



MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO LTD

 <p>MAHATRANSCO Maharashtra State Electricity Transmission Co. Ltd. महाराष्ट्र अधिकार</p>	<p>Office of the Executive Engineer EHV O & M DIVISION, Pimpri Chinchwad Bijali Nagar, Chinchwad, Pune E mail ID – eepcdnoffice@gmail.com</p>	 <p>URS UKAS QUALITY MANAGEMENT 043 ISO 9001:2008 CERTIFIED ORGANISATION</p>
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No.: EE/PCDN/Pune/Tech./ 922

Date: 20.10.2023

Sub:- SRM e-enquiry for the work of attending severely rusted tower legs by stub strengthening along with chimney height raising on Urgent Basis within the jurisdiction of Line Maintenance Sub-division under EHV O&M Division, Pimpri Chinchwad, Pune. (RFx No.7000028741)

Dear Sir,

Online bids are invited in two bid system for SRM E-enquiry in r/o the work of attending severely rusted tower legs by stub strengthening along with chimney height raising on Urgent Basis within the jurisdiction of Line Maintenance Sub-division under EHV O&M Division, Pimpri Chinchwad, Pune **on or before 27.10.2023,18:00Hrs** on following terms and conditions:-

TERMS AND CONDITIONS

Submission of bid

Two bid systems should be followed for submitting the offer. Uploading of required documents shall be done on MSETCL's SRM E-tender website <https://srmetender.mahatransco.in/>

A. Techno –Commercial bid:

This should contain following valid documents certificates as a proof of qualifying pre-requisites, brochures, etc.

1. Scanned copy of EMD & tender fee receipt. In case of EMD exemption shall submit an undertaking duly notarized stating that enterprise shall supply all the materials of intended work contract, manufactured from its own unit. Also the registration of Micro & small enterprises should be valid on the date of submission of bid & the validity of same should be verified by certified chartered accountant in practice.
2. Valid copy of PAN card.
3. Valid copy of GSTIN registration
4. I.T return for the year FY 2021-22, FY 2022-23.
5. Valid shop act & establishment registration or NOC of Grampanchayat or Udyog Aadhaar certificate.
6. Valid Electrical contractor(registration) License
7. Work order copies having successfully completed subject works (i.e. work of stub strengthening along with chimney height raising of EHV lines) in MSETCL/other Public Sector Utility (PSU) during last five years ending last day of month previous to the one in which applications are invited.

For above work order, satisfactory work completion certificate is mandatory not below the rank of Executive Engineer.

All general / technical/ commercial terms & conditions of the contract of the company are applicable to this contract.

B. Commercial bid:-

Bidder should upload the digitally signed price bid under commercial bid online.

1. Techno-commercial bid will be opened online for all received bids. After verifying the all documents /certificates submitted in techno commercial bid for prequalification as mentioned above, if it is found that, the tender fulfills the desired prerequisites; the price bid will be opened online. If the same is not found to be meeting the prerequisite, the commercial bid shall not be opened. Tenders with incomplete details or not submitted in prescribed tender form etc. are liable to reject.
2. This office reserves all the rights to reject any or all tenders without assigning any reasons thereof.
3. The technical documents should be uploaded in the technical bid & commercial documents /offer/price bid should be uploaded separately, in case both technical & commercial bid are uploaded in one file wrongly, the offer will be rejected.
4. **AGREEMENT** :- Bidder will have to execute the agreement bond with Executive Engineer, EHV O & M Division Pimpri Chinchwad, Pune on stamp paper of 500/-. The cost of stamp paper will be borne by you.
5. **SECURITY DEPOSITE:** - Bidder will have to pay **Security Deposit of 10% of the work order value** within 7 days from the date of issue of work order in the form of FDR/D.D. of any Nationalized/ scheduled Bank in the favour of “MSETCL” at the office of The Executive Engineer, EHV O&M Dn Pimpri Chinchwad Pune, valid for one year or online payment NEFT/RTGS. If you fail to do so, the SD will be recovered from your first bill with interest i.e. 18% applicable. The Security deposit will be refunded only after satisfactory completion of the guarantee period. Also, you will have to apply for refund of SD within 6 months after completion of guarantee period. If you fail to apply within stipulated period, the action as per CO’s rules will be taken.
6. **WORK COMPLETION PERIOD** :- The work should be executed as per work execution schedule within eight(08) months from date of handing over of site.
7. **WORK EXECUTION SCHEDULE:** The work should be carried out immediately as per instruction of Executive Engineer or Engineer Incharge. The detailed scope of work is as follow:

I. Stub Strengthening work involved:

- (i) Excavation / breaking of existing foundation around the tower leg. Breaking the cement concrete of chimney upto the affected, corroded portion of stub. Cleaning and surface preparation of tower stubs.
- (ii) Drilling of suitable size G I angles for inner side & outer side sections with making required arrangement at site.

- (iii) Painting the pieces / tower members upto 3 mtrs. section and stub on either side with epoxy polyamino amide base resin.
- (iv) Drilling the angle pieces to the stub. The drill should be pieced & lengthwise at a distance of suitable gap of the stub and the angle piece should be filled with high & low viscous epoxy grout to avoid voids in gaps. On filling the gap, the top & bottom sides should be sealed by cold welding.
- (v) Application of one coat of epoxy resin as a primer. Application of EPI resin base coat on the whole surface (around the stub) upto length of 1.5mtr. Wrapping EPI plast strengthening material round the joint. Impregnating EPI wetting resin in joint if any filling by epoxy adhesive.
- (vi) Concreting of in the situ 1:2:4 concrete of existing size including raising of chimney height of the stub including muffing etc. in all respect. Application of curing agent after four to five days or sufficient curing period on the concrete surface. Back filling, removal of debris, cleaning the site etc as per directives of work in-charge. All T & P, manpower, material etc. shall be arranged by the contractor.

II. Chimney height raising work involved :- Excavation of footing of 1Mtr. X 1Mtr.X 0.3Mtr. around chimney, breaking of existing concrete chimney 0.3 Mtrs from ground with the help of Chisel & hammer, cleaning of leg, painting with epoxy paint upto 2 Mtrs. Providing & Casting of 1:2:4 grade CC mix of trap metal upto 0.2 Mtr. above ground level for chimney by using steel / plywood form box, concreting, curing etc. complete in all respects..

8. **QUALITIES OF WORK** :- The work should be carried out as per satisfaction of Executive Engineer or Engineer Incharge & as per schedule ‘ A’, otherwise same will be rejected and you will have to replace / repairs at your own risk and cost only.

9. **SUPPLY OF MATERIAL:** The required material should be as per standard.

10. **VALIDITY:** validity of the order is upto one year from the date of issue of order or exhaust of order amount.

11. **PENALTY:**

a. **Performance of work:** If it is found that performance of work is unsatisfactory, or not as per norms of MSETCL, the contract is liable for termination at any stage of work without giving any prior notice and at contractor’s entire risk & cost. The security deposit paid by the contractor shall be forfeited in that case.

b. **Delay in execution of work:** In case of delay in execution of work beyond work completion period, penalty @ ½ % per delayed week, maximum to 10% of order amount shall be levied on contract value.If the work is not carried out in the stipulated period, the works will be got done departmentally or through any other agency at your risk and cost even at higher rates, in addition to the penalty that shall be chargeable as mentioned above.

c. **Penalty for partly completion of work:** In case the contractor fail to complete the work entrusted, partly or fully, the balance work will be carried out through other agency and difference in cost will be recovered from contractor’s bill and S.D. & the over & above

- balance shall be recovered from contractor or else penalty will be charged, **maximum** up to 10 % of order value whichever is higher.
- d. To impose penalty in above (a), (b) & (c) case, for execution of work is discretion of AEE, Line Maintenance Sub-division, Pimpri Chinchwad under EHV O&M Division, Pimpri Chinchwad
12. **GUARANTEE**: The work as a whole shall be guaranteed for trouble free service for period of 24 months from the date of work carried out. If supply material found defective due to bad design or workmanship that should be replaced by you free of cost within guarantee period.
13. **SUBMISSION OF BILLS/PAYMENT OF BILLS**: The tax invoice/if applicable E-Invoice along with MOM jointly certified by AEE, Line Maintenance Sub-division, Pimpri Chinchwad & the authorized supervisor of the agency should be submitted in triplicate to AEE, Line Maintenance Sub-division, Pimpri Chinchwad. You will have to provide Bank Details along with bill for RTGS/ NEFT Payment. Advance Revenue stamp receipt to be provided along with Bill. Please quote PAN No. on your bill. The service entry of the bills will be carried out by AEE, Line Maintenance Sub-division, Pimpri Chinchwad in SAP. Scrutinizing & auditing will be done at Division Office and payment will be effected accordingly subject to availability of funds.
14. In case of difference of opinion about any interpretation of any clause of term and condition arising during the period of the contract the decision of the undersigned will be final and binding on you.
15. **TERMINATION OF CONTRACT**:- The undersigned reserves the right to accept or reject the enquiry in part or full. The undersigned reserves the right to terminate the contract at any time during the contract period by giving appropriate notice of 3 days, if it is found that the contractor is not able to cope up with or discharge duties satisfactory/or not able to execute the work as per the order conditions. The discretion of the contract operating authority shall be final & binding on the contractor. Undue delay in completion of contract work is also liable to getting the work done through other agencies at the risk and cost of the contractor.
16. **Jurisdiction**: All dispute or differences arising under out of or in connection with this contract, if concluded, shall be subject to exclusive jurisdiction of PUNE court only.
17. **GENERAL**: You should make yourself fully aware of M.S.E.T.Co.Ltd.'s general condition of contract for supply of material and execution of work.
18. **WORK CONTRACT TAX**: As per prevailing rates will be deduct from your bill, if applicable.

Yours faithfully,

Sd/-

Executive Engineer
EHV O & M Division, Pimpri Chinchwad

Copy to:

1. The Dy. Manager (F&A), Dn Pimpri-Chinchwad, Pune.
2. Notice Board

M/F

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED,
EHV O & M DIVISION, PIMPRI CHINCHWAD, PUNE.**

SCHEDULE 'A'

Sub:- Work of attending severely rusted tower legs by stub strengthening along with chimney height raising on Urgent Basis within the jurisdiction of Line Maintenance Sub-division under EHV O&M Division, Pimpri Chinchwad, Pune

Sr.No.	Name of Item	Capacity	Unit	Qty	Rate excluding all taxes	Amount
(A) Service Portion						
a	Attending severely rusted tower legs by straitening and increasing chimney height-					
a	<p>Stub Strengthening work involved:</p> <p>(i) Excavation / breaking of existing foundation around the tower leg. Breaking the cement concrete of chimney upto the affected, corroded portion of stub. Cleaning and surface preparation of tower stubs.</p> <p>(ii) Drilling of suitable size G I angles for inner side & outer side sections with making required arrangement at site.</p> <p>(iii) Painting the pieces / tower members upto 3 mtrs. section and stub on either side with epoxy polyamino amide base resin.</p> <p>(iv) Drilling the angle pieces to the stub. The drill should be peccied & lengthwise at a distance of suitable gap of the stub and the angle piece should be filled with high & low viscous epoxy grout to avoid voids in gaps. On filling the gap the top & bottom sides should be sealed by cold welding.</p> <p>(v) Application of one coat of epoxy resin as a primer. Application of EPI resin base coat on the whole surface (around the stub) upto length of 1.5mtr. Wrapping EPI plast strengthening material round the joint. Impregnating EPI wetting resin in joint if any filling by epoxy adhesive.</p> <p>(vi) Concreting of in the situ 1:2:4 concrete of existing size including raising of chimney height of the stub including muffing etc. in all respect. Application of curing agent after four to five days or sufficient curing period on the concrete surface. Back filling, removal of debris, cleaning the site etc as per directives of work in-charge. All T & P, manpower, material etc. shall be arranged by the contractor. Work is to be guaranteed for</p>					

	the period of 2 years.				
a	Suspension Tower ii) Upto 220kV Tower	Per Leg	6	19749.66	118497.96
b	Tension Tower ii) Upto 220kV Tower	Per Leg	4	22571.04	90284.16
3	Chimney height raising Work involved :- Excavation of footing of 1Mtr. X 1Mtr.X 0.3Mtr. around chimney, breaking of existing concrete chimney 0.3 Mtrs from ground with the help of Chisel & hammer, cleaning of leg, painting with epoxy paint upto 2 Mtrs. Providing & Casting of 1:2:4 grade CC mix of trap metal upto 0.2 Mtr. above ground level for chimney by using steel / plywood form box, concreting, curing etc. complete in all respects.	Per Leg	10	9875.42	98754.20
Total Amount including GST					3,07,536/-
Rs. Three Lakhs Seven Thousand Five Hundred Thirty Six Only (including all taxes)					

Note:

1. Above rates are inclusive of taxes & duties (GST). If taxes are not quoted separately, the offer will be considered as inclusive of all taxes.
2. **Rate analysis should be submitted along with price bid if the quoted rates are +/- 5%.**
3. The measurement will be recorded as per actual execution of work only.
4. The rates indicated are inclusive of to and fro charges of manpower & transportation of required material from your site to MSETCL site.

Sd/-
Executive Engineer
EHV O & M Division, Pimpri Chinchwad

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED,
EHV O & M DIVISION, PIMPRI CHINCHWAD, PUNE.**

ANNEXURE 'A'

Tower legs as per Tower Type Breakup for stub strengthening and chimney height work

Sr.No.	Name of Line	Tower Type	Tower No/ Legs
1	220kV Bhosari- Lonikand 2 Line	Suspension	37/4
2	220kV Bhosari- Lonikand 2 Line	Tension	35/4
3	220kV Chinchwad-Chakan Line	Suspension	21/1
4	220kV VSNL- Lonikand 2 Line	Suspension	12/1
Total Legs			10

**Sd/-
Executive Engineer
EHV O & M Division, Pimpri Chinchwad**