

**INVITATION FOR BID (IFB)**  
**(LOCAL COMPETITIVE BIDDING)**

**1.0** The Maharashtra State Electricity Transmission Company Limited Mumbai, herein after referred to as the ‘Owner’ (MSETCL) invites bids through SRM e-Tender in TWO bid system (Techno-commercial Bid & Price Bid) from eligible bidders in India having executed similar projects in transmission sector on turnkey basis for establishment of 220kV GIS at Virar west (Chikhaldongri), Dist. Palghar under Vashi Zone Maharashtra.

**2.0 Scope of Work:-**

1	LILO on existing 220kV Boisar (PGCIL)- Vasai line at 220kV Chikhaldongri S/stn- 9 km (8 km O/H line & 1 km U/G Cable).
2	2 x 50 MVA, 220/22 kV T/Fs.
3	220 kV Transformer bays HV Side (GIS)-3 Nos.
4	220 kV Bus coupler bay (GIS)-1 No.
5	220 kV Line bays (GIS)-2 No.
6	22 kV GIS outlets- 18 Nos.

**SRM e-Tender No. T-2333 MSETCL/CO/Projects/ Pre-Tender (RFx No. 6000001150)**

Name of S/S	Estimated Cost in Rs. Lakhs (Excl. GST)	Completion period from date of site handing over (Excluding Monsoon i.e. 15/06 to 30/09)
Establishment of 220kV GIS at Virar west (Chikhaldongri), Dist. Palghar under Vashi Zone.	Rs. 12203.66 Lakhs (Excl. GST)	24 Months

**3.0 QUALIFYING REQUIREMENT**

In order to be qualified for award of Contract, the bidder will be required to satisfy the following minimum criteria, which will take precedence over any qualifying requirements that may be stated in the specifications or elsewhere in the bidding document. The bidder shall satisfy the following conditions:

Cl. No.	Qualifying Requirements
<b>3.1</b>	<b>STATUTORY QUALIFYING CRITERIA</b>
	<b>Statutory Licences/Registration</b>
3.1.1	The bidder or his associate should have a valid Govt. of Maharashtra Electrical Contractor’s License.
3.1.2	The lead bidder should be registered under GST. The bidder should have returns of preceding 3 financial years.
3.1.3	The lead bidder should be registered under P.F. Act.

<b>3.2</b>	<b>TECHNICAL QUALIFYING CRITERIA</b>
3.2.1	<p>a) The Bidder must have manufactured, type tested# (as per IEC or equivalent standard) and supplied atleast two (2) nos. of GIS circuit breaker equipped bays of 220 kV or above voltage class in one (1) GIS Substation or Switchyard during last seven (7) years and these bays must be in satisfactory operation for at least two (2) years as on the scheduled date of bid opening.</p> <p>b) The bidder should have executed the below mentioned turnkey works in last 5 years:  (I) Minimum One no. of 132 kV or above EHV GIS Substation with EHV Power Transformers in single order having at least 5 Nos. of EHV GIS Bays.  <b>OR</b>  (II) Minimum One no. of 220/132 kV or above AIS Substation in single order having scope of work as follows:  At least 10 Nos. of AIS Bays, out of which minimum required</p> <ul style="list-style-type: none"> <li>• 5 Nos. of 220 kV Bays</li> <li>• 5 Nos. of 132 kV Bays</li> </ul> <p><b>Note:</b> The Transformer commissioned on turnkey basis with owner's supply of Transformer will also be considered as bidder's experience.</p> <p>c) For Line works - The bidder should have constructed (including tower supply, foundation, tower erection and stringing) 220 kV or above voltage level Tower Transmission line of route length at least 50% of route length mentioned in the scope of this tender in single order in last 5 years.</p>
3.2.2	<p>In case, the Bidder is an Indian GIS manufacturer not meeting the requirement stipulated in clause 3.2.1 (a) above, but has established manufacturing and testing facilities in India for 132 kV or above voltage level Gas Insulated Switchgear (GIS), he shall also be considered, provided he meets the following requirements :</p>
	<p>a) The bidder must have manufactured, type tested# and supplied at least four no. of GIS Circuit Breaker bays at 132 kV level or above, provided further that his Joint Venture or Consortium partner or Collaborator(s) of the bidder meets qualifying requirements as per clause 3.2.1 (a) above.</p> <p><b>OR</b></p>
	<p>The bidder must have manufactured at least one (1) 220 kV or above voltage level GIS Circuit Breaker bay based on the technological support of the Collaborator(s) and the bidder either should have supplied or should have type tested# the above GIS bay (As per IEC or equivalent standard) as on the scheduled date of bid opening, provided further that the collaborator(s) of the bidder meets qualifying requirements as per clause 3.2.1 (a) above.</p>
	<p>b) The Bidder shall submit his bid in Joint Venture/ Consortium with erector who must have an experience as per 3.2.1 (b) &amp; (c).</p>
	<p>c) A legally enforceable undertaking (jointly with the parent company (Principals) or collaborator(s) or subsidiary company) to guarantee quality, timely supply, performance and warranty obligations as specified for the equipment(s).</p>
	<p>d) A valid collaboration agreement for technology transfer / license to design, manufacture, test and supply 220 KV or above voltage level GIS equipment in India.</p>

3.2.3	The C&R Panels and SCADA system for Protection and Automation purpose shall be supplied from the approved vendors of MSETCL and as per specifications of MSETCL.
3.2.4	<ul style="list-style-type: none"> <li>• The bidder should submit the user's certificate for successful commissioning and satisfactory operation for executed works, indicating commissioning date of the work with detail work order copy.</li> <li>• The Experience certificate should be issued by the officer of the rank of Executive Engineer or above from any of the State Power Utilities/ Central Power utilities/ or the private companies working in the Power sector having the Transmission licensees.</li> </ul>
3.2.5	The EPC bidders/GIS manufacturers can participate in only one bid by any means viz. either as Individual Bidder or in Consortium/Joint Venture or GIS Manufactures Authorization.
<b>Note:</b>	<p>1) GIS manufacturers who qualified in clause 3.2.1 (a) or 3.2.2 (a), (c) &amp; (d) can give MAF to EPC bidders adhering to other terms &amp; conditions.</p> <p>2) Multiple MAFs from same GIS manufacturer are not allowed. Multiple MAFs from single GIS manufacturer will be liable for rejection in tender.</p> <p>3) Two EPC bidders are not allowed in JV/ Consortium. Only one EPC bidder allowed either as an Individual or JV/Consortium with GIS manufacturer or MAF from GIS manufacturer.</p>
<b>Note:</b>	<p># Type Test conditions of GIS:</p> <ul style="list-style-type: none"> <li>• The GIS of offered voltage class should have been successfully type tested in the any accredited laboratories and as per relevant IEC standards.</li> <li>• The complete List of type tests carried out as per latest IEC shall be submitted with the offer, quoting reference of IEC clauses, test description / details and date of testing along with the detailed copies of the Type test reports.</li> <li>• All type tests on the GIS of offered voltage class and accessories should have been conducted successfully as on the scheduled date of opening of the bid and the design of the equipment shall not be changed. The bidder shall submit copy of the Type test reports with the offer.</li> <li>• The validity of type test certificate will be considered upto 10 Years provided there is no change in design.</li> </ul>
<b>Note:</b>	In case bidder is a holding company, the technical experience referred in clause 3.2.1 or 3.2.2 shall be of that holding company only (i.e. excluding its subsidiary/group companies). In case bidder is a subsidiary of a holding company, the technical experience referred to in clause 3.2.1 or 3.2.2 shall be of that subsidiary company only (i.e. excluding its holding company).
<b>3.3</b>	<b>FINANCIAL QUALIFYING CRITERIA</b>
3.3.1	The Minimum average annual turnover of the bidder in last three financial years should be not less than 60% of estimated cost.
3.3.2	Net Worth for last financial year should be positive.
<b>Note:</b>	In case bidder is a holding company, the Financial Position criteria referred to in clause 3.3 above shall be that of holding company only (i.e. excluding its subsidiary / group companies). In case bidder is a subsidiary of a holding company, the Financial Position criteria referred to in clause 3.3 above shall be that of subsidiary company only (i.e. excluding its holding company).

	In case bidder has established manufacturing facility in India and yet to complete three(3) financial years, average of the turnover as per financial statement for completed financial years shall be considered for the purpose of compliance to the specified MAAT requirements.
	The duly audited, verified & certified figures from Chartered Accountant will be considered for Annual Turnover & Net worth. The provisional certificates (if any) will not be entertained.
<b>3.4</b>	<b>IN CASE OF JOINT VENTURE / CONSORTIUM (Not more than two partners)</b>
3.4.1	The principal (lead) bidder who desires to bid against this specification may submit the offer jointly by entering into a legally valid agreement subject to fulfilment of following requirements.
	a) The bid, and in case of a successful bid, the Contract Agreement shall be signed so as to be legally binding on all the partners. b) Both partners of the Joint Venture / Consortium shall be jointly and severally liable for execution of the contract in accordance with the Contract terms.
3.4.2	Both partners of the Joint Venture / Consortium shall meet collectively the Financial criteria given at 3.3 above. However, the minimum average annual turnover of each Joint Venture / Consortium partner(s) (individually) shall not be less than 25% of the tender estimated value.
3.4.3	Each individual partner of Joint Venture / Consortium shall meet the minimum technical experience as per 3.2.1 (a) or 3.2.1 (b)&(c) or 3.2.2 as above subject to fulfilment of remaining qualifying criteria jointly by all the partners.
3.4.4	The lead partner shall be authorized to be in charge and this authorization shall be evidenced by submitting a duly registered/ notarized power of attorney signed jointly by legally authorized signatories of all the partners.
3.4.5	A copy of agreement entered into by the Joint Venture / Consortium partners as per format enclosed with bidding documents, shall be submitted with the bid.
<b>3.5</b>	<b>Schedules &amp; Bank Guarantee</b>
3.5.1	Bidders are requested to submit original colour scan copy of duly signed/sealed schedules as per format enclosed with bidding documents in support of qualifying requirements.
3.5.2	The bidder shall be required to furnish Bid Security Deposit (BSD) for an amount equal to 1% (one percent) of the estimated cost of tender in the form of Bank Guarantee from Scheduled Commercial/Nationalized Bank as per format enclosed with bidding documents along with the offer. The validity of Bank Guarantee should be atleast for Six (06) months from the scheduled date of techno-commercial bid opening. The Bank Guarantee shall be payable at Mumbai only.

#### 4.0 Special terms and conditions:-

- 4.1 As per the order from Ministry of Finance has issued on subject of insertion of Rule 144 (xi) in the General Financial Rules (GFRs), 2017 dated 23/07/2020. Refer the order in attachment and accordingly bidders sharing a land border with India has to do registration with Department for Promotion of Industry and Internal Trade (DPIIT). However, eligible bidder should submit the aforesaid registration documents and if not applicable, the Undertaking is to be submitted along with the bid.
- 4.2 Since, this work is important & critical in nature all the prospective bidders should visit the site to understand the scope of the work, site condition, other constructional issues/ROW, other constraints etc. The bidder have to visit the actual site on the date decided for site visit and submit the attendance certificate/proof, while submitting the bid with EMD BG. Non submission of proof will be liable for rejection of bid.
- 4.3 The bidder should furnish a legally enforceable Joint Deed of Undertaking duly notarized (Format Enclosed) to guarantee for quality & timely supply of tower material, from the manufacturer who is an approved vendor of MSETCL or PGCIL and have installed tower material manufacturing capacity of at least 10000 MT per year and should have fabricated and supplied at least 1000 MT of EHV transmission line towers cumulatively in last three years of voltage class as mentioned in scope of tender.

#### 4.4 Experience of Pile Foundations

**For Line:** The bidder should have installed cast-in-situ vertical bored pile foundation having minimum diameter of 800/1000 mm or above and having at least depth of 10 meters below ground level. The number of pile boring executed by bidder in previous contracts cumulatively should be at least 16 Nos.

**For Substation:** The bidder should have the previous experience of the construction of entire 132 kV or above EHV substation on pile foundations. (including the pile foundation for Control Room, Power Transformer, Gantry & Equipment foundations).

#### 4.5 Monopole MAF:

- The Monopole should be supplied from Manufacturer who have designed in-house the Monopole of tendered voltage class or higher voltage class. Further, the manufacturer should have type tested the similar Monopole in any NABL accredited Test Bed in India or in internationally accredited Test Bed (accreditation based on ISO/IEC vide 25/17025 or EN 45001 by the National accreditation body of the country where Test bed is located, please refer Annexure -I in Tech spec.). Similar means Highest degree for the tendered voltage or higher voltage class Monopole.
- The Manufacturer should be an approved vendor of MSETCL or PGCIL and should have fabricated and supplied at least 20 numbers or 50% of tender quantity of EHV transmission line Monopole (of tendered voltage class or higher voltage class) whichever is higher, cumulatively in last 5 years.
- Bidder has to submit the MAF (Manufacturing Authorization Form) who fulfils the above said criteria and multiple MAF is allowed.

## 5.0 General Points:-

- 5.1 The prices to be quoted against this IFB shall be in Indian Rupees only.
- 5.2 Evaluation of Price Bid and Award of tender will be on quoted price exclusive of GST.
- 5.3 A complete set of documents can be downloaded by the bidder from MSETCL's SRM e-Tendering website <https://srmetender.mahatransco.in> The cost of bidding documents should be paid online before the date of bid submission and the screen shot of successful payment transaction shall be uploaded with bid documents being submitted by the bidder.
- 5.4 The tender is invited as In-divisible composite works contract on uniform percentage basis. Bidders are requested to quote their offer as single percentage for all portions i.e. Supply, ETC and Civil portion and same percentage will be applicable for each item of price breakup. The tender will be considered as In-divisible composite Works Contract in totality.
- 5.5 The Contract shall be awarded on quoted price exclusive of GST. 100% GST payment shall be made against invoice submission. All other provisions of the tender remain in full force and effect, other than any provision that conflicts with the terms and spirit of this tender, which shall be deemed to be amended appropriately in order to be consistent with clause
- 5.6 The price variation will be applicable as per IEEMA provisions.
- 5.7 In case of any variation in statutory taxes/duties/levy or any new existing tax/duty/levy is revoked by the Government, the same shall be passed through either side. In certain cases production of valid documentary proof may be brought for.
- 5.8
  - a. The circular for Clarification on Price Variation calculations & Direct Online Payment of Land (RoW)/Crop/Tree Compensation to land owners/farmers from MSETCL account is applicable. (Please refer circular no. 2079 dtd. 22.03.2022 & circular no. 2645 dtd. 08.04.2022 attached in tender documents).
  - b. All the statutory charges/fees for obtaining NOCs from various government department, forest clearances, police protection & TILR charges etc. will be reimbursed to the contractor by owner on submission of document evidence.
  - c. The quantities for supply, ETC and Civil items are tentative and may vary. Actual materials and quantities to be supplied are to be worked out on detailed engineering. Any "extra item" that may be essential and required for completion of project, the bidder shall supply the same along-with its ETC and required civil work. The rate of extra item(s) shall be calculated based on latest available purchase order in last two years with MSETCL/SoR, considering the rate quoted by the bidder for this tender OR through budgetary offer.
- 5.9 Price variation shall be given on Ex-works price mentioned in MSETCL's estimation in price schedules or Bidders quoted Ex-works price whichever is lower.

- 5.10 It may please be noted that the taxes / duties will be paid / reimbursed as per actual OR as stated in price break-up statement whichever is lower on submission of valid documentary proof.
- 5.11 In tender Book –V i.e. Price Estimate, the Freight & Insurance and Labour Cess is included in the Ex-Works price of the item(s) unless mentioned separately. Bidder will have to denote F&I and L. Cess separately for each item in price schedule.
- 5.12 The bidders are requested to submit their financial documents (Turnover & Networth certificate) duly audited, verified & certified figures from Chartered Accountant and same should be generated with UDIN number. So, the same can be verified on <http://udin.icai.org>.
- 5.13 Interested bidders may obtain further information, if needed, on our Website <https://srmetender.mahatransco.in> or from the Office of, the Chief Engineer (Contracts & Monitoring), Maharashtra State Electricity Transmission Co. Ltd; 5th floor, Plot No. C-19, 'E'-Block, Bandra Kurla Complex, Bandra (East), Mumbai 400051. Tel No. 2659 5000 (Extn. No. 5163/5124) Fax No. (022) 26598587/26598590.
- 5.14 The new bidders are requested to complete the contractor registrations for SRM e- Tendering with MSETCL as per the procedure prior to the date of submission of the tender documents. The bids of only registered main/lead bidders will be entertained.
- 5.15 Bidders are requested to check/note all the published Amendment in the tender time to time and act accordingly. If estimated price of the tender changes, than bidder has to change their price bid before final submission of the tender or bid will be liable for rejection.

**6.0** Bidders are requested to note the dates for purchase, submission, and opening of bid documents as below:

a)	Starting Date of downloading	04.01.2024
b)	Price of bid document	Rs. 25,000/- + taxes
c)	Last date and time for submission of bid	05.02.2024 at 13:00 hr
d)	Last date for submission of Queries	12.01.2024 at 15:00 hr
e)	Date and time for opening of techno- commercial bid	05.02.2024 at 15:00 hr
f)	Date and time for opening of price bid of qualified bidders	Will be inform later

Kindly note that, the Pre-bid Queries should be send on Email: [ee13prj@mahatransco.in](mailto:ee13prj@mahatransco.in) only in Excel. The queries received after last date of submission of queries will not be entertained. In case the due date for sale, receipt and/or opening of bids happens to be a holiday, the next working day shall be the corresponding due date.

**Chief Engineer (Projects)**