

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 400 kV GIS at Pimpalgaon Dist., Nashik under Nashik Zone Maharashtra.

2.0 Scope of Work:-

- 1) 3x167 MVA, 400/220 kV ICT alongwith HV/LV GIS bays - 2 nos.
- 2) 1x167 MVA, 400/220 kV spare ICT alongwith HV/LV GIS bays -1 no.
- 3) GIS bays:
 - i) 400 kV line GIS bays - 4 nos.
 - ii) 400 kV GIS Bus coupler -1 no.
 - iii) 220 kV line GIS bays - 4 nos.
 - iv) 220 kV GIS Bus coupler - 1 no.
- 4) Reactors:
 - i) 125 MVAR, 400 kV GIS bus reactor- 1 no.
 - ii) 80 MVAR, 400 kV AIS line reactor- 2 nos.
- 5) Construction of 400 kV line by making LILO on both ckt of 400 kV Aurangabad-Boisar line - 1.136 kms.
- 6) Construction of 220 kV M/C line on 220 kV M/C towers by making LILO on both circuits on 220 kV Eklahare - Pimpalgaon line to proposed 400/220 kV Pimpalgaon GIS - 6.881 kms.
- 7) Reorientation of 132kV lines at existing 132 kV Ranwad s/s- 2 kms.
- 8) 132 kV AIS End bays at 132kV Ranwad s/s- 4 nos.

SRM e-Tender No. T-2313 MSETCL/CO/Projects/ Pre-Tender (RFx No. 6000001084)

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 400 kV GIS at Pimpalgaon Dist., Nashik under Nashik Zone.	Rs. 21426.10 Lakhs (Excl. GST)	24 Months (Including 12 months for all line & bay works)

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 Requirement
3.1	STATUTORY QUALIFYING CRITERIA Statutory Licences/Registration
3.1.1	The bidder or his associate should have a valid Govt. Electrical Contractor's License.
3.1.2	i) The lead bidder should be registered under GST. The Bidder shall submit the copy of GST returns of last 01 (One) year. ii) The Bidder shall submit the Income Tax returns for the last 3 (Three) Financial years.
3.1.3	The lead bidder should be registered under P.F. Act.
3.2	TECHNICAL QUALIFICATION CRITERIA
3.2.1	a) The Bidder must have manufactured, type tested# and supplied GIS equipments to complete atleast one (1) no. of Gas Insulated Substation (having 02 Nos. of ICT\TFs bays and 06 Nos. EHV feeder bays) of 400 kV or above voltage class during last seven (07) years and this Substation must be in satisfactory operation for at least one (01) year as on the scheduled date of bid opening.
	b) The bidder (Prime contractor or Lead Partner in Consortium/JV) should have executed the below mentioned turnkey works in last seven (07) years: (I) Minimum 01 (one) no. of 220 kV & above EHV GIS/AIS Substation with EHV Power Transformers in single order having at least 06 (six) Nos. of EHV GIS/AIS Bays. In addition to above - (II) The Bidder must have an experience of Supply, erection, testing & commissioning of work as given below: Atleast 04 (four) no. of 400 kV GIS/AIS bays, out of which minimum required 1. ICT/TF with Bays - 02 Nos 2. Line Bays - 02 Nos. The above Substation or Switchyard must be in satisfactory operation for one (01) year as on scheduled date of Bid opening. (The substation constructed on turnkey basis with owner's supply of Transformer will also be considered.)
	c) For Line works: The bidder should have constructed (including tower foundation, tower erection and stringing) 400 kV or above D/C Transmission line of route length at least *50% of (for this tender 1 km is required) route length mentioned in the scope of this tender in single order. The above 400 kV or above EHV line must be in satisfactory operation for one (01) year as on scheduled date of Bid opening. (*The present scope of the line is 1.136 kms & its 50 % and next rounding up is 1 km.)
3.2.2	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 400 kV or above voltage level Gas Insulated Switchgear (GIS) in last 7 (seven) years, he shall also be considered, provided he meets the following requirements :

3.2.2	<p>a) The bidder must have manufactured, type tested# and supplied at least (04) four no. of GIS Circuit Breaker bays at 220 kV level, provided further that his Parent company or Collaborator(s) meets qualifying requirements as per clause 3.2.1 (a) above.</p> <p>OR</p> <p>The bidder must have manufactured at least (02) two 400 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>
3.2.2	<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) & (c).</p> <p>c) A legally enforceable undertaking (with GIS manufacturer) to guarantee quality, timely supply, performance and warranty obligations as specified for the equipment(s) shall be submitted along with the bid.</p> <p>d) A valid collaboration agreement for technology transfer / license to design, manufacture, test and supply 400 KV or above voltage level GIS equipment in India shall be submitted along with the bid.</p>
3.2.3	<p>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.</p>
3.2.4	<ul style="list-style-type: none"> • 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. • The Experience certificate should be issued by the officer of the rank of Executive Engineer or equivalent / above from any of the State Power Utilities/ Central Power utilities/ or the private companies working in the Power sector.
3.2.5	<p>The GIS manufacturers having experience above can participate in only one bid by the way of either as Individual Bidder or in Consortium/Joint Venture or Manufacture Authorization.</p> <p>Note:</p> <p>1] In case GIS manufacturer opts to participate as sole bidder in this tender, he cannot give MAF to other EPC bidder.</p> <p>2] In case of MAF, the GIS OEM can give one (1) MAF for this tender.</p>
3.2.6	<p>a) The bidder shall submit the consent letter from GIS manufacturer stating that GIS manufacturer shall furnish Execution Support Bank Guarantee for an amount of 25% (twenty five) of the ex-works cost of such GIS equipments. This Execution Support Bank Guarantee shall valid till supply of all the GIS as per scope of tender at site. (This Execution Support Bank Guarantee shall be in addition to Contract Performance Bank Guarantee to be submitted by the bidder.)</p> <p>b) The bidder shall submit the undertaking from GIS equipments manufacturer to extend technical support for the supplied GIS equipments for at least 10 (ten) years with assurance for timely supply of spares.</p>

Note:	<p># Type Test conditions of GIS:</p> <p>a) The GIS of offered voltage class should have been successfully type tested in the any accredited laboratories and as per IEC (as per IEC 62271-203) standards.</p> <p>b) 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.</p> <p>c) 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. Provided there should not be any change in design of GIS equipments in between type test and schedule date of bid submission.</p> <p>d) The validity of type test certificate will be considered upto 15 (fifteen) Years (as per prevailing CEA guidelines) provided there is no change in design of GIS equipment.</p>
3.3	FINANCIAL QUALIFYING CRITERIA
3.3.1	The Average Annual Financial Turnover of the bidder during the last three Financial Years shall not be less than 60% of the estimated cost of Tender. The bidder should submit the Turnover certificate duly certified by Chartered Accountant along with UDIN (Unique Document Identification Number).
3.3.2	The Bidder should have Net worth (which is defined as “Equity share capital + Reserves – Revaluation reserves – intangible assets – Miscellaneous expenditure to the extent not written off and carry forward losses”) of not less than 25% (Twenty-Five Percent) value of estimated cost of tender offered. The bidder should submit the Net-worth certificate for last Financial year duly certified by Chartered Accountant along with UDIN (Unique Document Identification Number).
Note:	<p>1) 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 if any). 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).</p> <p>2) 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.</p>
3.4	IN CASE OF JOINT VENTURE / CONSORTIUM (Two Partners)
3.4.1	<p>The principal (lead) bidder who desire to bid against this specification may submit the offer jointly by entering into a legally valid JV agreement subject to fulfilment of following requirements:</p> <p>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.</p> <p>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.</p>
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.
3.5	Schedules & Bank Guarantee
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 The bidder should shall 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 50000 MT per year and should have fabricated and supplied at least 3000 MT of EHV transmission line towers cumulatively in last three years of voltage class as mentioned in scope of tender.
- 4.3 The bidder have to visit the actual site on the date decided by MSETCL and will be intimated in Tender's RFx.
- 4.4 **For Monopole Supply:**
- 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 specs.). 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.

4.5 **For EHV Cable Supply:**

- The EHV Cable should be supplied from Manufacturer who have experience in manufacturing and supplying of **220 KV** or higher voltage class cables for at least last five (5) years.
- The Manufacturer should have carried out Design, Engineering, Manufacturing, Type & PQ Testing on cable system as per relevant IEC along with accessories; earlier and Supplied at least aggregated route length not less than "**3" Ckm** (3 phase Circuit KM.) of **220 kV** voltage class or above EHV single core XLPE lead / corrugated Aluminum/poly Al laminated sheath copper cable of size as mentioned in the scope of tender or above size with accessories and the cables supplied by the manufacturer should have been in satisfactory operation for a minimum period of 2 years as on the date of bid opening.

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.
However, the completion period for the work i.e. Substation/Lines/End bay will be consider separate and accordingly, Time Limit Extensions, Extra items, Short closure & Completion will be dealt separately as per Book-I.
- 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.

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

a)	Starting Date of downloading	06/06/2023
b)	Price of bid document	Rs. 25,000/- + taxes
c)	Last date and time for submission of bid	07/07/2023 at 13:00 Hrs.
d)	Last date for submission of Queries	15/06/2023 at 17:00 Hrs.
e)	Date and time for opening of techno- commercial bid	07/07/2023 at 15:00 Hrs.
f)	Date and time for opening of price bid of qualified bidders	Will be informed later

Kindly note that, the Pre-bid Queries should be send on Email: 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)