

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 132/33 kV Hybrid GIS substation at Jat-Tarodi Dist. Nagpur along with laying of 132 kV DC U/G cable from 132 kV Paradi S/S to 132 kV Jat-Tarodi S/S under Nagpur zone Maharashtra.

Scope of Work:-

Name of S/S	Scope of work
Establishment of 132/33 kV Hybrid GIS substation at Jat-Tarodi Dist. Nagpur	1) 132kV underground D/C cable laying work from 132kV Pardi s/s to 132 kV Jat-Tarodi s/s – 10.0 kms 2) Establishment of 50 MVA, 132/33kV transformer with bays-2 Nos. 3) 132 kV Hybrid GIS line bay –2 Nos. (At proposed 132kV Jat-Tarodi s/s) 4) 33kV Outlet – 12 nos. (Outlets to be constructed as per requirement)

SRM e-Tender No. T-1957/MSETCL/CO/C&M/Pre-T/SS Pre-Tender (RFx No. 6000000782)

Name of work	Estimated Cost in Rs. Lakhs	Completion period from date of site handing over
Establishment of 132/33 kV Hybrid GIS substation at Jat-Tarodi Dist. Nagpur along with laying of 132 kV DC U/G cable from 132 kV Paradi S/S to 132 kV Jat-Tarodi S/S	9712.06 Lakhs	18 Months (Excluding Monsoon period from 15 June to 30 September)

2.0 MINIMUM QUALIFYING REQUIREMENTS FOR THE BIDDERS

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 qualification requirements that may be stated in the specifications or elsewhere in the bidding document. The bidder shall satisfy the following conditions:

2.1. Technical Qualifying Requirement

2.1.1 Technical Experience

- a) The bidder should be EHV cable manufacturer & having experience of supply and laying, jointing, terminations & commissioning of cable as mentioned in clause No. 2.1.2 & 2.1.3 below respectively.
- b) The JV consisting of maximum two members who can be:
 - i) Manufacturers of **132 kV** or higher voltage grade XLPE insulated cable meeting the technical experience as mentioned in clause No. 2.1.2 below.
AND
 - ii) Erector having experience as mentioned in clause No 2.1.3 below
Both the members of JV shall meet collectively, the requirements of clauses No. 2.1.2 and 2.1.3 below. The Techno-commercial and legal arrangement between the JV members shall be in line with the clause No.2.2 below. All the documents/evidences as required should be submitted along with the Techno-Commercial Bid.
 - iii) It will be mandatory that one of the JV members shall be manufacturer & one member shall be erector. Both erector members are not allowed. However single member with manufacturing & erecting capacity will be allowed.
- c) The EPC agency who has registered in India and not meeting criteria i.e. who is not a manufacturer of cable and/or accessories can also participate as a sole Bidder with the undertaking from cable manufacturer, who meets the criteria as mentioned at 2.1.2 below. The bidder should also have the experience of Supply, laying, jointing, termination & commissioning of aggregate length of 10 Ckt Kms (3 Ph Ckt Kms) of 132 kV and above EHV Cable of size as mentioned in the scope of tender or above with accessories & the same should be in satisfactory operation for period of 2 years as on the date of bid opening.
Note:
 - 1) Indian cable manufacturer can participate in the tender in any form, i.e. sole bidder or through MAF, provided that should not have more than two bids in single tender.
 - 2) Foreign cable manufacturer can give one MAF to Indian EPC bidder.

In this case the EPC Bidder shall submit the letter of undertaking & scan copies of original documents meeting the qualifying requirement mentioned in clause no 2.1.2 from the cable manufacturer. The EPC Bidder shall be solely responsible for the quality of the cable as well as accessories.

- d) Indian manufacturers who have Technical Collaboration with a foreign firm (collaborator) or the cable manufacturers who have established production line in India for cable based on technological support of their parent company/ principal provided the said Collaborator or the said Parent company/Principal meet the experience as mentioned in clause no. 2.1.2 below and laying, jointing, termination and commissioning is carried out by either such manufacturer himself meeting criteria in clause 2.1.3 or through an erector meeting criteria

at clause 2.1.3 provided Indian manufacturer or subsidiary have conducted type test as per IEC on cable system. The Techno-commercial and legal arrangement between them shall be as per clause 2.1.4 below. A confirmation letter from the cable manufacturer/collaborator/ Parent Company/Principals along with the bid stating that cable manufacturer or the collaborator/ Parent Company/Principals shall furnish an additional performance guarantee for an amount of 10% of the cost of such cable system. All the documents/evidences as required in this regard should be submitted along with the Part-I, Techno-Commercial bid.

- (e) The Bidders shall submit the proof of work executed by them along with the Performance Certificates

2.1.2. Experience for 132 kV Cable System Manufacturer(s):

Manufacturer(s) of Cable/Cable system should:

- a) Have experience in manufacturing and supplying of **132 KV** or higher voltage class cables for at least last five (5) years as on the date of bid opening.
- b) The Manufacturer should have carried out Design, Engineering, Manufacturing, Type Testing on cable system as per relevant IEC along with accessories; earlier and Supplied at least aggregated route length not less than "**5" Ckm** (3 phase Circuit KM.) of **132 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 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.
- c) Have designed, manufactured, Type tested as per IEC, and supplied the joints & terminations for **132 kV** or higher class cable system for last ten years as on the date of bid opening which must be in satisfactory operation for at least 2 (two) years as on the date of bid opening.

OR

The Bidder can Supply the joints & terminations from such accessory manufacturers (other than cable manufacturers) who have designed, manufactured, Type tested as per IEC, and supplied joints and termination for **132 kV** or above voltage class cable system (including GIS termination) for last ten years as on the date of bid opening which must be in satisfactory operation for at least 2 (two) years as on the date of bid opening.

- i) Supplied at least 50% joints & terminations (combined) of the quantity mention in the scope of tender, for **132 kV** or higher class cable system in last ten years as on the date of bid opening. Which must be in satisfactory operation for at least 2 (two) years as on the date of bid opening.
- ii) The Type Test should not be older than 10 Years as on the date of bid opening.

- iii) The Cable/accessory manufacturer has to give assurance that hot spares will be supplied within 7 days from the date of our order and the vendor also has to ensure the availability of jointer/supervisor within 7 days from date of intimation. Cable manufacturer who has the in house execution team will be preferred. However, in case of a tie up with a separate erection vendor, the cable supplying vendor i.e. cables manufacturer will remain the sole responsible for the entire scope of work.

2.1.3. Experience for Laying, Jointing, Termination Testing & Commissioning:

The erectors for laying, jointing, terminating, testing & commissioning should be:

- i) The erectors who have successfully executed a contract of underground cable, laying, jointing, termination and commissioning of aggregated length of line not less than '**5' Ckm** length of line (3 phase Circuit km) of **132 kV** or higher voltage XLPE insulated cable which must be in satisfactory operation for at least two years as on the date of bid opening.
- ii) Cable laying, jointing and termination shall be carried out under supervision of cable manufacturer only. For erection work, Jointers for **132 kV** cable should be certified by the accessory manufacturer.
- iii) The erector should have, in last 5 years executed the work on turnkey basis including civil works, supply, erection, testing & commissioning of minimum one no. of 132 kV EHV bay. (AIS/GIS/Hybrid GIS)**

2.1.4. Techno-Commercial and Legal Arrangement for Indian Manufacturer with Foreign firm for Foreign Collaboration and for Foreign Firm establishing plant in India with their Parent Company:

- 1. The Foreign Manufacturers who have established production line in India for cable or the foreign collaborators, as referred in para 2.1.1 (d) above should have requisite experience as provided in clause 2.1.2 and 2.1.3 for complete design, manufacture, laying, jointing, terminations & commissioning of XLPE cable of **132 kV** and above voltage class provided Indian manufacturer or subsidiary have conducted type test as per IEC on cable system. Indian cable manufacturers referred in para 2.1.1 (d) above shall enter into Technical Collaboration agreement with the aforesaid foreign firm for complete design, manufacture, engineering and testing, of XLPE cable of **132 kV** and above voltage class.
- 2. The cable manufacturer shall furnish a legally enforceable undertaking to guarantee quality, timely supply, performance and warranty obligations and be responsible under the contract in accordance with the requirement of the contract.
- 3. The Collaborator/ Parent Company/ Principals should ensure backup support for 5 years for successful operation of the offered cable and accessories.

4. Such bidder should be duly authorized by the Collaborator/ Parent Company/Principals to supply and / or install the cable system in the owner's country.
5. A confirmation letter from the cable manufacturer/ collaborator/ Parent Company/Principals along with the bid stating that cable manufacturer or the collaborator/ Parent Company/ Principals shall furnish an additional performance guarantee for an amount of 10% of the cost of such cable system. This performance guarantee shall be in addition to the contract performance guarantee to be submitted by the bidder for technical support of the Collaborator/ Parent Company/ Principals. However, the bidder shall be responsible for the overall performance of the contract.
6. All the above documents shall be submitted by the bidder along with the bid.
7. The above contract performance guarantee from the manufacturer or collaborator/Parent Company/ Principals shall be submitted from its bank in favor of owner as provided in the bidding documents.

2.2 Eligibility of bidder as JV:-

- (i) They shall have legally valid JV agreement
- (ii) The number of members in the JV should not be more than two including the lead member.
- (iii) The stipulated qualifying requirements as per clause 2.1.2 and/or 2.1.3 should be met individually and 2.3 are jointly fulfilled by both members.
- (iv) One of the members shall be nominated as Lead member, and the Lead member shall be authorized to be in charge and this authorization shall be evidenced by submitting a power of attorney signed jointly by legally authorized signatories of both members.
- (v) Both the members of the JV shall be liable jointly and severally for the execution of the contract in accordance with the Contract terms and shall submit an undertaking on a valid stamp paper of appropriate value accepting the same (in the enclosed standard format). The roles and responsibilities shall be clearly indicated in the legally signed document.
- (vi) For qualification, "On-Line" submission shall be accompanied by following documents: (Color scanned copies of original documents / Color scanned Xerox copies duly attested in blue ink by statutory auditors of Bidder).
 - a) Registration in MSETCL SRM e-tendering of appropriate class & Category. (In case of JV at least any one of the JV Member should be registered in appropriate class.)
 - b) Tax Registration Certificate (GST) (Lead bidder, Indian)
 - c) Valid Solvency Certificate. (Both Member)
 - d) Income Tax Permanent Account Number (Lead bidder, Indian)
 - e) In case of JV, notarized copy of agreement shall be submitted along with the application.

2.3 Financial Qualification Requirement for Bidder

2.3.1 TURN OVER

The Bidder should have the Minimum Annual Average Turnover* (MAAT) of at least 100% of estimated cost of tender offered in the last three years i.e. 36 months. In case of JV, Lead member shall meet not less than 80% and the other member not less than 30% of the Minimum Annual Average Turnover. Date of exchange rate should be last day of March for that particular year. Audited balance sheets for the specified last three years duly certified by Chartered Accountant only to be submitted.

Note- If bids are called between 1st April & 30th September of the year then latest audited financial year shall be a year before previous year for financial criteria.(for e.g. if bids are called between 1st April 18 & 30th Sept.18, then latest audited financial year shall be a year before previous year for financial criteria i.e. 2017-18)

2.3.2 NET WORTH

The Bidder should have a positive Net worth of last 3 financial years and profit for every year. The original CA certified copy of the same has to be uploaded with bid documents.

AND

The bidder shall submit audited balance sheets for the specified last three years duly certified by Chartered Accountant.

- 2.3.3 The Bidder shall submit undertaking along with bid that, he will submit dedicated revolving line of credit for an amount not less than 25% of the estimated cost of the works from their Bankers before issuance of LOA in case the bidder is qualified L1 bidder.
- 2.3.4 A declaration to the effect that the Bidder does not anticipate change in his ownership during the proposed period of the work till successful completion of warranty period (If such a change is anticipated, the scope and effect thereof, shall be defined) shall be submitted with the offer.
- 2.3.5 In case bidder is a holding company MAAT and the Net worth referred to in clause 2.3.1 and 2.3.2 above shall be that of holding company only (i.e. excluding its subsidiary/group companies)
- 2.3.6 In case bidder is a subsidiary of a holding company, MAAT and Net Worth referred to in clause 2.3.1 and 2.3.2 above shall be that of subsidiary company only (i.e. excluding its holding company).
- 2.4 The EHV cable and accessories of offered voltage class **132 KV** or above of size as mentioned in the scope of tender or above of copper should have been successfully Type

tested earlier. Such type test should not be older than 10 years as on the date of bid opening. The type test should have been certified by any of the following National/International Accredited Laboratories.

- 1) CPRI, India
- 2) CESI, Italy
- 3) KEEMA, Holland
- 4) F.G.H., Germany
- 5) CERL, UK
- 6) EDS, France
- 7) Hydro-Quebec, Canada
- 8) KERI, Korea.
- 9) CRIEPI, Japan
- 10) EDF, France
- 11) IPH, Germany
- 12) STRI, Sweden

The details of complete List of type tests carried out on cable system, as per latest relevant IEC for voltage class **132 KV** or above shall be submitted with the offer, quoting reference of IEC clauses, test description/details and date of testing along Certified copy of original certificate and certified copy of the English version in case original is in a language other than English shall be uploaded as documentary evidence. The type test should have been conducted on the cable as well as accessories manufactured in the plant from where the bidder is proposing to supply the tendered cable system.

- 2.5 The owner shall verify the setup of the bidder or his JV to assess his capacity & capability. The bidder should submit the details of works completed in last 5 years, works in hand in duly attested statement. The past performance of the bidder or his JV in execution of the contracts in MSETCL shall be verified while considering the offer for qualification.
- 2.6 Cable/accessory manufacturer has to give assurance that hot spares will be supplied within 7 days from the date of our order and the vendor also has to ensure the availability of jointer/supervisor within 7 days from date of intimation.
- 2.7 The Successful Bidder should have sufficient skilled manpower certified by the cable manufacturer/ accessory manufacturer to carry out the work of minimum 60 Nos of cable joints per month; from the date of start of cable jointing work. Failing which a penalty of 1 % of contractual amount shall be levied, which shall be in addition to levy of LD.

[The bidder shall submit duly notarized photo/scan copy of performance certificate issued by the utility/end users along with the copy of details of work order and document related to clause 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, & 2.7.]

3.0 OTHER MANDATORY DOCUMENTS FOR VALID BID

- 3.1 Original colour scan copy of duly signed/sealed schedules given in tender documents.
- 3.2 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/Nationalized Bank in the prescribed format annexed in the tender specifications as schedule 'D', along with the offer. The validity of Bank Guarantee should at least be for six (6) months from the originally scheduled date of techno-commercial bid opening. The Stamp Duty should be paid as applicable, in Maharashtra

4.0 SPECIAL TERMS AND CONDITIONS: -

- 4.1 The GIS/Hybrid bays should be type tested for the offered voltage class at any accredited lab as per technical specifications.**
- 4.2 The bidder shall submit authorization from the GIS/Hybrid manufacturer who has manufacturing & testing facilities for 132 kV or above voltage level GIS/Hybrid in India at the time of scheduled date of bid opening and type test reports from accredited lab should be submitted along with bid.**
- 4.3 The GIS/Hybrid bays to be supplied for the project should be procured from such manufacturer who must have manufactured, type tested# (as per IEC or equivalent standard) and supplied atleast two (2) nos. of GIS/ Hybrid GIS circuit breaker equipped bays of 132 kV or above voltage class in one (1) GIS / Hybrid GIS Substation or Switchyard during last Five (5) years.**

5.0 General Points:-

- 5.1 The prices to be quoted against this IFB shall be in Indian Rupees only.
- 5.2 A complete set of documents can be downloaded by the bidder from MSETCL's SRM e-Tendering website <https://srmetender.mahatransco.in> 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.
- 5.3 The tender will be considered as In-divisible composite Works Contract in totality.
- 5.4 The price variation will be applicable as per IEEMA provisions.
- 5.5 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.
- 5.6 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.

5.7 In tender Book –IV i.e. Price Estimate, the Freight & Insurance and Labour Cess is included in the Ex-Works price of the item unless mentioned separately.

- 5.8 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.
- 5.9 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>.
- 5.10 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.
- 5.11 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.

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

a)	Starting Date of downloading	20.09.2019
b)	Price of bid document	Rs. 25,000/- + taxes
c)	Last date and time for submission of bid	22.10.2019 at 13.00 Hrs
d)	Pre bid meeting	11.10.2019 at 15.00 Hrs
e)	Last date for submission of Queries	14.10.2019 at 15.00 Hrs
f)	Date and time for opening of techno- commercial bid	22.10.2019 at 15.00 Hrs
g)	Date and time for opening of price bid of qualified bidders	Will be informed later

Kindly note that, 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. **Queries should be send on ee13prj@mahatransco.in only.**

Chief Engineer (C&M)