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# ANNEXURE -18

## QUALIFYING REQUIREMENTS

*FOR*

**DESIGN, ENGINEERING, MANUFACTURE, SUPPLY,  
ERECTION, TESTING & COMMISSIONING CONTROL  
PHILOSOPHY, SDH, SCADA AND LILO TOWER, OPGW FOR LILO  
OF EXISTING MSETCL 220kV TROMBAY – NERUL AT  
EXISTING AEML 220kV CHEMBUR SUBSTATION**



## 1. INTRODUCTION

1.1. This document states qualifying requirements for the bidder who shall carry out the work of DESIGN, ENGINEERING, MANUFACTURE, SUPPLY, ERECTION, TESTING & COMMISSIONING FOR LILO OF EXISTING MSETCL 220KV TROMBAY-NERUL LINE AT AEML 220KV CHEMBUR RECEIVING STATIONS as detailed in Tender Document TD-SD-LILO of existing MSETCL 220KV Trombay-Nerul at Existing AEML 220KV Chembur Substation on Turnkey basis -351-RO. Bidder shall thoroughly go through the eligibility requirements & ensure to comply all requirements before submitting the bid.

Scope –

To establish LILO connectivity of existing MSETCL 220kV Trombay – Nerul line at existing AEML 220kV Chembur Substation following work is require.

- a. Construction of LILO tower near tower no 720 on MSETCL 220kV Trombay – Nerul line with necessary civil works.
- b. Removal of existing Earth Guard Wire of 220kV transmission line between MSETCL Trombay to MSETCL Nerul Substation and replace it with OPGW.
- c. Supply and commissioning of Control & Relay System, SDH Tele-Protection System with LT/Control Cable and spares at MSETCL Trombay and Nerul end
- d. Augmentation of Control & Relay System , SCADA pertaining to 2 nos 220KV GIS Bays at Chembur and supply & commissioning of new 33KV Auto restoration System with LT/Control Cable and spares at Chembur end .

Exclusion - Supply and laying of 220kV Cable from LILO tower to EHV chembur is not in the part of this specification

## 2. QUALIFICATIONS OF THE BIDDER

The bidders shall be required to meet each of the following requirements to the satisfaction of AEML for consideration of their bids.

### 2.1 TECHNICAL ABILITY:

- 2.1.1 The bidder shall procure the Transmission line towers, OPGW, Protection relays, SDH (Synchronous Digital Hierarchy), 220kV GIS related works from OEM, SCADA from OEM, or authorised dealers of OEM .

## Chembur Second Feed

## Qualifying Requirements

- 2.1.2 The OEM shall have servicing facility in India with necessary spares and testing equipment for providing prompt after sales service. Details of the set-up available shall be brought out in the offer, failing which the offer will be rejected. Bidder shall provide support within 24 hrs when requested; undertaking shall be submitted along with the bid.
- 2.1.3 The equipments offered should have been successfully type-tested as per relevant IEC and copies of the test reports shall be submitted along with the offer. Non-submission of type test reports will lead to rejection of the offer.
- 2.1.4 The bidder should possess ISO accreditation at the time of submission of the bid,
- 2.1.5 As per the international society for automation (ISA) standard 71.04-1985 site environmental condition is under G3 (severity level harsh) classification. Therefore, relays shall be provided with conformal coating. Bidder shall provide conformal coated relays which are suitable for G3 environmental condition.
- 2.1.6 The bidder should have credentials of supply, erection testing & commissioning of equipments in other power utility under PSU (NTPC, PGCIL etc) or Govt (State Electricity Board) or reputed organizations in private sector etc. during last seven (7) years ending on the day bid is submitted. The bidder need to furnish self attested photocopies of purchase orders (as applicable), work orders (as applicable) and work completion certificates.
- 2.1.7 Offer shall be supported by performance certificate for last three (3) years issued by any other power utility under PSU (NTPC, PGCIL etc) or Govt (State Electricity Board) or reputed organizations in private sector.

## 2.2 EXPERIENCE

- 2.2.1 Bidder should have executed at least one project including 220KV level on Turnkey or partial Turnkey basis in the last 5 years for supply, storage, erection, testing and commissioning for similar kind of projects.
- 2.2.2 The bidder to provide Owners Certificate confirming the Qualifying requirements.
- 2.2.3 The bidders shall provide satisfactory evidence to M/s AEML of their capability and adequacy of resources to carry out the Contract effectively. Bids shall include

documentary proofs including experience certificates) of:

**3. THE BIDDER SHALL SUBMIT FOLLOWING DOCUMENTS ALONG WITH BID FOR AEML REVIEW**

SI No	Document to be submitted
1	Company Profile / any other document which indicates establishment of company in the relevant field
2	Facility of after sale service in India
3	Description of the tools and plant available to the bidder for execution of the Work
4	Certificate indicating technical competency
5	Performance certificate from customers
6	Self attested list in company letter head indicating order details like name of buyer (utility name), order no, order description, quantity, year of order placement.
7	Certified copies of documents defining the constitution or legal status, registered office and principal place of business of the bidder
8	Purchase order placed by AEML ,if any
9	Power of attorney authorizing the signatory of the bid to commit the bidder

**4. DEVIATION:**

- 4.1.1 Any deviation from qualifying requirement stipulated in this document shall be strictly submitted in writing in prescribed format ("Deviation"), which is part of technical specification, along with the offer
- 4.1.2 Deviations not brought out in prescribed format and written elsewhere in the bid documents shall not be recognized and the same is treated as null and void.
- 4.1.3 Absence of such statement, it will be assumed that the bidder is complying with all qualifying requirements stipulated in this document.

4.1.4 COO Transmission / Head engineering is competent authority to approve the deviations.

**5. STATUTORY ASPECT:**

5.1.1 Valid copy (self attested) of GST and other statutory required registration certificates (PF, insurance, etc) for mentioned work should be furnished along with offer.

5.1.2 Valid copy of Company Registration Certificate (duly notarized) in case of Public Ltd. Co. / Pvt. Ltd. Co., copy of Partnership deed (duly notarized) in case of partnership firm, Affidavit disclosing sole proprietorship (duly notarized) in case of sole proprietorship business, as the case may be, should be furnished along with the offer.