

2.29 Evaluation and Comparison of Bids.

2.29.1 The Evaluation Committee of the Procuring Entity (APGCL) for Evaluation of this Bid shall use the criteria and methodologies listed in this Clause/document.

2.29.2 The Price Bid of only those bidders who are technically responsive/ qualified shall be opened online for comparative evaluation.

2.29.3 Unless otherwise specified in "Section III: Evaluation and Qualification Criteria", the evaluation shall be done on the total offered price which shall be inclusive of Total Basic Price, Freight, Insurance, Packing and Forwarding, GST etc. The responsive bidder offering lowest **total price** (inclusive of Total Basic Price, Freight, Insurance, Packing and Forwarding, GST etc.) shall be declared L1 (lowest) bidder. In case of tie, the bidder having highest average annual turnover in bid required three years shall be declared as the most preferred bidder.

- 2.29.4 The list of responsive and non-responsive bidder shall be published at the e-Procurement portal i.e., <https://assamtenders.gov.in> along with the reason for non-responsiveness.

2.30 Right to Accept or Reject any or all Bids

- 2.30.1 The Procuring Entity (APGCL) reserves the right to accept or reject any bid, and to cancel/annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the Bidders for which the management of the Procuring Entity shall keep record of clear and logical reasons properly for any such action/recall of bidding process. In case of cancellation / annulment, all bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.

AWARD OF CONTRACT

2.31 Award of Contract

- 2.31.1 Subject to ITB 2.30.1, the contract shall be awarded to the lowest responsive bidder for the tendered item(s) as determined in the manner specified in ITB 2.29.
- 2.31.2 Procuring Entity (APGCL) shall award the tendered work to L1 bidder.
- 2.31.3 In case of a tie between two or more bidders in the price bid, then the bidder having highest average annual turnover amongst them (all L1 bidders) shall be declared as most preferred bidder.

2.32 Notification of Award

- 2.32.1 Prior to the expiration of the period of bid validity, the Procuring Entity (APGCL) shall notify the successful Bidder, in writing, that its Bid has been accepted. The notification letter (called the "Letter of Acceptance") shall specify the price of the goods/works/service that the Procuring Entity (APGCL) will pay the Supplier/Contractor in consideration of timely completion of contracted work (called "the Contract Price"). In addition, the contracted rate quantity to be supplied and scope of work to be carried out by the contracted party shall also be specified. (called "the Contract Qty/Works"). APGCL may also issue a Work Order/Purchase Order thereafter containing details of the Scope of Supply & Work, Price, Terms & Conditions etc.
- 2.32.2 Until a formal Contract is prepared and executed, the Letter of Acceptance/Work Order/Purchase Order shall constitute a binding Contract. In case where a Contract is not executed, the Work Order/Purchase Order shall constitute the final binding of the contract for Contractor to execute and complete.
- 2.32.3 Procurement Entity (APGCL) shall promptly respond in writing to any unsuccessful Bidder who, after notification of award in accordance with ITB Para 2.32.1, requests in writing the grounds on which its bid was not selected.

2.33 Performance Security

- 2.33.1 Within twenty-eight (28) days of the receipt of Letter of Acceptance/Work Order/Purchase Order from the Procuring Entity (APGCL) or before signing of the Contract, whichever is earlier, the successful Bidder, shall furnish the Performance Security in accordance with the General Terms & Condition (GTC).
- 2.33.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. In that event the Procuring Entity (APGCL) may award the Contract to the next lowest evaluated Bidder, whose bid is substantially responsive, provided it agrees to lowest evaluated bid price i.e., L1 price.
- 2.33.3 The validity of the performance security shall be for a period of 45 (forty-five) days beyond the date of completion of all contractual obligations including

warranty and maintenance obligations, if any. All claims under the warranty, etc. shall be preferred to the executants bank up to 6 (six) months from the above mentioned 45 (forty-five) days period.

- 2.33.4 Performance Security Deposit can also be submitted by the Contractor in the form of Fixed Deposit/Demand Draft.

2.34 *Signing of Contract*

- 2.34.1 Promptly after notification of Award/issue of Letter of Acceptance/issue of Work Order, the Procuring Entity may send the successful Bidder the draft Contract Agreement.
- 2.34.2 The successful Bidder shall sign, date, and return the contract to the Procuring Entity (APGCL) within twenty-eight (28) days of receipt of the Letter of Acceptance/Work Order along with required performance security.

SECTION-III

3. *Evaluation and Qualification Criteria*

3.1 *Evaluation Criteria & Methodologies*

3.1.1 Evaluation Criteria

- (i) The Procuring Entity shall use the criteria and methodologies listed in this Section/in this Document to evaluate Bids. By applying the criteria and methodologies, the TEC (Tender Evaluation Committee) shall determine the Most Advantageous Bid for Item/ Schedule/Work. This is the Bid that meets the Qualification Criteria and has been determined to be:
 - a) substantially responsive to the bidding document, and
 - b) the lowest evaluated cost for the item(s) or the Schedule, Works, as the case may be, as per ITB 2.29.
- (ii) The determination of bidder quoting lowest cost shall be based on the comparison of evaluated total bid price carried out on "Delivery Duty Paid (DDP) consignee site basis", quoted by substantially responsive bidders and shall be inclusive of all P&F, Freight, Insurance, loading/unloading charges, travelling charges, boarding, lodging, fooding charges, GST, any other tax/duties, etc. **That is, L1 bidder shall be the one who quoted the lowest total price inclusive of all cost components including GST in the BoQ (i.e., Price Bid) of the tender.**

3.2 *Qualification Criteria*

3.2.1 Eligibility Criteria

- (i) The bidder shall be a Manufacturer of the LT MCC Panels or their authorized dealer/channel partner/distributor. In case bidder is Authorized dealer/channel partner/distributor, such authorized bidder has to submit valid authorization certificate from the manufacturer of the LT MCC Panels as per Form B3 format.
- (ii) Statutory Documents providing details of the LT MCC panel manufacturer including Factory Address details, etc. must also be enclosed in the technical bid.

3.2.2 Required Minimum Experience

- (i) The bidder should have experience of executing at least 01 (one) no. work of supply, installation, testing and commissioning of LT MCC panels in state/central

PSU or State/Central Govt. dept. or Private organization during last 07 (seven) years period.

(ii) Bidders shall submit relevant documents in support of their experience along with their technical bid. Such documents should include:

- a) work order copy and work completion report/performance report of the submitted work order issued by Client of the bidder.

Note:

- Any adverse remark on the performance of the bidder, quality of material supplied by bidder/quality of work executed by bidder, failure to meet work schedule by the bidder, etc. received from any Client of the bidder may be considered as ground for disqualification of the bidder from this tender.
- **Calculation Period: The past 07-year period shall be calculated from the date of Order up to the start date of online bid submission for this tender.**

3.2.3 Financial Standing

- (i) The Bidder must have an average annual Turnover of at least **Rs. 97.00 Lakhs** (Rupees Ninety-Seven Lakhs only) and positive Net Worth during the 03 (three) Financial Year, FY 2022-23, 2023-24 & 2024-25.
- (ii) In this regard, a certified copy from the Chartered Accountant or Audited Financial Report should be submitted by the bidder along with his technical bid.
- (iii) The certified copy must be accompanied by relevant financial documents viz. – Balance Sheet, Profit & Loss Statement, **ITR**, etc. of the 03 (three) financial year, FY 2022-23, 2023-24 & 2024-25, Or Audited Financial Report for FY 2022-23, 2023-24 & 2024-25 to be submitted.

SECTION-IV

4. Schedule of Requirements:

4.1 Scope of Work: Supply, Installation, Testing, and Commissioning of a New LT MCC Panel for the Intake Pump House, LTPS, APGCL.

4.1.1 Introduction:

APGCL intends to upgrade the existing old and ageing LT MCC panel at water intake of Lakwa Thermal Power Station (LTPS) with a new MCC panel. The newly supplied system shall be a complete replacement for the old panel. The details of the requirement are described below in this document.

4.1.2 Scope of Work of the Bidder:

Sl. No.	Description	Quantity
1	<u>Supply Part:</u> Design, Manufacture and Supply of new LT MCC Panel consisting of multiple feeder and bus coupler panel as per specification provided.	1 No.
2	<u>Service Part:</u> Dismantling of the Existing Panel.	1 Job.
3	<u>Service Part:</u> Installation, Testing and Commissioning of the newly supplied LT MCC Panel along with supply & installation of required accessories viz lugs, cable glands, etc. as mentioned in technical specifications given below.	1 Job.

Bidder Responsibilities

The bidder should note the following:

(i) Tools, Tackles & Manpower

The bidder shall arrange all necessary tools, tackles, and skilled and unskilled manpower at their own cost and risk for carrying out the works.

(ii) Testing Equipment

All testing equipment required for performing the necessary tests shall be arranged by the bidder at their own cost.

Note:

The bidder shall also be responsible for arranging the required power supply during installation and testing, as no power will be available at site during that period.

(iii) Site Visit requirement prior to submission of bids:

It shall be the sole responsibility of the intending bidder to thoroughly understand the scope of work related to the replacement of the existing MCC panel with a new MCC panel.

- a. **The switchboard shall be supplied with a foundation base frame as part of the MCC to install the MCC in the Sub-station. The MCC shall be designed to fit in the existing cut-out. Vendor to make a site visit to measure the existing foundation base frame at site.**
- b. The proposed MCC shall be installed in the existing substations after dismantling of the old panels. Vendors are advised to take the measurement of available space based on the dimensions of the existing panels in the substations before finalizing the GA drawing for the offered new MCCs.
- c. Vendor shall make a site visit for taking the complete dimensional details for the existing Panel & understanding of Protection & control schemes to design the offered MCC accordingly

Failure of the bidder to visit the site and to fully acquaint themselves with the scope of work, existing site conditions, and all related requirements shall be entirely at the bidder's own risk and cost. No claim whatsoever on this account shall be entertained at any later stage.

In this regard, the bidder shall be required to submit a Site Visit Report, duly and jointly signed by the bidder's authorized representative and APGCL site representative, along with the Technical Bid.

4.1.3 Technical Specifications for MCC Panel**1. SCOPE**

This standard covers the technical requirements of design, manufacture, testing at works and delivery in well-packed condition of Low Voltage Switchboards (MCC).

This standard shall be applicable for the Motor Control Centre.

This standard shall be read in conjunction with relevant Specification Sheets, Feeder details, Schematic diagrams etc.

2. STANDARDS TO BE FOLLOWED

The design, manufacture and testing of the equipment shall comply with the latest issue of the following Indian Standards, unless otherwise Specified. Equipment complying with equivalent IEC standards shall also be acceptable.

IS: 8623	Specification for low voltage switchgear and control gear assemblies
IS: 439 Part-I	Low Voltage Switchgear and Control Gear Assemblies
IS: 2147	Degree of protection provided for enclosures
IS: 5082	Aluminium alloy Bars for Electrical purpose
IS: 1897	Copper strips for electrical purpose
IS: 2032	Graphical symbols
IS: 60947	Contactors utilization categories
IS: 6005	Phosphate Treatment of Iron and Steel
IS: 61439	Design ambient 45 degree centigrade & temperature rise
IS: 13947	Low-voltage switchgear and control gear (General rates).

IS: 5578	Guide for marking of insulated conductors.
IS: 10118	Code of practice for selection, installation and maintenance of switchgear and control Gear
IS: 11353	Guide for uniform system of marking and identification of conductors and apparatus terminals.

Various components housed in the Switchboard (MCC) shall conform to the Indian Standard specifications as mentioned against the component details or IEC specifications.

The design and operational features of all the equipment offered shall also comply with the provisions of the latest issue of the Indian Electricity Rules and other Statutory Acts and Regulations, as applicable. The supplier shall, wherever necessary, make suitable modifications in the equipment to comply with the above.

Wherever any requirement, laid down in this standard, differs from that in Indian Standard Specification / IEC Specification, the requirement specified herein shall prevail.

3. SERVICE CONDITIONS

3.1 Ambient Conditions

Ambient Temperature:	45 Degree Centigrade Max.
Relative Humidity :	100% Maximum
Location :	Indoor

3.2 System Details

Rated Voltage :	415Volts
Rated Frequency :	50Hz
Insulation Level :	1100Volts
System Earthing :	Solidly Earthed
No. of Phase :	Three Phase Four Wire

4. OPERATING REQUIREMENTS

The Low Voltage Switchboard (MCC)s shall be suitable for operating at the specified rating continuously, with the specified voltage and frequency variations under the ambient conditions indicated in Specification Sheet, without exceeding the permissible temperature rise and without any detrimental effect on any part.

5. DESIGN AND CONSTRUCTIONAL FEATURES

General

The Switchboard (MCC)s shall consist of an assembly of a series of floor mounting, identical, metal clad, dead front type sheet steel panels of unitized design. The panels shall be placed side by side to form a compact assembly and shall be extensible on either side.

The complete assembly shall be dust, damp and vermin proof having minimum, degree of protection equivalent to IP-52 as per IS: 13947.

The frame work of the cubicles shall be of bolted/welded construction. The minimum thickness of sheet steel shall be 2 mm for load bearing members, 1.6 mm for non-load bearing members and 3 mm for base channel. The doors and

covers shall be fabricated from cold rolled sheets. Suitable reinforcement, wherever necessary, shall be provided.

The door hinges shall be concealed type.

All external hardware's shall be cadmium plated / SS. The hardware for fixing the removable parts shall be provided with retaining devices.

The doors and the removable covers shall be provided with non-deteriorating neoprene gaskets. Gaskets without any discontinuity shall be preferred. Gaskets shall be held in position in groove, in shaped sheet steel work or these shall be of U type. Adhesive cement, if used, shall be of good quality so that the gaskets do not come off during service.

All the components shall be accessible for inspection, maintenance and replacement without the necessity for removal of the adjacent ones.

The layout of the component inside the module shall be liberal to facilitate maintenance and interconnecting wiring between the components shall not be subjected to any undue stresses at the bends.

Mounting height of components requiring operations and observation shall not be lower than 300 mm and higher than 1800 mm.

Inter panel barriers shall be provided.

All the live parts which are accessible after opening of front cover/cable alley cover/back cover shall be properly insulated or provided with insulating barrier to prevent accidental contact. Removal facility shall be provided for all such parts.

Adequate arrangement for earthing shall be provided to safeguard the operator or other personnel from electric hazards under all conditions of operation. The panel and all components provided shall be compliant for LOTO system.

All cable entries shall be from the bottom side of the panel.

5.1 Panel Arrangement

A general visual check of the existing panel shall be carried out by vendor. This shall cover measurement of overall dimensions, position of feeder, number and type of devices, connection arrangements etc. Vendor has to recheck the actual dimension before finalizing GA of offered MCC.

The Switchboard (MCC) modules shall be in draw out type and divided into distinct panels, each comprising of:

- i) A completely metal enclosed bus-bars compartment running horizontally at the top.
- ii) Individual feeder modules.
- iii) Enclosed vertical bus-bars serving all modules, in case of multi-tier panels
- iv) A vertical cable alley.
- v) Separate horizontal enclosure for all auxiliary power and control buses.

5.2 Circuit Breaker Controlled Feeders

The panels housing circuit breaker feeders shall be in single front draw out execution. The incoming and bus coupler circuit breaker feeders shall be in single

tier formation while the outgoing circuit breaker feeders may be in double tier formation, unless otherwise specified.

A suitable barrier shall be provided between the circuit breaker and the circuit breaker's associated control shall be in separate compartment.

All the protective relays and meters shall be flush mounted type. The relays and meters pertaining to a particular circuit breaker shall be mounted on the same panel. Where it is not possible to accommodate all the relays and meters in the same panel, one metering panel shall be provided adjacent to the circuit breaker panel exclusively for that feeder. Mounting of these in the adjacent panel of other feeders shall not be acceptable.

A spacious cable chamber suitable for accommodation, support and termination of required number of power cables shall be provided at the back. No bare bus-bars or live connection shall intrude into the cabling space.

The Switchboard (MCC) shall be provided with following interlocks and safety features:

- i) It shall not be possible to open the compartment door unless the breaker is drawn to isolated position.
- ii) The withdrawn and engagement of a circuit breaker shall not be possible unless it is in open position.
- iii) The operation of a circuit breaker shall not be possible unless it is in fully service, test or isolated position.
- iv) It shall not be possible to close the circuit breaker in service position unless all auxiliary and control circuits are connected.
- v) Circuit breaker 'ON', 'OFF' indication shall be provided for each panel.
- vi) Caution name plate shall be provided at the back of incomer's panels where terminals are likely to remain live.
- vii) Automatic safety shutter, with Padlocking facility for locking in closed position, to completely cover the spouts for the bus-bars and cable connection when the breaker is withdrawn.

5.3 Switch/MCCB Controlled Feeders

The panels housing motor starter or other feeders shall be draw out type.

All components of one feeder shall be mounted on a rigid sheet steel chassis.

Each panel shall be divided into a number of modules in tier formation placed one above the other. These modules shall be closed on all sides.

The modules shall be so placed that largest one is placed at the bottom of the panel. Type modules shall be at least 300 mm from the base channel.

The number of modules shall be so decided that the cables in the cable alley are not over crowded.

The minimum size of module shall be 300 mm and 200 mm for starter and switch fuse feeders respectively.

The minimum clear width of cable alley shall be 300 mm.

The module door shall be so interlocked that it shall not be possible to open the door with power switch in closed position and close the door unless the module is fully plugged in. Defeat interlock facility shall be provided.

5.4 Special Feature of Draw Out Modules

The module shall be fully draw out type with sheet steel chassis moving freely on the guides. Chassis of the same size shall be fully interchangeable.

The module shall have the following distinct mechanical positions:

- i. Service- In which both power and control contacts shall be made.
- ii. Test- In which power contacts shall be isolated but control contacts shall be made.
- iii. Isolate- In which both power and control contacts shall be Isolated.

Each position shall be clearly marked. Padlocking facility shall be provided to padlock the chassis in any of the position.

The movement of the chassis from one position to the other shall be controlled by using an appropriate racking mechanism. Stopper shall be provided to prevent over travel of the chassis beyond the isolated position.

The guiding system shall permit smooth movement of the module and the power and control contacts shall be self-aligning type so that accurate alignment of the contacts is ensured.

No wiring shall be taken to the door. Only the actuators of the push buttons and switches, lenses for the indicating lamps and Perspex cover for meters shall be mounted on the door.

The power contacts shall be of plug-in/stab-in type made of silver plated copper, spring loaded and of adequate current carrying capacity. The contacts shall be so designed that contact pressure is maintained both under normal and short circuit conditions.

The parting contacts, both on bus-bar side and outgoing cable side, shall always be copper to copper and both sides silver plated. A bimetallic strip shall be used where two dissimilar materials are in contact.

CB ON, CB OFF and CB ISOLATED indication lamps shall be provided on the breaker control panels from safety point of view.

5.5 Bus Bar & Connections

The bus-bars shall be for three phase and neutral. The main bus-bars and connections shall be made of high conductivity Aluminium alloy conforming to grade E 91 E of IS: 5082 of rectangular cross- section. Auxiliary bus-bars for control supply, space heater supply etc. shall be made of electrolytic copper.

The horizontal bus-bars shall be insulated with heat shrinkable PVC sleeves rated for 1KV of reputed make to protect against approach to live parts. The vertical bus- bars shall be sleeved or shrouded by barriers. Removable type insulating shrouds shall be provided for all joints of horizontal bus-bars.

The bus-bars shall be amply sized to carry the rated continuous current under the specified ambient temperature without exceeding temperature limits specified in IS: 8084. The thermal rating of the bus-bars shall be designed to withstand the system fault current for 1 second without exceeding the limiting temperature of

200°C for bare Aluminium. Calculation for bus- bars sizing shall be furnished at the time of detailed engineering.

Horizontal bus-bars shall be of the same cross-section throughout. Stepped bus-bars shall not be acceptable.

The bus-bars shall be arranged and colour coded according to IS: 5578 / IS: 11353.

The bus-bar chamber shall be sufficiently spacious and shall have separate screwed covers for maintenance purpose.

The bus-bars shall be rigidly supported at equal intervals to withstand maximum short circuit stresses. The supports shall be of moulded construction with built-in anti-tracking barriers. The support materials shall be of DMC or fiberglass reinforced thermosetting plastic.

Bus-bar joints shall be between the two transporting sections only.

A minimum of two bolts shall be used in bus-bar joints. Only high tensile electric galvanized bolts, nuts and washers shall be used.

In case of Aluminium bus-bars, all joints shall be suitably treated to avoid oxidation of contact surfaces and bimetallic corrosion.

5.6 Earth Bus

A continuous earth bus of Aluminium, running along the entire length of the lower part of the Switchboard (MCC) shall be provided with lugs at two ends for external connections. The minimum size of earth bus shall be suitable for carrying three phase fault current for 1 sec.

5.7 Clearance & Creepage Distances

The clearances and creep age distances shall not be lower than the values specified below and as per applicable IS:

- | | | |
|------|---|-------|
| i) | Minimum clearance between two live conductor | 40 mm |
| ii) | Minimum clearance between live parts and ground | 40 mm |
| iii) | Minimum creepage distance | 28 mm |

The clearances and creep age, as specified above, shall definitely be maintained in the bus-bar system. Provision of bus-bar insulation, separators or barriers shall not be considered to reduce the clearance from the values specified above.

Any sections of the panel where above clearances & creep age distances are not possible to be maintained, shall be insulated or taped, however application of insulating material/tapes instead of maintaining clearances shall be subjected to approval from the owner.

5.8 Insulation

The insulation used shall be non-hygroscopic and may be of porcelain, epoxy resins or fiberglass molded with plastic. It shall be of adequate electrical, mechanical and thermal strength to give trouble free service during normal operation and short circuit conditions.

The insulation shall be treated suitably to withstand the tropical conditions and atmospheric pollution, as specified in Specification Sheet.

5.9 Power Wiring

The connections from incoming stab-in contact of module to individual functional unit on the modules shall be of flexible Uninyvin cables of Annealed Tinned Copper Conductor, Heat Resistance 105°C Poly Vinyl Chloride (HR-PVC) with Fiber Glass insulation, Nylon Braided Nylon Lacquering or taped Copper/Aluminium strip.

The power wiring size shall be decided based on rating of the switch/breaker after using a rating factor of not more than 50% over the current rating in free air. Uninyvin cable or Copper/Aluminium strip selected shall be of one size higher than the calculated on the basis of this consideration.

In any case minimum size of power wiring shall not be less than Size10 of Uninyvin cable.

The size of connection from incomer to horizontal bus-bar and from horizontal bus-bar to bus- coupler shall not be less than the size adopted for horizontal bus-bar.

5.10 Control Wiring

The Switchboard (MCC) shall be completely factory wired and ready for external connections.

The CT/VT control wiring shall be carried out with flexible stranded FRLS, PVC insulated copper conductor cables of 1100 Volt grade. The size of wires shall be as follows:

C.T. Circuit:	2.5 sq. mm
V.T. and Control Circuits:	1.5 sq. mm

All wiring shall be provided with dependent both ends marking as per IS: 5578. Numbered / printed ferrules, reading from the terminals outwards, shall be provided at both ends of all wiring for easy identification. These shall be interlocking type plastic ferrules.

Control wiring circuits, fed from a single supply, common to a bus section, shall be so protected that failure of a circuit in one section does not affect the operation of the other section.

The wiring to the equipment mounted on the doors shall be carried out with flexible multi strand copper conductor cable and so supported that on opening of the door there is no undue strain on wire leads.

The control cables shall be neatly arranged and property supported.

All control terminals shall be stud and nut type/easy to maintain pin type. 20% extra terminals as spare shall be provided in each of the panels for future provision.

5.11 External Cable Termination

All power and control cables shall enter the Switchboard (MCC) from the bottom side unless otherwise specified. Sufficient space shall be provided for ease of connection and termination of cables.

Compression type cable glands along with the cable lugs as required shall be provided for termination of cables (Bidder shall visit the site for exact estimation before quoting).

The cable glands shall be of rolled Aluminum or nickel/cadmium plated brass heavy duty double compression type and shall be mounted on a removable gland plate, provided at the top of the Switchboard (MCC). Two number spare knockouts of size 20 mm shall also be provided on the gland plates for future use. Gland for termination of single core cables shall be nonmagnetic type. Gland plates shall be with knockouts of different sizes which will be provided during detailed engineering stage. According to the knockouts all suitable gland shall be provided.

For all power cables, crimped type Aluminum lugs for Aluminum cables and tinned Copper lugs for Copper cables shall be provided.

The terminal blocks shall be pressure clamp type up to 35 sq. mm cable sizes and bolted lug type for higher sizes of cables. These shall be protected type and rated for 1100 Volts service. The construction shall be such that after the connection of cables by means of lugs, necessary clearance and creep age distance are available.

Where more than two cables in parallel are required to be terminated, a system of bus links shall be provided with adequate clearance and spacing.

Suitable clamps to support the vertical run of cables shall be provided.

The terminal block shall be grouped according to circuit functions and suitably numbered. 20% extra terminals shall be provided in the terminal block.

For power connections, suitable colored marking on the terminals shall be provided to identify the phases.

5.12 Feeder Details

The requirements of incomer and outgoing feeders is as indicated in the single line diagram, provided below as Annexure-I.

Interlocks shall be provided between incomers and bus section panels. The interlocks shall be either electrical or mechanical type. In addition, arrangement for defeating the interlock shall also be provided to facilitate manual changeover.

Status	I/C-1 ON	B/C ON	I/C-2 OFF	I/C-3 OFF
Status	I/C-2 ON	B/C ON	I/C-1 OFF	I/C-3 OFF
Status	I/C-1 ON	I/C-3 ON	B/C OFF	I/C-2 OFF
Status	I/C-2 ON	I/C-3 ON	B/C OFF	I/C-1 OFF
Status	I/C-3 ON	B/C ON	I/C-1 OFF	I/C-2 OFF

5.13 Control Power Supply

D.C. power required for closing, tripping, and indication of circuit breaker feeders shall be provided through a battery bank, power packs, or any other suitable arrangement. The selected arrangement shall be built into the panel itself and shall provide adequate backup time in the event of an AC power failure.

This D.C. power shall be distributed within the switchboard to each circuit breaker feeder, each equipped with its own MCB unit.

Control supply for all motor feeders shall be fed by MCB and not fuses.
Control supply for all contactor operated feeders shall be taken from 110V AC Bus supply. This supply shall be derived from the TWO phases (i.e., 415V) and stepped down to 110V AC by 415V/110V control transformer of suitable VA rating. There shall be separate control supply for all bus sections.

There shall be arrangement for switching OFF of 110V AC control supply for entire bus section in case of unavailability of 415V AC power supply to the relevant bus section, for more than a predefined time period, due to voltage dip or power failure, etc.

5.14 Space Heater Power Supply

Panel space heaters shall be provided for the whole board. Panel space heater shall be fed from a separate bus common for the whole board.

6. COMPONENT DETAILS

Components of the switchgear shall be suitable for type2 coordination as per IS: 13947.

6.1 Circuit Breaker

The EDO type circuit breakers shall comply with the requirement of IS: 13118. The ACB shall be of SIEMENS/L&T/ABB/SCHNEIDER/GE make only.

All EDO type circuit breakers shall be of P2 (0-3 min - CO - 3 min - CO) category, capable of carrying the specified current at the site conditions and making/breaking of the system fault current.

Type test certificates from an independent testing authority shall be furnished along with the technical bid for each circuit breaker rating and type.

The circuit breakers shall be of the 3 phase-3 pole, 3 phase-4 pole as required, horizontal draw out, horizontal isolation, air break type.

The circuit breaker shall be suitable for electrical and manual closing. All breakers shall have independent manual spring closing mechanism. In case of electrically operated breaker, it shall have motor wound spring mechanism. It shall also be having provision for manual spring charging and manual switching (ON-OFF) operation of breaker. **In all cases tripping shall be by means of shunt trip coil**, unless otherwise specified.

All circuit breaker units of the same rating shall be physically and electrically interchangeable.

The circuit breakers shall be electrically and mechanically trip free and provided with anti- pumping feature.

Provision shall be there for manual spring charging for maintenance purpose. A suitable & integrated handle shall be provided on breaker for this purpose.

The circuit breakers shall have three positions i.e., service, test and isolated with the cubicle door closed. Necessary stoppers shall be provided to prevent the excessive movement of the breaker cradle than desired for the position. Service and test positions of the breaker shall have monitoring switch each having 3NO+3NC contacts.

The circuit breaker shall be provided with emergency manual trip device, Mechanical 'ON', 'OFF' and 'ISOLATED' position indicators and operation counter. Protective safety Cap shall be provided on manual operated ON/ OFF/ Trip buttons/ switches of each circuit breaker.

A maintenance truck/device for raising, lowering and withdrawal of the circuit breaker shall be supplied along the switch board panel.

The arc interrupting devices shall be capable of interrupting satisfactorily current from zero to the rated interrupting current when used on predominantly capacitive or inductive circuits, without requiring excessive maintenance of the contacts. The arc shall be restricted within the interrupting chamber, and no emission of flame shall be allowed which may cause electrical breakdown or damage to insulation on the apparatus.

The main contacts shall be self-aligning, adjustable and replaceable type. The arcing contacts shall be easily accessible for maintenance and inspection and shall be easily replaceable type. They shall be provided with, contact face of special arc-resisting and non-pitting metal.

Mechanical safety interlock shall be provided for safe operation and movement of the breaker.

The circuit breakers shall be provided with minimum of four normally open and four normally closed auxiliary switch contacts, over and above those required for its own control scheme, for Owner's use. The contacts shall be wired separately to the terminal board.

6.2 Moulded Case Circuit Breaker

The circuit breaker shall conform to IS: 13118 and shall be of P2 category having rupturing capacity as specified in Specification Sheet and mounted on a draw out chassis.

Separate Electrical tripping provision shall be provided on all MCCBs. The circuit breaker shall be provided with spring assisted quick make quick break type manually operated trip free mechanism, mechanical 'ON', 'OFF' position indicators, thermal tripping devices of inverse characteristics, instantaneous short circuit tripping devices and necessary auxiliary and alarm switches. The MCCB Chassis shall be provided with service, test and isolated position and automatic safety shutter.

When used for motor circuits, shunt trip device shall be provided and the let through power of controlling MCCB shall be lower than the respective contactor.

The MCCB shall be of SIEMENS/ L&T / ALSTOM / ABB / SCHNEIDER make only.

6.3 Switches

The switches shall be motor duty type AC 23 Category and shall comply with the requirements laid down in IS: 13947. Switches up to 63 Amps shall be rotary type and those of 100 Amps. & above shall Switch Fuse Unit (SFU).

ON' and 'OFF' position of the switches shall be indicated on the module. Provision shall be made to lock the switch in the 'OFF' position.

The fixed contacts shall be shrouded type. All contacts shall be silver plated.

The SFU shall be provided with auxiliary contacts for indication and interlocking purpose.

The switches & SFU shall be of SIEMENS/ L&T / GE/ ABB / SCHNEIDER make only.

All the switches selected for Power and control circuit shall be of one size higher rating than the actual recommended size.

6.4 Fuses

The fuses shall be of non-deteriorating HRC cartridge link type and shall Confirm IS: 13703. They shall be suitable for the load and service required in the circuit. One fuse puller shall be supplied along with each board.

6.5 Air Break Contactors

The Air Break Contactors shall be of Category AC3, unless otherwise specified, conforming to IS: 13947 and flapper type.

The dropout voltage shall not exceed 65% of rated voltage.

Each contactor shall be provided with auxiliary contacts as required. The rating of the auxiliary contacts shall be 5 Amps. AC or 1 Amp DC at the specified control voltages. The spare auxiliary contacts shall also be wired up to the terminal blocks.

The control and power contactors shall be of SIEMENS/ L&T / GE/ ABB / SCHNEIDER make only.

All the contactors selected for Power circuit shall be of one size higher rating than the actual recommended size.

6.6 Bimetal Thermal Overload Relays

The contactor shall be provided with three pole bimetal thermal overload relays, unless other-wise specified. The bimetal relays shall be of suitable range, ambient temperature compensated and shall be separate mounting type. They shall be adjustable through graduated scale and shall be provided with changeover contact. Thermal relays having long time/current characteristics, operated through saturated C.T.s shall be supplied, wherever required.

Bimetal thermal relays shall conform to IS: 3231 and IS: 13947 and shall have built-in single phasing preventer.

The bimetal relays shall be provided with a manual resetting device resettable after opening module door. Auto reset thermal relays are not acceptable.

6.7 Current Transformers

The current transformers shall conform to IS: 2705.

C.T.s shall be Class F insulated and vacuum impregnated or resin cast. The C.T.s shall be rigidly mounted and shall be easily accessible for maintenance and testing.

The short time thermal withstand ratings of C.T.s shall be same as the thermal withstand rating of the breakers.

The C.T.s output shall be minimum 15VA for breaker feeders and 7.5 VA for the other feeders per phase and in any case, the output shall be adequate for the protection and metering duties involved with sufficient margin. The C.T.s shall have the following accuracies for the various applications:

Application Class of accuracy as per IS: 2705

- | | | |
|-----|--------------------------------|----|
| i) | For metering service | 1 |
| ii) | For use with protective relays | 5P |

The C.T. cores for metering and protection shall be separate.

All the C.T.s shall be provided with terminals and shorting links. One of the terminals of the C.T. shall be earthed. The polarity of the C.T.s shall be clearly marked.

Provision of Interposing C.T.s is not acceptable.

The C.T.s shall be capable of withstanding momentary open circuit on the secondary side without injurious effects.

6.8 Voltage Transformers

The V.T.s shall be Class F insulated and vacuum impregnated or resin cast conforming to IS: 3156.

The primary nominal voltage shall be equal to the system nominal voltage. The secondary terminal voltage shall be 110V.

The primary and secondary winding shall be protected by HRC fuses in each phase except in the ground phase of the secondary side.

The V.T.s shall be mounted on separate with drawable carriage. The accuracy Class of V.T.s shall be 1.

The rated output of each V.T. shall be adequate for the relays, meters and associated wiring connected to it and shall not be less than 50 VA per phase.

6.9 Control Supply Transformers

These shall be air cooled Class F insulated and vacuum impregnated. The rating of control transformer shall be twice the hold on VA of all contactor/relays. It shall be free from hum and rigidly mounted. Epoxy cast transformers shall be supplied.

6.10 Protection Relays for Incomers & Bus Couplers

The vendor shall provide all protection relays of numerical type only for the protection of the MCC. However, aux. relays of electromechanical type are acceptable. **The numerical relays shall be of SIEMENS/ L&T / GE/ ABB / SCHNEIDER make only.**

All Auxiliary electro mechanical relays shall conform to IS: 3231 and shall be provided in draw out and dust proof cases and shall be flush mounted type. Auxiliary relays may be fixed type. The relays shall be fully tropicalized.

Mechanical/self-power flag indicators shall be provided for all electro mechanical auxiliary relays, where required. All relays directly tripping the breakers shall be provided with hand reset contacts.

The flag indicator shall be suitable for external hand resetting and shall be mechanically interlocked to prevent it from falling when the relay is subjected to vibration. Access to the setting device shall be possible only after the front covers are removed. Access to resetting device shall be external to the case.

All relays shall be suitably marked as per relevant ISS.

All relays and other protective devices shall be properly coordinated.

The VA burden of all the relays and instruments shall be clearly indicated in Technical Particulars.

All contacts of the relays, whether utilized or not, shall be wired up to the terminal board of the panel.

The relays shall have screwed terminals for CT/PT connections and CT/PT wiring shall be done with min.2.5 sq.mm copper wires using ring tong type lugs.

6.11 Timers

The timers shall be electronic type with manual/auto reset features as per the functional requirements. The time delay shall be 'ON' delay or 'OFF' delay type as specified. The repeat accuracy shall be 0.5% or better.

6.12 Instruments and Meters

All instruments shall be analog flush mounting type with square/round face and shall be tropicalized and dust tight.

The size of the instruments shall be 96 mm x 96 mm for incomer and bus coupler and 72 mm x 72 mm for lower size modules.

Dials shall be parallax free with scale marked in black on white background and shall be suitable for direct reading.

Zero adjusters shall be provided for operation from the front of the cases.

All ammeters and voltmeters shall have 0 - 240° scale and shall be moving iron spring controlled type of Class 1.5 accuracy as per IS: 1248. The scale range of the ammeter and voltmeters shall be as indicated in the feeder details.

In case of motor feeders the ammeter, shall be graduated uniformly up to C.T. primary current and with a compressed end scale up to 6 times the C.T. primary current. Red pointer shall be provided which can be adjusted at site for indicating full load current.

Multi-Function Energy Meter having provision of RS-485 communication port shall only be provided. These shall be C.T. operated. The current coil shall be rated for 5 Amp.

All Incomers shall have Multi-Function Energy meters and shall be provided with test blocks for current as well as voltage coils for testing them at site without interrupting their recording while in service.

6.13 Push Buttons & Control Switches

The switches and push buttons shall conform to utilization category AC11/DC11as per IS: 13947. The contact shall be rated to make, break and carry inductive current of 5 Amp at 415 V AC and 1 Amp at 110 V DC.

The control switches shall be spring return rotary type, unless otherwise specified and provided with pistol grip type handle. The control switches for circuit breakers shall be additionally fitted with lost motion devices and sequencing devices.

The selector switches shall be stay put rotary type and provided with oval shape handles.

The push buttons shall be of momentary contact spring loaded type with a set of normally close and open contacts. The push button for 'Start' shall be shrouded type and coloured green, stop push button shall be un-shrouded type and coloured red and other push buttons shall be un-shrouded type coloured black. The fixing ring shall be metallic white.

The push buttons shall be of momentary contact spring loaded type with a set of normally close and open contacts. The push button for 'Start' shall be shrouded type and coloured green, stop push button shall be un-shrouded type and coloured red and other push buttons shall be un-shrouded type coloured black. The fixing ring shall be metallic white.

Emergency stop push buttons, shall be lockable in pushed position. Protective cap with padlocking arrangement shall be provided for EMG. STOP to safeguard accidental operation of the button.

6.14 Miniature Circuit Breakers

The miniature circuit breakers shall conform to IS: 8828 and shall be of duty category M- 9.

It shall be provided with overload and short circuit protective devices in a heat resistant housing.

A certificate for short circuit rating and Current-Time tripping curve shall be furnished along with the offer.

6.15 LED Type Signal Lamps

LED type Signal lamps shall be provided to indicate the various circuit conditions. The colour of the lamps for various functions shall be as follows.

Red	--	Circuit breaker/switch/contactors closed.
Green	--	Circuit breaker/switch/contactors open.
White	--	Trip circuit healthy.
Amber	--	Alarm and auto trip.
Blue	--	Non-Trip.
Yellow	--	Ready for Start.

All lamps shall be of LED type.

7. ACCESSORIES

Space Heater

Each vertical section shall be provided with a thermostatically controlled space heater, rated for 240 V, 50 Hz and controlled through double pole miniature circuit breaker.

7.1 Name Plates

The switchboard shall have large name plate on the top indicating its Name, Sr. No. Year of manufacturing, Make, Type, Voltage rating, bus-bar current rating, Fault MVA rating and short circuit current rating along with duration.

Each feeder shall be provided with name plate. Each single front panel shall have name plate indicating panel number both in front and back.

All control switches, push buttons, lamps etc. shall have functional identification labels.

Name plate shall be of black Perspex with white engraving and of minimum 3mm thick.

Danger plate with suitable voltage and skull & bone diagram shall be there on the panel as per IS.

Any other accessories required, but not specified, shall also be supplied to make the switchboard complete in all respects and ensure safe and proper operation.

8. PAINTING

The enclosure, after degreasing, pickling in acid, cold rinsing, phosphatizing, passivating etc. shall be painted with two coats of anti-rust paint followed by two coats of anticorrosive paint. Epoxy based paint shall be used.

All paints shall be carefully selected to withstand tropical heat and extremes of weather. The paint shall not scale off, crinkle or be removed by abrasion due to normal handling. Unless otherwise specified, the finishing shade shall be RAL-7032.

9. TESTS AND INSPECTION

The switchboards shall be subjected to routine test as per IS: 8623 and their components as per relevant standards.

All the above tests shall be carried out in presence of Purchaser's representative. In addition, the equipment shall be subjected to stage inspection during process of manufacture at works and site inspection.

These inspections shall however, not absolve the vendor from their responsibility for making good any defect which may be noticed subsequently.

10. SPECIFICATIONS FOR MCC PANEL

BASIC DATA			
SYSTEM DETAILS	Description:		415V MCC
	Rated Voltage with Variation:		415VAC+10 %
	Rated Frequency with Variation:		50 Hz + 3%, -5%
	Highest System Voltage:		1.1KV
	Combined V & F Variation:		±10 %
	No. of Phases & Wires:		3 Ph.+ N, 4Wire
	Insulation Level:		1.1 KV
	Fault Level:		50 KA
BUS BARS	Earthing Mode:		GI Plates
	Rating	Continuous:	1500 A
		Short Time for 1 sec.	50 KA
	Type of Insulation		PVC Heat shrinkable sleeving.
CIRCUIT BREAKER	Type:		Air Circuit Breaker, EDO type
	Breaking Capacity	Symmetrical:	50 KA
	Making Capacity (peak):		140 KA
CONTROL SUPPLY	Closing & Indication:		110 V/220V/240V DC
	Tripping:		110 V/220V/240V DC
	Spring Charging:		110V/230V AC
	Alarm / Signal:		110 V/220V/240V DC
	Space Heater:		110 V/230 V AC
V. T.	Nos		Two Sets on Each Section of the Bus
	Burden		As per requirement
	Ratio		415/√3 / 110/√3
	Connection: Bus / feeder		Yes
	Sec. Wdg. connection		Star
MISC. DATA	Cable Entry:		BOTTOM
	PAINTING	Type:	EPOXY Based
		Shade:	RAL 7032 (SIEMENS Grey)

11. FEEDER DETAILS

Incomer I & II

GENERAL	Feeder Description		Incomer I & II
C. B. / SFU / MCCB	Type		ACB
	Rating (Amp)		1500 A each
	Operating Mechanism		EDO type
CURRENT TRF.	Ratio		As per requirement
	For Metering	Local ammeter	Yes
		Multi-Functional	Yes

	Energy Meter		
	For O/C & E/F		Yes
V. T.	Nos & Burden		As per requirement
	Ratio		--/110 V
	Connection: Bus / feeder		Yes / Yes
	Sec. Wdg. connection		Star
	For U/V Protection		Yes
METERS	Ammeter: Nos & Range		1 each
	Voltmeter: Nos & Range		1 each
	Electronic multifunction meter		Yes
PROTECTIVE RELAY (Numerical relay)	Overcurrent	- IDMTL	Yes
		- High set INST.+DTL	Yes
	Earth Fault	- IDMTL/High set Inst.	Yes
	Under Voltage / Overvoltage		Yes
	Fuse Fail relay		Yes
AUX. RELAY	Tripping Relay (Hand Reset type)	Elect. Fault	Yes
	Trip Ckt. Supervision		Yes
CONTROL SWITCH	Trip - Neutral – Close		Yes
	Emergency Trip		Yes
PUSH BUTTON	Emg. / Close / Trip (T) / Test		Yes
	Alarm Accept (Ac) / Reset (R)		Yes
SIGNAL LAMPS	On (R) / Off (G)/ Ready for service / Ready for test		Yes / Yes / Yes / Yes (Separate for each ACB)
	Trip Ckt. Healthy (W)		Yes
	Breaker ON, OFF, Isolated		Yes
AUX. EQPT.	Annunciator		Yes
	Limit Switch: Service / Test		Yes/ Yes
	Panel Illumination Lamp (LED type)		Yes
	MCB for Motor Space Heater		---
	MCB / Fuse for panel space heater		Yes / Yes
	Industrial Utility socket with FUSE / RCBO		Yes / Yes
	Others as required		Yes
CABLING DATA	Power (1.1kV, XLPE/PVC)		7R X 1C X 630 sq mm FOR BOTH INCOMERS R x C x sq.mm (Al)

Incomer III

GENERAL	Feeder Description		Incomer III (DG Incomer)
C. B. / SFU / MCCB	Type		ACB
	Rating (Amp)		1500 A each
	Operating Mechanism		EDO type
CURRENT TRF.	Ratio		As per requirement
	For Metering	Local ammeter	Yes
		Multi-Functional Energy Meter	Yes

	For O/C & E/F	Yes
V. T.	Nos & Burden	As per requirement
	Ratio	415/√3 / 110/√3
	Connection: Bus / feeder	Yes / Yes
	Sec. Wdg. connection	Star
METERS	Ammeter: Nos & Range	1 each
	Voltmeter: Nos & Range	1 each
	Electronic multifunction meter	Yes
PROTECTIVE RELAY (Numerical relay)	Overcurrent	- IDMTL
		- High set INST.+DTL
	Earth Fault	- IDMTL/High set Inst.
	Under Voltage / Overvoltage	Yes
	Fuse Fail relay	Yes
AUX. RELAY	Tripping Relay (Hand Reset type)	Elect. Fault
	Trip Ckt. Supervision	Yes
CONTROL SWITCH	Trip - Neutral - Close	Yes
	Emergency Trip	Yes
PUSH BUTTON	Emg. / Close / Trip (T) / Test	Yes
	Alarm Accept (Ac) / Reset (R)	Yes
SIGNAL LAMPS	On (R) / Off (G)/ Ready for service / Ready for test	Yes / Yes / Yes / Yes (Separate for each ACB)
	Trip Ckt. Healthy (W)	Yes
	Breaker ON, OFF, Isolated	Yes
AUX. EQPT.	Annunciator	Yes
	Limit Switch: Service / Test	Yes/ Yes
	Panel Illumination Lamp (LED type)	Yes
	MCB for Motor Space Heater	---
	MCB / Fuse for panel space heater	Yes / Yes
	Industrial Utility socket with FUSE / RCBO	Yes / Yes
	Others as required	Yes
CABLING DATA	Power (1.1kV, XLPE/PVC)	3X4CX240sqm + Neutral 1x1CX630sqmm

Bus Coupler

GENERAL	Feeder Description	Bus Coupler
C. B. / SFU / MCCB	Type	ACB
	Rating (Amp)	1500 A each
	Operating Mechanism	EDO type
CONTROL SWITCH	Trip - Neutral - Close / Off-Auto-On	Yes
	Emergency Trip	Yes
PUSH BUTTON	Emg. / Close / Trip (T) / Test	Yes
	Alarm Accept (Ac) / Reset (R)	Yes
SIGNAL LAMPS	On (R) / Off (G)/ Ready for service / Ready for test	Yes / Yes / Yes / Yes (Separate for each ACB)
	Trip Ckt. Healthy (W)	Yes

	Breaker ON, OFF, Isolated	Yes
AUX. EQPT.	Annunciator	Yes
	Limit Switch: Service / Test	Yes/ Yes
	Panel Illumination Lamp (LED type)	Yes
	MCB for Motor Space Heater	Yes
	MCB / Fuse for panel space heater	Yes / Yes
	Industrial Utility socket with FUSE / RCBO	Yes / Yes
	Others as required	Yes

Motor Feeders

GENERAL	Feeder Description		Motor Feeder 1 (M1)	Motor Feeder 2 (M2)	M3	M4	M5
Description of Load			180kW	180kW	180kW	180kW	180kW
C. B. / SFU / MCCB	Type		MCCB	MCCB	MCCB	MCCB	MCCB
	Rating (Amp)		630A	630A	630A	630A	630A
	Operating Mechanism		Rotatory Switch	Rotatory Switch	Rotatory Switch	Rotatory Switch	Rotatory Switch
Motor Starter Type			Star Delta	Star Delta	Star Delta	Star Delta	Star Delta
SFU/Contactors			As per requirement	As per requirement	As per requirement	As per requirement	As per requirement
CURRENT TRF.	Ratio		As per requirement	As per requirement	As per requirement	As per requirement	As per requirement
METERS	Ammeter: Nos & Range		1 each/0- 1000A	1 each/0- 1000A	1 each/0- 1000A	1 each/0- 1000A	1 each/0- 1000A
	Voltmeter: Nos & Range		1 each/0-500V	1 each/0-500V	1 each/0- 500V	1 each/0- 500V	1 each/0- 500V
	Electronic multifunction meter		Yes	Yes	Yes	Yes	Yes
PROTECTIVE RELAY (Numerical relay)	Overcurrent	- IDMTL	Yes	Yes	Yes	Yes	Yes
		- High set INST.+DTL	Yes	Yes	Yes	Yes	Yes
	Earth Fault	- IDMTL/High set Inst.	Yes	Yes	Yes	Yes	Yes
	Loss of Phase		Yes	Yes	Yes	Yes	Yes
	Locked Rotor		Yes	Yes	Yes	Yes	Yes
	Loss of load		Yes	Yes	Yes	Yes	Yes
AUX. RELAY	Tripping Relay (Hand Reset type)	Elect. Fault	Yes	Yes	Yes	Yes	Yes
	Trip Ckt. Supervision		Yes	Yes	Yes	Yes	Yes
CONTROL SWITCH	Trip - Neutral – Close / Off- Auto-On						
	Emergency Trip		Yes	Yes	Yes	Yes	Yes
PUSH BUTTON	Emg. / Close / Trip (T) / Test		Yes	Yes	Yes	Yes	Yes
	Alarm Accept (Ac) / Reset (R)		Yes	Yes	Yes	Yes	Yes
SIGNAL LAMPS	On (R) / Off (G)/ Ready for service / Ready for test		Yes / Yes / Yes / Yes (Separate for each	Yes / Yes / Yes / Yes (Separate for	Yes / Yes / Yes / Yes (Separate for	Yes / Yes / Yes / Yes (Separate for	Yes / Yes / Yes / Yes (Separate for

		FEEDER)	each FEEDER)	each FEEDER)	each FEEDER)	each FEEDER)
	Trip Ckt. Healthy (W)	Yes	Yes	Yes	Yes	Yes
	Breaker ON, OFF, Isolated	Yes	Yes	Yes	Yes	Yes
AUX. EQPT.	Annunciator	Yes	Yes	Yes	Yes	Yes
	Limit Switch: Service / Test	Yes/ Yes	Yes/ Yes	Yes/ Yes	Yes/ Yes	Yes/ Yes
	Panel Illumination Lamp (LED type)	Yes	Yes	Yes	Yes	Yes
	MCB for Motor Space Heater	Yes	Yes	Yes	Yes	Yes
	MCB / Fuse for panel space heater	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
	Industrial Utility socket with FUSE / RCBO	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
	Others as required	Yes	Yes	Yes	Yes	Yes
CABLING DATA	Power (1.1kV, XLPE/PVC)	2x3C x 300 sq. mm (Al)	2x3C x 300 sq. mm (Al)	2x3C x 300 sq.mm (Al)	2x3C x 300 sq. mm (Al)	2x3C x 300 sq. mm (Al)

AUXILIARY FEEDERS

	AUXILIARY FEEDER 1 (AF1)	AUXILIARY FEEDER 2 (AF2)	AUXILIARY FEEDER 3 (AF)	AUXILIARY FEEDER 4 (AF4)
MCB	4P 63A MCB	2P 63A MCB	4P 63A MCB	2P 63A MCB
Signal Lamp	On(R)/Off(G)	On(R)/Off(G)	On(R)/Off(G)	On(R)/Off(G)
Cable	1x3CX25sqmm	1x2CX10sqmm	1x3CX25sqmm	1x2CX10sqmm

12. TECHNICAL SPECIFICATIONS SHEETS (All the Sheets below are to be filled by the bidder and submitted in Technical Bid)

Specifications for ACB

a) General

Sl. No.	Description	Vendor to confirm
1	Breaker shall be draw out type with three positions namely SERVICE, TEST & ISOLATED with limit switches for the same.	
2	The breaker shall have electrical closing and tripping facility in addition to manual Close/ Trip.	
3	Breaker shall be of shunt trip type.	
4	The breaker shall be without any internal microprocessor / thermal / under voltage release.	
5	Breaker shall have self-aligning multifinger silver plated copper contacts.	
6	Guide pins / rollers shall be provided to ensure correct alignment of circuit breaker.	
7	Circuit breaker shall be of single break type with interrupting chamber of proven and robust design.	
8	Separate arc chutes shall be easily removable for inspection of main and arcing contacts.	
9	Automatic safety shutters with padlocking facility shall be provided to cover the plug openings in the stationary frame when the breaker is withdrawn.	
10	Breakers shall be provided with mechanical ON/OFF indicator and separate indication for Energy storing drive.	

11	Breaker shall have manual CLOSE & TRIP push buttons accessible from the front panel door.	
12	Mechanical safety interlock shall be provided to ensure that the Breaker cannot be plug in or withdrawn from service position in closed condition.	
13	Positive Earthing of circuit breaker frame shall be maintained when it is in the connected position and in all other positions in which the isolating shutters are in open position.	
14	Circuit breaker provided with stored energy operating mechanism shall have the following interlocks : a. Breaker shall not close unless the spring is fully charged. b. Shocks, vibrations or failure of springs shall not operate the breaker nor shall prevent intended tripping.	
15	Breaker shall be provided with counter (for counting number of operations of the breaker).	
16	Breaker shall have anti pumping feature to avoid stay put CLOSE command.	
17	Breaker shall confirm to IS 2516 up to latest revision.	

b) Technical Specifications

Sr. No.	Description	Required	Offered
1	System	3 phase, 50 Hz, 4 wire with solidly earthed neutral.	
2	Service	Indoor within panel.	
3	MAKE	SIEMENS/ABB/GE/L & T/SEL	
4	Type	Air Break <i>Without release</i>	
5	No. of poles	Three	
6	Aux. contacts	4NO + 4NC	
7	Rated Current	1500 A	
8	Rated Operating Voltage	415 V +/- 10%	
9	Rated Insulation level for Power circuit	1000 Volts AC	
10	Rated short circuit making capacity	140 kA [peak]	
11	Rated short circuit breaking capacity	55 kA [r.m.s.]	
12	Rated impulse withstand voltage, U _{imp} Main conducting paths Auxiliary circuits	8 Kv 4 Kv	
13	Utilisation Category as per IEC 947-1 & 2	B (Suitable for disconnection)	
14	Rated short time withstand current, I _{cw} for 1 sec at 50/60 Hz	50 [KA]	
15	Permissible service temperature	0°C to + 45 °C	
16	Permissible loading of fixed and draw out circuit breakers with internal cubical temperature. Up to 50 deg. Centi.	1500 A	
17	Endurance Mechanical Operating Cycles Electrical Operating cycles	15,000 10,000	
	Operating volts: -		

18	Closing coil Trip coil	110 V DC/240VDC (satisfactory operation at 85% to 110% of rated voltage) 110 V DC/240VDC (satisfactory operation at 70% to 110% of rated voltage)	
19	Spring charging motor supply	110/230 VAC	
20	Closing Time of the breaker	Vendor to furnish	
21	Tripping time of the breaker	Vendor to furnish	
22	Dimensions & weight of breaker	Vendor to furnish	
23	Millivolt drop for 100 Amp	Vendor to furnish	

Specifications for Numerical Relays

The numerical relays offered shall meet the following specifications. The vendor shall furnish the complete data as required in the specification sheets. The catalogue of the offered relays shall also be submitted along with the offer.

Specifications of Feeder protection Numerical Relay.

Sl. No.	Item/Parameters	Requirements		Offered
1	APPLICATION	FEEDER PROTECTION		Yes / No
2	Make of the Relay	SIEMENS / SEL / SCHNEIDER/ ABB / ALSTOM / GE only.		Yes / No
3	Offered Relay type	To be furnished by bidder		Yes / No
4	Complete model no. of the offered relay	To be furnished by bidder		Yes / No
5	Basic system	Numerical Type		Yes / No
6	Protections required			
	Following min. protections shall be available in the offered relay. However higher version of the relay may be selected as per the application and Scheme requirement of site.	No. of elements (As applicable)	Characteristics	
A	TIME-OVERCURRENT PROTECTION (50, 51)	Min. 02	IDMT + DTL	Yes / No
B	EARTH FAULT PROTECTION	Min. 02	IDMT + DTL	Yes / No
C	UNDER / OVER VOLATAGE (27/59)	Min. 02	IDMT + DTL	Yes / No
D	UNDER/OVER FREQUENCY (81L/81H)	Min. 02		Yes / No
E	LOCKOUT (86)	The output relay contact latching shall also be possible.		Yes / No
G	Trip Ckt. Supervision (52Y)	Required		Yes / No
7	CT secondary	1A		Yes / No
8	PT secondary	110VAC, 50HZ (3Wire)		Yes / No
9	Aux. supply	110 VDC +/- 10%		Yes / No
10	No. of Output relays	Min. 04 + One Relay Healthy contact shall also be available.		Yes / No
11	No. of programmable Digital Inputs	Min. 04 nos.		Yes / No
12	Trip reset	Manual / Auto site settable		Yes / No
13	Indications	Following Min. indications shall be available on the relay,		Yes / No
		1. Relay Healthy.		Yes / No
		2. Protection START & Trip.		Yes / No
14	Display	Large alphanumeric LCD Display with backlight and SLD capable. (Min. 06 Lines)		Yes / No
15	Communication Protocol	IEC 61850		Yes / No

16	Communication Ports	Front – 01 USB port Rear – Ethernet + OFC ports To meet the scheme requirement	Yes / No
17	Measurements (True RMS)	Three phase Current, Power, Voltage, Frequency & P.F.	Yes / No
18	Operation, Test and Maintenance manual.	Shall be supplied along with relay	Yes / No
19	Test certificates	Routine tests to be performed and certificates shall be submitted along with each relay. (Party to specify)	Yes / No
20	Guarantee	18 months from the date of supply or 12 months from commissioning.	Yes / No
21	Conformal Coating on PCB's	The offered relays shall be strictly with conformal coating for protection against dirt, dust, moisture, chemicals and fungus etc.	Yes / No
22	Event logging	The trip/alarm events shall be logged in the relay with date and time stamping.	Yes / No
23	Disturbance -Fault Recorder	The relay shall have inherent disturbance recorder. Min. 05 records shall be stored in the relay flash memory.	Yes / No
24	Accessories	The required front PC communication cable of 2Mtrs length (02 Nos.) and applicable converters (02nos. each) shall also be provided.	Yes / No

Make of Critical Components:

DESCRIPTION	MAKE	MAKE OFFERED
ACB	L&T / SIEMENS / ABB / GE / SCHNEIDER	
NEUTRAL LINKS	L&T / SIEMENS / ABB / GE / SCHNEIDER	
AUX CONTACTOR (AC)	L&T / SIEMENS / ABB / GE / SCHNEIDER	
AUX CONTACTOR (DC)	L&T / SIEMENS / ABB / GE / SCHNEIDER	
BREAKER CONTROL SW	SALZER (L&T) / KAYCEE	
PUSH BUTTON	ESBEE (L&T)/TEKNIC / SIEMENS / KAYCEE	
CTs/PTs/CBCT	PRECISE/INDCOIL/RISHABH	
NUMERICAL RELAY	AREVA/ABB/SCHNEIDER/SIEMENS/GE/SEL	
AUXILIARY RELAY	AREVA/ABB/SCHNEIDER	
INDICATION. LAMPS	ESBEE (L&T)/TEKNIC/MIMC/SIEMENS	
TERMINALS	ELMEX/CONNECTWELL/PHONEX	
CONTROL SWITCH	SALZER (L&T)/KAYCEE/SIEMENS	
MULTI-FUNCTION ENERGY METER	RISHABH/SOCOMEK/SECURE/SATEC/ELMEASURE	
ANALOG METERS	AE/RISHABH.MECO	

TIMERS	EAPL/L&T(GIC)	
CONTROL FUSE/BASE	L&T/SIEMENS/ SCHNEIDER	
MCB	EXORA(L&T)/SIEMENS/ABB/SCHNEIDER	
CONTROL/CT WIRES	ANCHOR/R R CABLE/FINOLEX/POLYCAB	
NUMERICAL RELAYS	SCHNEIDER/SIEMENS/ABB/SEL	
CONTACTOR	L&T / SIEMENS / ABB / GE / SCHNEIDER	
MCCB	L&T / SIEMENS / ABB / GE / SCHNEIDER	
E/F RELAY	L&T / SIEMENS / ABB / GE / SCHNEIDER	
INSULATION SUPPORT MATERIAL	SMC / DMC	

13. INSTALLATION, COMMISSIONING & TESTING OF PANEL at SITE

- Party should visit site and understand the job before quoting.
- After site clearance the bidder has to complete the Installation Testing and Commissioning within **30 (thirty) Days** without any break for which bidder can seek permission to work 24X7.
- The party shall carry out MCC installation job strictly in presence of the APGCL engineer in charge.
- Party should take electrical work permit before starting the job and utmost care while doing the job and other equipment shall not be damaged.
- Party has to bring all required tools and tackles such as Meggers, Multimeters, drill machine, taps, bending machine, cutting machine, crimping tools along with required manpower (skilled and unskilled) for the job.
- The job shall involve removal of power & control cables from the existing MCC and tagging of the power and control cables and its cores, mentioning the feeder details.
- Removal /Dismantling of existing MCC and transport it designated location of APGCL.
- Cutting of RCC floor for cable entry as per requirement.
- Installation of new supplied MCC which includes fabrication of frame required to install the panel, grouting of the frame, levelling of the frame and installation of MCC on new fabricated frame etc.
- The party shall also arrange the necessary PVC end sleeves for the lead wire of Red/Yellow/Blue/Black color of each size in both power and control circuit as per requirement to maintain the color code.
- Party has to supply required components (Cable Glands, Lugs, Connectors, etc.), adapter plates, connecting links/bus-bars, necessary hardware etc. as per requirement. Protection shroud for incoming terminals also to be provided. Chrome plated nut bolts with two plain washers and one spring washer shall be used for connections shall comply relevant IS code of practice.
- The party shall arrange PVC cable dressing ties and supports so that no overhang is left in the module.
- Any other commissioning activities for successful commissioning of the MCC panel.
- Proper housekeeping shall be done after completion of job.

For visit to LTPS Site, bidder shall contact the General Manager of the Plant in advance seeking permission for such site visit.

Contact Details of the General Manager of Lakwa Thermal Power Station (LTPS) is given below: -

Mr. Janardan Das,
General Manager, LTPS, APGCL.
Contact No.: 7002913792 (M).
Email Id: janardan.das@apgcl.org

Consignee Address Details

The General Manager,
Lakwa Thermal Power Station (LTPS), APGCL.
District: Charaideo
State: Assam
PO: Suffry
PIN: 785689
Contact No.: 7002913792 (M).
Email Id: janardan.das@apgcl.org

SECTION-V

5. Bidding Forms

Bidders shall fill-up and sign-seal and submit the below given relevant Forms – B1 to B7, B9, B10 in technical bid.

5.1 Letter of Bid

FORM-B1

Letter of Bid (the bidder must prepare the Letter of Bid on its letterhead clearly showing the Bidder's complete name and address.)

Date: [insert date (as DD, MM, YYYY) of Bid Submission]

Tender Ref. No.: _____

To:

The Chief General Manager (Gen), APGCL
3rd Floor Bijulee Bhawan
Paltanbazar, Guwahati-781001

- a) We have examined and have no reservations to the Bidding Documents, including Addenda issued to Bidders;
- b) We meet the eligibility and qualification criteria as set out in this Bidding Document;
- c) We have submitted the required bid security (EMD) and tender processing fee as stated in the bid document.
- d) We offer to supply following tendered item(s) in conformity with all terms and conditions as specified in the Bidding Documents including the quantity, quality standard and delivery conditions, etc., as specified in the bid document under scope of work:

Sl. No	Name of the Item(s)	Description	Remarks
1			
2			
3			
4			

- e) We have submitted both technical and price bid for above mentioned items and our bid shall be valid for a period of 180 (one hundred eighty days) after the start date of online submission of bid, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- f) If our bid is accepted, we commit to obtain a performance security in accordance with the Performance Security Deposit Clause of the Bidding Document.
- g) We are not participating, as a Bidder, in more than one bid in this bidding process.
- h) We, along with any of our, suppliers, OEM are not debarred by any procuring entity under the State Government, the Central Government or any State Government or any Public Undertaking, Autonomous Body, Authority by whatever name called under them;

- i) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any activities which is in contravention of the Code of Integrity proscribed in the Bidding Documents;
- j) We hereby certify that we are neither associated nor has been associated directly or indirectly with any personnel/official or any other entity that has prepared the specifications and other documents for the subject matter of procurement;
- k) We hereby certify that we have fulfilled our obligations to pay all such taxes as payable to the Central Government or the State Government or any local authority;
- l) We hereby certify that we are not insolvent, in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended and must not be the subject of legal proceedings for any of the foregoing reasons;
- m) We hereby certify that our directors and officers have not been convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter into a procurement contract within a period of three years preceding the commencement of the procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
- n) We understand that this bid shall constitute a binding contract between us, until a formal contract is prepared and executed; and
- o) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Name of the Bidder_____

Name of the person duly
authorized to sign the Bid on _____
behalf of the Bidder

Title of the person signing the Bid _____

Signature of the person named above _____

5.2 Bidder Information Form**FORM-B2****Bidder Information**

[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: *[insert date (as DD, MM, YYYY) of Bid Submission]*

Tender Ref. No.: _____

1. Bidder's Name <i>[insert Bidder's legal name]</i>				
2. Bidder's year of registration/incorporation: <i>[insert Bidder's year of registration/incorporation]</i>				
3. Bidder's Address: <i>[insert Bidder's legal address]</i>				
4. Activities Undertaken by the Bidder:				
5. Bidder's Authorized Representative Information				
a) Name: <i>[insert Authorized Representative's name]</i>				
b) Address: <i>[insert Authorized Representative's Address]</i>				
c) Telephone/Fax numbers: <i>[insert telephone/fax numbers]</i>				
d) Email Address: <i>[insert Authorized Representative's email address]</i>				
6. Details of the Manufacturer and the Production/Processing facility from where the offered goods/item(s) have been produced and processed.				
Sl. No.	Name of the Goods/Item(s) offered	Name of the Manufacturer	Details of the Production Facility	Details of the Manufacturing License
1				
2				

3					
4					
5					
6					
7					

7. Years of experience in similar line of activity:

8. List of clients in Govt/Public Sector to whom supply has been done in last three years:

9. Details of the Bank Account:

(i) Name of the Bank:

(ii) Type of Account:

(iii) Account Number:

(iv) IFSC:

Signature of the Bidder/ Authorized Signatory

(Name, Address & Designation)

5.3 Manufacturer's Letter of Authorization**FORM-B3****Manufacturer's Authorisation Letter**Date: *[insert date (as DD, MM, YYYY) of Bid Submission]*

Tender Ref. No.: _____

To: *[insert complete name of Bid Inviting Entity]*

WHEREAS

We *[insert complete name & address]*, who are manufacturer of *following items*, do hereby authorize *[insert complete name of Bidder]* to submit a bid, the purpose of which is to provide the following item(s), produced/manufactured by us, and to subsequently negotiate and sign the Contract.

S. No	Name of the Item(s)	Quality Certifications	Details of the Mfg. License	Details of Production Facility
1				
2				
3				
4				

We have been manufacturing product(s) of similar in nature as stated above since last three financial years ended on 31st March 2026.

We shall stand guarantor with respect to the quality and genuineness for the goods manufactured or produced by us and supplied by <insert the name of the bidder> to <insert name of the procuring entity>, on the award of the contract.

We also stand guaranteed to fulfil the warranty and maintenance obligations with respect to the goods manufactured by us as per the bid terms and conditions either directly or through our authorized representatives.

Signed: *[insert signature(s) of authorized representative(s) of the Producer/Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Producer/Manufacturer]*

Designation: *[Designation]*

Dated on _____ day of _____, *[insert date of signing]*

Note: The Bidder (if not the manufacturer of the goods offered) shall require the Manufacturer to **fill in this Form** in accordance with the instructions indicated. This letter of authorization **should be on the letterhead of the Manufacturer** of the Goods offered and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid]

5.4 Details of Work Orders**FORM- B4**

Name of the Bidder: _____

Tender Reference No. _____

Name of the Client	Order No. and Date	Description of the Goods Supplied & Work Executed	Value of Order	Quantity	Reason for delay in completion, if any.
1	2	3	4	5	6

Signature
(Bidder/ Authorised Representatives)

The Bidder shall also furnish the following documents in connection with their past performance:

- i) Copy of Orders.**
- ii) Documentary evidence (Client's certificate) in support of satisfactory completion of contract: Work Completion Report.**

5.5 Financial Strength of the Bidder**FORM-B5****Certificate on Financial Strength
(On the letterhead of Chartered Accountant/Statutory Auditor)**

We/I have verified the Audited Financial Statement of Accounts and other documents of..... having registered office at pertaining to the financial year 2022-23, 2023-24 and 2024-25. Based on our verification of the aforesaid statements and records, we certify that the following details are true to the best of our information and according to the explanation given to us.

(Amount in INR Lakhs)

Financial Information	Financial Year			Average
	2022-23	2023-24	2024-25	
	Audited	Audited	Audited	
Total Turnover				
Net worth				

I/We also certify that the Bidder is in similar business for more than three years as on due date of submission of bid.

Date:

Signature and seal of the CA firm

Place:

UDIN:.....

Note:

- a) The bidder must furnish audited financial statements for the above-mentioned financial years.
- b) Similar business shall include

5.6 Power of Attorney for Signing of Bid**FORM-B6****Format for Power of Attorney for Signing of Application
(On a Stamp Paper of Rs 100/-)**

We, [name and address of the registered office] do hereby constitute, appoint and authorize Mr. / Ms.(name and residential address) who is presently employed with us and holding the position ofas our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our response to the Tender for _____[insert Name of the Work] including signing and submission of all documents and providing information to the Client (i.e. [insert name of the Bid Inviting Entity]) and its officials or representatives, representing us in all matters before Client, and generally dealing with Client in all matters in connection with our bid response.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us. Dated this the _____ day of _____ 2025

For _____
(Signature)
(Name, Designation and Address)

Accepted
_____(Signature)
(Name, Title and Address of the Attorney)

Date: _____

Note:

- i. *The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, as laid down by the applicable law and the charter documents of the executants(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.*
- ii. *In case an authorized Director or key officials of the Applicant signs the Application, a certified copy of the appropriate resolution/document conveying such authority may be enclosed in lieu of the Power of Attorney.*
- iii. *In case the Application is executed outside India, the Applicant must get necessary authorization from the Consulate of India. The Applicant shall be required to pay the necessary registration fees at the office of Inspector General of Stamps.*
- iv. *Where the bidder is a Joint Venture/Consortium, the Power of Attorney shall be executed by the partner identified as the Lead Member of the JV/Consortium.*

5.7 Undertaking by the Bidder**FORM-B7****Affidavit**

(To be submitted on non-judicial stamp paper of minimum Rs 50/- duly certified by Notary)

We, M/s. (the Bidder), (the names and addresses of the registered office) hereby certify and confirm that:

- (i) We or any of our promoter(s) / director(s) / partner(s) are not blacklisted or otherwise disqualified pursuant to any debarment proceedings by any Central or State Government, Local Government or Public Sector Undertaking in India from participating in any bidding process, either individually or as member of a consortium as on the _____ (Date of Signing of Bidder).
- (ii) We are not insolvent, in receivership, bankrupt, being wound up, having our affairs administered by a court or a judicial officer, having our business activities suspended or subject of legal proceedings for any of the foregoing reason;
- (iii) We or any of our promoter(s), director(s), partner(s) and officers are not convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter into a procurement contract within a period of *three years* preceding the commencement of the procurement process.
- (iv) There is no conflict of interest in submitting this Bid.
- (v) We shall abide by the clauses/ conditions of Bidding Documents issued by the Procuring Entity and any amendment made thereafter.

We further confirm that, we are aware of the fact that, our Bid submitted in response of the Tender Ref. No. [*insert tender number & date*] for supply of [*insert the name of the Goods/subject matter of the Tender*], would be liable for rejection in case any material misrepresentation is made or discovered at any stage of Bid evaluation or thereafter during the agreement period.

Signature of the Bidder/Authorized Representatives

Name of the Bidder/Authorized Representatives

5.8 Bank Guarantee Format for Bid Security (EMD)**FORMAT-B8****Format of BG for Bid Security (EMD)****(IN STAMP PAPER of Minimum Rs 100/-)****Bank Guarantee No:** _____, **Date:** _____**Bank Details:****Guarantor:****Tender No:****Name of Work:****Name of Bidder/Applicant:****Beneficiary:** Chief General Manager (Gen),

Assam Power Generation Corporation Ltd. (APGCL)

3rd Floor, Bijulee Bhawan, Paltanbazar, Guwahati - 781001,

Assam.

Whereas(*Name and address of the bidder*) is willing to submit their bid against the above mentioned tender no: for(*Name of Work*) invited by the beneficiary on behalf of Assam Power Generation Corporation Ltd. and as per tender/bid conditions, the applicant is required to submit a Bank Guarantee as Earnest Money Deposit.

At the request of the applicant, we as Guarantor, hereby irrevocably undertake to pay the beneficiary any sum or sums not exceeding in total an amount of Rs.....(*in numeric*) (*Rupeesonly- In words*) if:

- 1) The bidder withdraws or amends, impairs or derogates from the bid in any respect within the period of validity of the bid.
- 2) The bidder fails to furnish the Performance Security for the due performance of the contract/Work Order against this tender.
- 3) The bidder fails or refuses to execute the contract.

We undertake to pay the beneficiary up to the above amount upon receipt of its first written demand, without the beneficiary having to substantiate its demand, provided that in its demand the beneficiary will note that the amount claimed by it due to it owing to the occurrence of one or more of the conditions, specifying the occurred condition or conditions.

This guarantee will remain in force for 01 (one) Year from the start date of online submission of bid up to amount Rs..... (*in numeric*) (*Rupeesonly- In words*) and any demand in respect thereof should reach the bank not later than the above date.

Notwithstanding anything contrary contained in any law for the time being in force or banking practice, this guarantee shall not be assignable or transferable by the beneficiary, notice or invocation by any person such as assignee, transferee or agent of beneficiary shall not be entertained by the bank. Any invocation of guarantee can be made only by the beneficiary directly.

Notwithstanding anything to the contrary contained herein :

1. Our liability under this bank Guarantee shall not exceed Rs.....(*in numeric*) (*Rupeesonly- In words*).
2. This Bank Guarantee shall be valid up to 01 (one) Year from the start date of online submission of bid.
3. The beneficiary's right as well as the Bank's liability under this guarantee shall stand extinguished unless a written claim or demand is made under this guarantee up to a period of 01 (one) Year from the start date of online submission of bid.
- 4.

Dated at _____ this ____ day of _____, 2026

(Signature on behalf of the Nationalized/Scheduled Bank)

(Seal of the
Nationalized/Scheduled Bank)

Address of the main Branch of the Bank.....

Address of the BG issuing Bank.....

5.9 Statutory Tax Compliance**FORM-B9****Statutory Tax Compliance****Self–Undertaking for Payment of Statutory Taxes****To,**

The Procuring Entity,
 [Name of Department/Organization]
 [Address]

Subject: Self–Undertaking regarding payment of statutory taxes before applying for tender Tender/Bid Reference No & Date: _____.

- a) I/We have duly paid and cleared all statutory taxes, cess, dues, and levies payable to Local Authorities, Panchayats, Municipalities, State Government, and the Central Government up to the date of this tender submission and undertake to promptly discharge any such dues that may arise during the tenure of the contract.
- b) I/We shall be solely responsible for payment of all applicable taxes, including GST, duties, license fees, cess, and any other statutory liabilities arising in connection with the performance of the contract.
- c) I/We undertake to immediately inform the Procuring Entity of any statutory revision, demand, or default and shall bear complete responsibility for settlement of such dues, keeping the Procuring Entity fully indemnified against any liability in this regard.
- d) I/We hereby confirm that all notices, demands, or proceedings issued by any Tax Authority up to the date of this submission have been duly complied with and settled. Any outstanding demand has been disclosed to the Procuring Entity, and I/We undertake to settle the same before award of contract, keeping the Procuring Entity indemnified against any liability.
- e) In case of any reduction in the rate or amount of GST, taxes, duties, or levies after the Notification of Award, the corresponding benefit shall be duly passed on to the Procuring Entity without delay.
- f) This undertaking shall remain valid and binding for the entire duration of the tender evaluation and, if awarded, for the full tenure of the contract including any extensions, until its closure.
- g) I/We understand that at any stage if it is found that any statement or document submitted is false/forged/invalid, the Procuring Entity has discretion to terminate the contract and proceed with alternate arrangements as per the tender's risk purchase clause if any.

I/We declare that the above statements are true to the best of my/our knowledge and belief.

Authorized Signatory

Name: _____

Designation: _____

Firm/Company Name: _____

Date: _____

Place: _____

Company Seal:

5.10 Checklist of Documents:

To be submitted along with Technical Bid by Bidder:

FORM-B10**CHECKLIST**

Sl. No.	Description of the Document	Page		Remarks (if any)
		From	To	
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				

SECTION-VI

6. General Terms and Conditions (GTC):

The bidder must adhere to the clauses of this tender document and also, the tender must be submitted as per instructions given in this document, in the absence of which the submitted tender of the bidder may not be considered for evaluation at this end. However, in case of deviation from any of APGCL's tender document clause by the bidder, the same must be stated clearly as per the format given below:

EXCEPTION AND DEVIATION PROFORMA

Sl. No.	Ref of Bid Document		Subject	Deviation Details
	<i>Page No.</i>	<i>Clause No.</i>		

In case the bidder doesn't state the deviation(s) clearly, it will be presumed that the bidder has accepted all terms and conditions of this tender document. **Also, acceptance/rejection of bidder's deviation(s) shall be at sole discretion of APGCL.**

The clauses under the 'Terms & Conditions of Contract' are given below:

6.1 *Firm Price:*

The basic price(s) quoted by the bidder shall be firm without any variation in any way till completion of the work in full.

The price offered in the Price Bid (BOQ) for the item(s) shall be based on FOR consignee location/DDP (Delivery Duty Paid up to Place of destination) price (i.e., Charges against Freight, Transit Insurance, Packing and Forwarding etc. shall be inclusive). The basic prices shall also be inclusive of any charges against loading/unloading, travelling expenses of Contractor's Personnel, boarding & lodging of Contractor's Personnel at site, etc.

Unit GST shall be quoted in the BOQ.

6.2 *Performance Security Deposit:*

On receipt of the Letter of Acceptance/Order, the successful bidder shall have to deposit a Bank Guarantee from a Nationalized or Scheduled Bank of RBI for an amount equivalent to 10% (ten percent) of the total value of Order (including GST, etc.) as performance security, **within 28 (twenty eight) days** from the date of receipt of the LOA/Order or before signing of contract, whichever is earlier, duly pledged in favor of the Chief General Manager (Gen), APGCL and such security deposit shall be valid up to 45 (forty-five) days beyond the date of completion of all contractual obligations including warranty and maintenance obligations, if any. All claims under the warranty, etc. shall be preferred to the executants bank up to 6 (six) months from the above mentioned 45 (forty-five) days period.

If the Contractor fails or neglects to perform any of his obligations under the contract/as per order/tender, then APGCL shall have the right to forfeit either in full or in part at its absolute discretion, the security deposit furnished by the Contractor. No interest shall be payable on such deposits.

Note: The successful bidder is requested to advice the Bank Guarantee issuing bank to comply with the following and ensure to submit, the receipt of the copy of SFMS message as sent by the issuing bank branch, along with the original bank Guarantee in APGCL's tender issuing office:

The Bank Guarantee issued by the Bank must be routed through SFMS platform as per following details:

- i. MT/IFN760/MT/IFN760 COV for issuing of Bank Guarantee.
- ii. MT/IFFN 760/MT/IFN 767 COV for amendment of Bank Guarantee.

The above message/intimation shall be sent through SFMS by the BG issuing bank branch to Axis Bank, Paltan Bazar Branch, A/C no. 375010200007573, IFS code-UTIB0000375, Branch Address- AXIS Bank Ltd, Commercial Building, A.T. Road, Guwahati-781001, India.

Apart from Bank Guarantee, Performance Security Deposit can also be submitted through Fixed Deposit (FD) and Demand Draft (DD), pledged/drawn in favor of The Chief General Manager (Gen), APGCL. For FD and DD, the bank details are: Axis Bank, Paltan Bazar Branch, A/C no. 37501020001380, IFS code-UTIB0000375, Branch Address- AXIS Bank Ltd, Commercial Building, A.T. Road, Guwahati-781001, India. All other Terms & Conditions regarding the Performance Security Deposit shall remain the same as mentioned in the above paragraphs.

Note: The Bid Security (EMD) deposited by a Bidder may be forfeited in case the bidder does not deposit the required performance security and/or sign the contract within the specified time period.

6.3 Packing:

The Bidder shall provide packing of the Goods as is required to prevent their damage or deterioration during transit to their destination. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.

6.4 Insurance:

- a) The Contractor shall, unless otherwise specified by the Purchaser (APGCL), insure the materials through their underwriter at their cost and shall keep it insured against any loss/damage/pilferage in transit, destruction or damage by fire/flood, exposure to vagaries of weather or through riot, civil commotion, war or rebellion, for the full value of the materials until the materials are received at the Purchaser's (APGCL) destination store and till commissioning/handover to APGCL.
- b) The Contractor shall be responsible for safe arrival of the goods at destination (APGCL Store), their unloading and their receipt by the consignee. Assam Power Generation Corporation Limited will discharge consignee's responsibilities only and shall not be responsible for any damage/loss/ pilferage/ non-delivery by the carriers.
- c) In case of any loss/damage/pilferage/non-delivery/short delivery by carriers etc. the supplier (Contractor) shall replace free of cost the missing/damaged/lost materials immediately/within 30 (thirty) days from the receipt of report thereof from the consignee without waiting for settlement of their claims with their carriers/ under-writers. Normally such reports from the consignee to the supplier (Contractor) shall be initiated immediately or within a period of 30 (thirty) days from the date of receipt of each consignment by him.
- d) If it is considered necessary that the damaged equipment either in part or in full be sent back to the manufacturer's works for repair, the manufacturers/ suppliers (Contractor) will furnish the Bank Guarantee for the full value of equipment needing repairs and such Bank Guarantee shall remain valid till such time the equipment are

repaired and returned to the consignee in good condition. The to and fro freight, handling and insurance charges in such cases will be borne by the Contractor.

- e) Unless otherwise mutually agreed upon, in case of failure by the supplier to replenish/ make good of the loss/ damage/ short supplied quantities, within the stipulated period, the Purchaser (APGCL) reserves the right to forfeit the security deposit and/or adjust any outstanding payment to the Contractor with APGCL or take any other appropriate action.
- f) All materials will be dispatched against clear door delivery basis unless otherwise agreed by the Purchaser (APGCL).

Also, insurance of all work personnel of the Contractor engaged during the work execution at work site is mandatory on behalf of the Contractor and necessary documents in this regard are required to be submitted by the Contractor to APGCL Official at work site before commencement of work. Without proper Insurance of all site personnel of the Contractor engaged for the work at work site, the Contractor shall not be allowed to execute the work at site and any delay in work completion for this shall be at Contractor's sole responsibility. Cost of Insurance of Contractor's Site Personnel working at work site shall be at Contractor's scope.

6.5 Clarification and Additional Information:

During the submitted bid's evaluation, APGCL may request the bidder for any clarification on the submitted bid and/or documents related to the tender. The bidder shall submit the sought clarifications and/or document(s) within stipulated time as determined by the undersigned. However, seeking clarification and document(s) during bid evaluation shall be on sole discretion of APGCL.

6.6 Precautions to be Taken During Execution of Work:

The Contractor shall take reasonable and statutory precaution during execution of the work at work site so as to avoid accident and damage to equipment and injury to workman and to prevent theft, pilferage etc.

6.7 Liability for Accident and Damage:

The Contractor shall not claim for compensation arising out of any accident(s) or damages done during the course of work execution at work site & the Contractor will be responsible for paying compensation to the worker as per Workmen Compensation Act, 1923 and subsequent amendments thereof. It is further clarified that in case any payment is to be made by the Contractor under the said Workmen Compensation Act, the same shall be paid forthwith and in case of failure in making such payments APGCL shall make payment and the amount so paid shall be deducted from the bills of the Contractor.

The Contractor shall adequately insure against liability to third party, in the joint names of the Employer, the Contractor and the sub-contractor for any loss, damage, death or bodily injury which may occur to any physical property owned by others, the goods/materials of the contract or to any person which may arise out of the performance of the contract.

6.8 Acceptance of the Order/LOA:

Acceptance of the Order/LOA in writing shall be conveyed by the supplier/Contractor to the Purchaser/Employer (APGCL) within 10 (ten) days from the date of issue of the such Order/LOA failing which, it will be presumed that the Contractor has accepted the same in full.

6.9 Force Majeure:

Normally, force majeure shall cover only Act of God, fire, war, riots, epidemics and act of Government, etc. Any constraints other than those specified above, will not constitute a force majeure condition. In view of other constraints beyond the control

of the Contractor, primarily due to statutory compulsion, extension of delivery time may also be considered on merit of individual case.

In case of a force majeure condition, the Contractor shall notify APGCL in writing such condition within 10 (ten) days from the beginning of such delay for consideration and acceptance. Unless otherwise directed by the Purchaser in writing, the Supplier (Contractor) shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

6.10 Settlement of Disputes:

a. Amicable Settlement:

If any dispute or difference (s) of any kind whatsoever arise between the parties in connection with or arising out of the work/contract, including without prejudice to the generality of the foregoing, any question regarding its existence, validity or termination, or the execution of the Contract whether during the progress of the Contract or after its completion and whether before or after the termination, abandonment or breach of the Contract, the parties shall seek to resolve any such disputes or differences by mutual consultation between the authorized representatives of both the parties for amicable settlement of the dispute within a period of ninety (90) days after receipt by one party of the other party's request for such amicable settlement.

b. Arbitration:

Any dispute, controversy or claim arising out of or relating to this work/contract or the breach, termination or invalidity thereof, that cannot be settled amicably between both the parties shall be settled by Arbitration.

In any arbitration proceeding hereunder-

- a) Arbitration shall be in accordance with the Arbitration & Conciliation Act, 1996 or any statutory amendment thereof.
- b) Arbitration shall be by a sole arbitrator, if agreed upon by the Parties. Failing agreement on the identity of such sole arbitrator, each Party shall appoint one arbitrator, and these two appointed arbitrators shall jointly appoint a third arbitrator, who shall chair the arbitration panel and act as the Presiding Arbitrator.
- c) In an arbitration proceeding consisting of three arbitrators, if a party fails to appoint an arbitrator within 30 days from the receipt of a request to do so from the other party; or the two appointed arbitrators fail to agree on the third arbitrator within thirty days from the date of their appointment, the appointment shall be made upon request of a party by the High Court or by the President, Institution of Engineers (India), Assam State Centre.
- d) In an arbitration with sole arbitrator, if the parties fail to agree on the arbitrator within 30 days from receipt of a request by one party from the other party to so agree, the appointment shall be made, upon request of a party, by the High Court or by the President, Institution of Engineers (India), Assam State Centre.
- e) Proceedings shall, unless otherwise agreed by the Parties, be held in Guwahati.
- f) English language shall be the official language for all purposes.
- g) Decision of the sole arbitrator or of a majority of the arbitrators (or of the third arbitrator if there is no such majority) and the Arbitral Award shall be final and binding on the parties and the persons claiming under them respectively and shall be enforceable in any court of competent jurisdiction, and the Parties hereby waive any objections to or claims of immunity in respect of such enforcement.
- h) The arbitrators and the parties to the arbitration shall maintain confidentiality of all arbitral proceedings except award where its disclosure is necessary for the purpose of implementation, enforcement and setting aside of the award.
- i) The cost of arbitration shall be equally shared among both the parties.

6.11 Legal Jurisdiction:

Any disputes or differences arising under, out of, or in connection with this work/contract, shall be subject to the exclusive jurisdiction of courts at Guwahati only.

6.12 Mistakes/Errors in submitted Bid:

The Contractor shall be responsible and liable for any change in the work due to any discrepancies, errors, or omissions in the submitted bid which have arisen due to inaccurate information or particulars furnished by the Contractor, even though approved by APGCL.

6.13 Indemnification:

The Contractor shall indemnify APGCL against all claims, actions, suits and proceedings for the infringement or alleged infringement of any patent, design or copyright protected either in the country of origin or in India for the use of any equipment supplied by the Contractor but such indemnity shall not cause any use of the equipment other than for the purposes indicated by or reasonably to be inferred from the specification.

6.14 Subletting Contract:

The Contractor shall not, without the consent in writing of APGCL assign or sublet his contract, or any substantial part thereof, or interest therein of benefit or advantage whatsoever, other than for raw materials or for minor details or for any part of the work of which the Sub-contractors are named in the tender provided any such consent shall not relieve the Contractor from any obligation, duty or responsibility under the contract.

6.15 Variation of Quantity:

APGCL might increase or decrease the quantity of materials by 20% if so required and the bidder shall agree to the same and shall supply the materials at the same quoted rates/prices in BOQ and terms and conditions stipulated in the tender except in regard to delivery schedule/work completion period, which shall be mutually agreed upon in case of increase in the ordered quantity from that in the tender.

6.16 Co-Operation with Other Contractors:

The Contractor shall agree to co-operate with the APGCL's other contractors for associated supplies and freely exchange with them such technical information as is necessary to obtain the most efficient and economical design and to avoid unnecessary duplication. No remuneration shall come from APGCL for such technical co-operation.

6.17 Contractual Failure:

In the event of contractual failure of any respect on the part of the Contractor, APGCL shall be entitled to cancel the Contract/Order, forfeit the performance security deposit or any deposit or any payment due to the Contractor from this or his other contracts towards the recovery of APGCL's claim for damages arising out of the failure. In addition, APGCL may black-list or ban the Contractor or pending enquiry, suspend him or take any other steps considered suitable.

6.18 Rejection:

In the event, any of the materials supplied by the Contractor or work executed is found defective or otherwise not in conformity with the requirements of the contract/tender specifications, APGCL shall either reject the material/work or request the Contractor in writing to rectify the same. The Contractor, on receipt of such notification shall rectify or replace the defective material/rectify the defective work free of cost to APGCL. If the Contractor fails to do so, APGCL may at its option: -

- (a) Replace or rectify such defective/non-conforming material/correct the defective work and recover the extra cost so involved plus 15% as overhead charge from the Contractor, or
- (b) Terminate the contract for default, or
- (c) Acquire the defective material at a reduced price as considered equitable under the circumstances.

6.19 Deduction from Contract Price:

All cost, damages or expenses which APGCL may have made for which, under the contract, the Contractor is liable, may be deducted by APGCL from any money due or becoming due by APGCL to the Contractor or may be recovered by action at law or otherwise from the Contractor.

In the event of recovery to the necessary extent becoming impossible owing to insufficiency of the earnest money/security deposit and withheld amounts, the balance due to APGCL may at the option of APGCL be recovered from any money due to the Contractor from APGCL under other contracts with the Contractor.

6.20 Death, Bankruptcy etc.:

If the Contractor becomes bankrupt or being a corporation is in the process of winding up, amalgamation or reorganization, then APGCL shall be at liberty to: -

- (a) Terminate the contract forthwith by notice in writing to the Contractor or to the liquidator or receiver or to any person in whom the contract may become vested.
- (b) Give such liquidator, receiver or other person the option of carrying out the contract subject to his providing a guarantee for the due and faithful performance of the contract up to an amount to be determined by APGCL.

In case of death of the Contractor before completion of the work, then APGCL shall be at liberty to:

- (a) Close up the contract and take over the completed portion of work/supply done and made as per specification and make final payment to the legal heir of the Contractor on receipt of claim from such legal heir.
- (b) Give the contract to the legal heir of the Contractor subject to his depositing a performance security for the due and faithful performance of the contract. The performance security amount shall be determined by APGCL commensurate with the incomplete portion of the work/supply. APGCL will enter into a fresh contract with the legal heir of the Contractor on the same terms and conditions of the earlier contract.

6.21 Regulation of Local Authorities:

The Contractor shall abide by the regulation of local Authorities unless such regulation is repugnant to any terms of the contract agreed upon.

The Contractor is required to fulfill all criteria related to Labour Laws.

The Contractor will also comply with all regulations/directives of both State & Central Government Pollution Boards.

6.22 Suspension Of Business Dealings with Firms/Contractors:

APGCL may suspend business dealings with a Firm/Contractor, if:

- (a) The Central Bureau of Investigation or any other investing agency recommends such a course in respect of a case under investigation; and if a prima facie case is made out that the firm is guilty of an offence involving unethical, unlawful, fraudulent means in relation to business dealings, which, if established, would result in business dealings with it being banned.
- (b) APGCL has past record of non-performance of the Firm in its previously awarded contracts.
- (c) APGCL has record of ban against the Firm by other Government / Public sector utility.

- (d) However, APGCL shall give the Firm/Contractor a fair chance to explain the circumstances of such previous suspensions.

6.23 Banning Of Business Dealings with Firms/ Contractors:

APGCL may ban business dealings with a Firm/Contractor, if:

- (a) The owner (s) of the Firm/Contractor is convicted by a court of law following prosecution for offences involving unethical, unlawful, fraudulent means in relation to business dealings.
- (b) There is strong justification that the Firm has been guilty of malpractices, such as, bribery, corruption, fraud, substitution of tenders, misrepresentation, evasion or habitual default in payment of any Government tax, etc.
- (c) The Firm continuously refuses to return government dues without showing adequate cause and Government are reasonably satisfied that this is not due to reasonable dispute which would attract proceeding in arbitration or court of law.
- (d) The Firm is found guilty of involving in unethical practices, such as:
 1. "Corrupt practice" involving offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the action of any such official procurement process or in contract execution.
 2. "Fraudulent practice" involving misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer.
 3. "Collusive practice" involving a scheme among bidders (prior to or after submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Employer of the benefits of free and open competition.
 4. "Coercive practice" involving harming or threatening to harm directly or indirectly, persons or their property to influence procurement process or the execution of a contract.

APGCL may sanction a Firm/Contractor or its successor, including declaring ineligible, indefinitely or for a period of not less than 3 (three) years.

6.24 Language:

Contract as well as all correspondence and documents relating to the Contract exchanged by the Contractor and the Purchaser (APGCL), shall be written in English language. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by a self-certified accurate translation of the relevant passages in English language, in which case, for purposes of interpretation of the Contract, this translation shall govern.

The Contractor shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.

6.25 Joint Venture or Consortium:

If the Contractor is a joint venture, or consortium, all the parties shall be jointly and severally liable to the Purchaser (APGCL) for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture or consortium. The composition or the constitution of the joint venture or, consortium, shall not be altered without the prior consent of the Purchaser (APGCL).

In the case of a Joint Venture: -

- a) no partner of the Joint Venture shall submit an independent bid for the same package for which the Joint Venture submits a bid as this shall constitute conflict of interest;

- b) all partners of the Joint Venture shall be jointly and severally liable for the bid and for the execution of the Contract in accordance with the terms of the contract and a relevant statement to this effect shall be submitted by them in evidence thereof;
- c) in the event of the bid of Joint Venture being accepted, they shall either form a registered Joint Venture Company or a Limited Liability Partnership, or a Partnership Firm or else the contract documents and the Joint Venture Agreement, etc. shall be duly signed and executed in such a manner as may be required for making it legally binding on all partners and clearly indicating, amongst other things, the proposed distribution of responsibilities, both financial as well as technical, for execution of the work amongst them; and
- d) the Joint Venture shall nominate a Lead Partner who shall have the authority to conduct all business for and on behalf of any or all the parties of the Joint Venture during the bidding process and during execution of the contract. This authorization shall be evidenced by submitting a power of attorney signed by the legally authorized signatories of all the partners or, otherwise, all the parties in Joint Venture shall sign the Agreement.

6.26 Nationality and Origin Requirements:

Bidder shall adhere to prevailing rules and statutory compliance of Govt. of India and Assam Procurement Rule.

All Goods to be supplied under the contract shall have their origin in India or any other country with which India has not banned trade relations. The term "origin" used in this clause means the place where the goods are mined, grown, produced, or manufactured or from where the related services are arranged and supplied.

6.27 Tax and Duty Responsibility:

The Contractor shall be responsible for all taxes, duties, license fees, etc. incurred until completion of contracted work of the purchaser (APGCL). The participating bidder shall submit a self-undertaking on Statutory Tax Compliance as per Form B9.

6.28 Inspection & Testing:

- 6.28.1 The Contractor shall at its own expense and at no cost to the Purchaser (APGCL) carry out all such tests and/or inspections of the Offered Goods as specified in this document or as per any Standard requirement.
- 6.28.2 The Purchaser (APGCL) or its designated representative shall be entitled to attend the tests and/or inspections, and the Purchaser (APGCL) will bear its own costs and expenses incurred owing to traveling and board and lodging expenses **only**.
- 6.28.3 Whenever the Supplier (Contractor) is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser (APGCL). The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser (APGCL) or its designated representative to attend the test and/or inspection.
- 6.28.4 The Supplier (Contractor) shall provide the Purchaser (APGCL) with a report of the results of any such test and/or inspection.
- 6.28.5 The Purchaser (APGCL) may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier (Contractor) shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser (APGCL), and shall repeat the test and/or inspection, at no cost to the Purchaser (APGCL), upon giving a notice.

6.28.6 The Supplier (Contractor) agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Purchaser or its representative, nor the issue of any report, shall release the Supplier (Contractor) from any warranties or other obligations under the Contract.

6.29 Confidential Information:

- a. Any information derived or otherwise communicated by the Purchaser (APGCL) to the Supplier (Contractor) in connection with the contract shall be kept / treated as secret and shall not without written consent of the Purchaser (APGCL) be published or disclosed to any third party or made use of by the Supplier except for the purpose of execution of the contract.
- b. The Purchaser (APGCL) and the Supplier (Contractor) shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality like that imposed on the Supplier under GTC Clause Copyright.
- c. The Purchaser (APGCL) shall not use such documents, data, and other information received from the Supplier (Contractor) for any purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the performance of the Contract.
- d. The obligation of a party under GTC Sub-Clauses 6.29 (a, b, c), however, shall not apply to information that:
 - i. the Purchaser or Supplier need to share with the such institution(s) participating in the financing of the Contract;
 - ii. now or hereafter enters the public domain through no fault of that party;
 - iii. can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
 - iv. otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.
- e. The above provisions of GTC Clause 6.29 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply/Work or any part thereof.
- f. The provisions of GTC Clause 6.29 shall survive completion or termination for whatever reason, of the Contract.

6.30 Limitation of Liability:

Except in cases of criminal negligence or willful misconduct, the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of replacing the substandard Goods supplied, or to any obligation of the supplier to indemnify the purchaser with respect to patent infringement.

6.31 Copyright:

The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser (APGCL) by the Supplier (Contractor) herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser/Authority directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

SECTION VII

7.Special Terms and Conditions (STC)

7.1 Terms of Payment:

Supply Part: Seventy percent (70%) of the Supply Part Value, inclusive of one hundred percent (100%) of the applicable Goods and Services Tax (GST), shall become due and payable against submission of the Supplier's invoice, Warranty Certificate, etc. and subjected to the successful and complete delivery and acceptance of the ordered items at the APGCL stores in good condition and subjected to compliance with the Performance Security Deposit Clause of this tender.

Service Part: 100% of the service part value (including applicable GST), along with the balance 30% of the supply part, shall be released upon successful completion of the work of Installation, Testing, and Commissioning of a New LT MCC Panel at the Intake Pump House, LTPS.

Paying Authority:

The Chief General Manager (F&A), APGCL,
3rd Floor, Bijulee Bhawan, Paltan Bazar,
Guwahati-781001.

Note:

- All bills are to be processed through The General Manager (LTPS), APGCL.
- Performance Security Deposit shall be submitted within twenty-eight (28) days of the receipt of Letter of Acceptance/Order from the Procuring Entity (APGCL) or before signing of the Contract, whichever is earlier.

7.2 Warranty Clause:

- i) The materials supplied as well as workmanship shall carry a warranty covering a minimum period for rectification/free replacement thereof. The Contractor warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Tender document of APGCL. The Contractor further warrants that the Goods shall be free from defects arising from any act or omission of the Contractor or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the state. **The term "period of warranty" shall mean the period of 12 (Twelve) months from the date of successful commissioning of the ordered equipment/materials or 18 (Eighteen) months from the date the materials are received in APGCL's Store in good and acceptable conditions, whichever is earlier.** During the period of warranty, the Contractor shall rectify all defects in design, materials and workmanship that may develop under normal use of the equipment/materials upon written notice from the APGCL Engineer who shall indicate in what respects the equipment is faulty. This rectification/free replacement must be carried out within a reasonable period as determined and directed by the APGCL. The cost of rectification/free replacement will be to the Contractor's account.
- ii) If the Contractor fails to rectify the defects within a reasonable time, APGCL may fix a date by which the Contractor would rectify the defects, failing which the APGCL may:
 - a) Carry out remedial work himself or through others, in a reasonable manner and at the contractor's risk and cost. The cost incurred by APGCL in remedying the defects shall be recovered from the Contractor by APGCL.
 - b) Determine and certify a reasonable reduction in the contract price or
 - c) May terminate the contract in respect of such parts of the work and APGCL shall be entitled to recover all sums paid for such parts of the work.
 - d) May forfeit either in part or in full, Performance Security Deposit.

7.3 **Work Completion Period:**

Supply Part: The Work Completion Period for the supply of all materials ordered, as per the Order, shall be **Sixty (60) days** from the date of drawing & document approval by APGCL.

Submission and approval of Drawings and Documents

The successful bidder shall submit all required drawings and documents for approval to APGCL within twenty-one (21) days from the date of issue of the Order. However, all approvals process including revision of drawings and documents shall be completed by successful Bidder within the Forty-Five (45) days from date of issue of the order.

Any delay in submission of drawings or documents by bidder beyond the specified period shall be solely attributable to the bidder. However, time taken by APGCL for verification/approval of such drawings/documents shall not be attributable to the bidder in this case.

Dismantling, Installation, Testing and Commissioning Part (Service Part):

The dismantling of existing MCC Panels, etc., installation, testing, and commissioning of all new supplied MCC Panel, along with all associated works as per the Order, shall be completed within **Thirty (30) days** from the date of issue of site clearance by APGCL.

The Bidder shall submit the breakup of their Order Execution Schedule during submission of their technical bid and they shall adhere to the submitted Order execution Schedule during order execution.

Timeline for Work Execution			
For Supply Part (Item Wise):			No. of Days from issue of the PO (order)
	a.	Beginning of Manufacturing Process	
	b.	Completion of Manufacturing	
	c.	Materials Ready for dispatch at bidder's/manufacturer's factory/warehouse.	
	d.	Dispatch of Materials	
	e.	Transportation Time to LTPS site	
	f.	Delivery at LTPS site	
For Service Part:	a.	The bidder shall mention milestone wise timeline of the work execution schedule of the Service Part.	
	b.		
	c.		
	d.		
	e.		
	f.		

Liquidated damage due to delay in supply/completion of erection, installation and commissioning work shall be levied as per the Liquidated Damage Clause of this tender.

7.4 **Liquidated Damage (LD):**

The date of delivery/completion of erection, installation and commissioning work shall be deemed to be the essence of the contract and shall be completed not later than the date specified in the purchase order/contract. In case of failure to deliver the material/equipment/complete the work in full within the stipulated work completion time period, the Purchaser/Employer (APGCL) shall be entitled to: -

- 7.4.1 Recover an amount at the rate of 1% (one percent) of the Contract Price/Order value of Material/Service delayed per week or part thereof of delay, subjected to maximum of 10% (ten percent) of the Contract Price/Order value of Material/Service delayed as Liquidated Damage. However, the payment of liquidated damage shall not in any way relieve the Contractor from any of its obligation to complete the work or from any other obligation and liabilities of the Contractor under the Contract/as per order.
- 7.4.2 Purchase the undelivered material/equipment from elsewhere or to complete the balance work, giving notice to the Contractor and to recover any extra expenditure incurred thereby for having to purchase these materials or complete the work at a higher price, at risk and responsibility of the Contractor.
- 7.4.3 Cancel the Contract/Work Order wholly or in part and to purchase materials/equipment and execute the work at the full risk and cost of the Contractor and forfeit the security deposit.

7.5 **Technical Specifications, Drawings, etc.:**

The following shall be provided by the bidder in their technical bid:

- (a) Technical details of the products offered.
- (b) Technical details as mentioned under Clause 12 of SECTION -IV "Schedule of Requirement".**
- (c) Type tests certificates for the **offered switchgear panel** and **offered Circuit Breakers** from CPRI or any other Govt. approved testing laboratory.
- (d) Certificate for Short Ckt. Rating & Current-Time Tripping Curve of MCB's used in the offered panel.
- (e) Any other relevant information related to the work.

7.5.1 Manufacturing Drawing approval

- i) Vendor has to develop GA & single line diagram of offered MCC. Vendor has to submit the GA, single line diagram and control drawing of MCC for APGCL review and comments before starting the manufacturing. The vendor shall submit drawings and other related documents as per specifications **within 21 days of placement of purchase order.**
- ii) APGCL shall revert back the drawings with recommendations/comments and the Vendor shall incorporate all suggested modifications/comments in the drawing and submit drawing for approval. **The drawing approval process shall be completed within 45 days of issue of PO.** If required, the vendor may send their design person to avoid in delay in drawing approval.
- iii) It shall be responsibility of the vendor to submit final approved drawing in given time frame and APGCL shall not be responsible for delay in drawing finalization, if the drawings are not as per specifications and all required changers/ comments are not incorporated in the submitted drawing which may result in further revert back from APGCL.
- iv) However, approval of the Drawings by APGCL does not relieve party from its responsibility of supplying panels as per the technical specifications, statutory requirements and functional schemes etc.
- v) All the drawing may be sent by emails only to save transit time.

7.5.2 DRAWINGS & INFORMATION

Vendor shall submit the following data / documents for approval:-

- i) General design notes covering construction, cable entry, wiring, earthing, painting, labels, terminals, shrouds/ barriers, control schematic etc.
- ii) G.A. drawing showing plan, sectional view, foundation plan etc. and mentioning all technical particulars such as dimensions, weight, reference standard, min. clearances etc. on it.

- iii) Cable entry / cut out details.
- iv) Control wiring diagrams.
- v) Complete bill of material with makes of the components.
- vi) Type test certificates for LV switch boards for Temperature rise and short time withstand.
- vii) Bus bar sizing calculation.
- viii) Soft copies as well as Hard copies of final documents of all the above-mentioned documents & Drawings shall be submitted by the vendor.
- ix) Contractor shall furnish a copy of technical literature cum operation and maintenance manuals for panels & other components.

7.6 Inspection, Testing, and Dispatch Clearance

(Shall be read in conjunction with Clause No. 6.28).

7.6.1 Right of Inspection:

APGCL reserves the right to carry out inspection and/or witness acceptance and routine tests of the manufactured equipment/goods either during the fabrication process or after the completion of manufacturing.

7.6.2 Intimation for Inspection:

The Contractor shall inform the Chief General Manager (Gen.), APGCL at least 15 (fifteen) days in advance regarding the period when the materials will be ready for inspection and testing at the manufacturer's works. APGCL shall depute its engineers to witness the inspection and testing activities.

7.6.3 Factory Acceptance Tests (FAT):

The bidder shall arrange for the conduct of all Factory Acceptance Tests in accordance with relevant IS/IEC standards and as specified in Section IV: Schedule of Requirement, free of charge to APGCL.

7.6.4 Dispatch Clearance:

Materials shall be dispatched to the site only after receiving dispatch clearance from the Chief General Manager (Gen.), APGCL, subsequent to satisfactory testing and inspection.

7.7 Cyber Security Clause:

All bidders shall adhere to the Order of Ministry of Power, Govt. of India, No. 12/34/2020 – T&R, dated 24/12/2021 and No. 25-10/72/2024-PG, dated 06/08/2025 regarding Testing of power system equipment for use in the Supply System and Network in the Country for Cyber Security and shall also follow all the Guidelines of CEA for Cyber Security, 2021. The products offered and thereafter supplied by bidder shall adhere to the above Order and Guidelines. Bidder shall submit all the requisite documents in this regard including Test Certificates, etc. for designated laboratories and shall fulfil all the mandatory requirements in this regard.

Bidder shall submit his signed & sealed confirmation regarding adherence to the above requirements along with all mandatory documents, test reports, etc. in technical bid.

Note: Order of Ministry of Power, Govt. of India, No. 12/34/2020 – T&R, dated 24/12/2021 and No. 25-10/72/2024-PG, dated 06/08/2025 and Guidelines of CEA for Cyber Security, 2021 are attached herewith for reference of bidders.

7.8 Mandatory documents:

The bidder must upload the scanned copies of the following mentioned documents along with the technical bid on assamtenders.gov.in, failing which the submitted bid of the bidder may be treated non-responsive.

- (a) Site visit Report.
- (b) Copy of PAN Card and EPF Registration.
- (c) Copy of GST Registration Certificate of the bidder's Firm.
- (d) Documents related to bidder's eligibility and past experience.
- (e) Documents related to bidder's Firm: Certificate of registration of the Firm (in case of Solo Proprietor)/ Certificate of Incorporation (in case of Company), Joint Venture Agreement, whichever is applicable. Note: In case of Joint Venture (JV), the bidder must be the Lead Partner in the JV.
- (f) Documents related to the bidder's average annual turnover and Net Worth during 03 (three) Financial Year (FY 2022-23, 2023-24 & 2024-25) These documents must be certified by a Chartered Accountant.
- (g) Signed & Sealed Confirmation from Bidder stating that they had quoted for all items (entire bidder's scope) required as per this Tender Clause Section-IV: Schedule of Requirements)/BoQ1. **No Part Offer is accepted.**
- (h) Technical documents, Test Certificates, etc. of the products offered.
- (i) Payment proof of EMD.
- (j) **All Bidding Forms (B1 to B10), duly filled up as per the instructions provided therein.**
- (k) All requisite documents, test reports, etc. regarding Cyber Security Guidelines.
- (l) **All other documents as sought in this Tender.**
- (m) Any other document as deemed necessary as per this Tender.

**Chief General Manager (Gen),
APGCL, Guwahati-1.**

Annexures:

1. Annexure-I: SLD.
2. Annexure-II: Order of Ministry of Power, Govt. of India, No. 12/34/2020 - T&R, dated 24/12/2021.
3. Annexure-III: Order of Ministry of Power, Govt. of India, No. 25-10/72/2024-PG, dated 06/08/2025
4. Annexure-IV: Guidelines of CEA for Cyber Security in Power Sector, 2021.

Annexure-I