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|  |  MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD (CIN No.U40109MH2005SGCI53646) <i>Office of the Executive Engineer</i> EHV O & M DIVISION-I,PUNE Block No.406,Admn.Building,3 rd Floor,Rasta Peth,PUNE – 411011 ☐ : 26131362 (O) E-mail- ee6140@mahatransco.in |
| No.: EE/EHV O &M/DN.-I/PUNE/Tech./1684 | |
| Date: 03.10.2018 | |

Subject: - E-enquiry for the work of strengthening of transformer gaskets to attend oil leakage for 132/22kV , 50MVA transformer-1 BBL make & transformer-2 Vijai make at 132kV Phursungi Substation under EHV O&M Division-I Pune. (RFX No. 7000010394)

Dear Sir,

Online bids are invited in two bid system the work of work of Strengthening of transformer gaskets to attend oil leakage for 132/22kV , 50MVA transformer-1 BBL make & transformer-2 Vijai make at 132kV Phursungi Substation under EHV O&M Division-I Pune on or before 12.10.2018 upto 10:00 Hrs. on following terms and conditions:-

TERMS AND CONDITIONS:-

Submission of bid

Two bid system 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 documents certificates (all self attested copies) as a proof of qualifying pre-requisites, brochures, attested certificates etc.

- a) Copy of electrical contract license
- b) Copy of valid shop act
- c) Copy of Pan card
- d) Work experience certificate of similar work executed (not below the rank of Executive Engineer)
- e) Valid registration under GST
- f) Valid work compensation /insurance policy

If validity of any license/certificate expires during order period, you will have to renew the same & submit the copy to this office. Payment will be affected for valid period only.

B. Commercial bid:- Bidder should upload the digitally signed price bid under commercial bid online.

- a) 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 tenderer 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.

b) This office reserves all the rights to reject any or all tenders without assigning any reasons thereof.

c) 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.

1) Validity period should be not less than 120 days from the date of submission of offer.

2) **Work completion Period:** The work should be completed within single outage. Outage will be arranged by MSETCL..

3) **Supervision of Work:-**The work shall be under the supervision of the Dy. Executive Engineer, 132kV Phursungi substation or his representative.

4) The estimated rates given by this office are inclusive of taxes. However, the bidder should quote rates exclusive of all Taxes.. The taxes should be quoted separately.

5) **Security Deposit:** You have to remit, Security Deposit @ of 5% of the total value of the order in this office in Cash/ by D.D./ B.G./ fixed deposit in nationalized or scheduled bank after acceptance of order & before execution of work. If you fail to do so, the SD will be recovered from your first bill with interest. 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, action as per company's rules will taken

6) The T&P/ labour/ machinery/ equipment/ material required for the work shall be on your account.

7)**Penalty:** In case of failure to complete the work in stipulated time as mentioned above, you will be liable to pay penalty at rate of 1/2% per week subject to maximum limit of 10% of the total values of the order.

8) **Accident:** The contractor shall ensure the safety of all the workmen, materials and equipment at work site. The contractor shall be responsible for providing of all safety notices and safety equipment required. If any accident occurs to any person, labour skilled or unskilled, compensation if any ,is to be paid by the contractor only.

9) Any breakage/damage occurred to MSETCL material/ Equipment / theft of material if any, asset during the work shall be recovered from your bills as per rules.

10) The contractor shall not be entitled to claim any interest on amount payable to him.

11) You shall not entrust the work on sub-contract /transfer or assign the contract or any part thereof to any third party. In case any deviations observed it will be treated as breach of contract and the contract will be terminated at your entire risk and cost.

12) **Agreement:-** You have to execute an agreement on Rs.500/- Bond paper after receipt of work order & cost of agreement to be borne by the agency

13) You should be fully aware of the M.S.E.T. Co. Ltd. General Condition for execution of work and same is applicable to this contract also. Any of the condition will not exempt you from your liability to be abiding by the same.

14) **Income tax:** If applicable will be deducted as per rules/ otherwise you will have to submit income tax exemption certificate or income tax registration no. of your firm PAN No.

15) In case of difference of opinion, misinterpretation of any of the condition of the contract. In connection with or arising out of the condition or during the period work, the decision of the under signed shall be final & binding on you.

16) While execution of work, if any loss is caused to M.S.E.T.C.L, the same will be recover from you & you will have to make good the loss, work to be attended by you at your cost & risk only.

17) **Jurisdiction:** All disputes, differences related to the tender contract shall be subject to the exclusive jurisdiction of Pune District Court.

Thanking you,

Yours faithfully,

Sd/-
V.D. Bhujbal
Executive Engineer
EHV O&M Division-I Pune

Copy s.w.rs to: 1. The Superintending Engineer, EHV O&M Circle, Pune

Copy to: 1. The Dy. Manager (F&A), Division-I, Pune.
2.M/F.

Schedule "A"

Work of strengthening of transformer gasket to attend oil leakage for 132/22kV , 50MVA transformer-1 BBL make & transformer-2 Vijai make at 132kV Phursungi Substation under EHV O&M Division-I Pune

| Sr. No. | Name of Equipment | Unit | Qty | Rate | Amount |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----|-------|---------------|
| | | | | (Rs.) | (Rs.) |
| 1 | Strengthening of transformer gasket to attend oil leakage for top plate nut bolts (size 32mm) of 132/22kV , 50MVA transformer-1 BBL make | Nos. | 120 | 1775 | 213000 |
| 2 | strengthening of transformer gasket to attend oil leakage from Y phase HV Turrect CT tank's top plate nut bolts (size 20 mm) of 132/22kV , 50MVA transformer-2 Vijai make | Nos. | 26 | 1375 | 35750 |
| | | Sub Total-I | | | 248750 |
| | | GST @ 18% on Sub Total-I | | | 44775 |
| | | Total | | | 293525 |

Sd/-
V.D. Bhujbal
Executive Engineer
EHV O&M Division-I Pune

TRANSFORMER OIL LEAKAGE ARRESTING BY STRENGTHENING GASKET

PRODUCTS FOR APPLICATION

1. Silite Sealant

100% pure flexible silicone rubber, oil resistance, to form in-situ gasket in Transformer top plate, bottom plate, valves, Flange area.

2. Plastic Steel 5 minute Putty

Fast curing steel filled epoxy which cures in 5 minute at 25°C after mixing Resin & Hardener. Bonds with metal, ceramic, glass, & even oily surface.

3. Titanium Putty

High compressive strength, non-rusting, high temperature resistance, machinable putty for strengthening of leakage area.

4. Cleaner

Fast evaporating cleaner for proper cleaning of surface before application of Putty.

APPLICATION PROCEDURE

- For leakage arresting from gasket area, first thoroughly clean the whole surface with Cleaner. Cleaner will remove the dirt & dust from the surface. Then surrounding paint to be removed by mechanical abrasion (wire mesh brush) & again that area to be cleaned by using Cleaner.
- Then apply Silite Sealant in joint area with caulking gun by removing one by one nut-bolt. Silite Sealant is oil resistance & will form in-situ gasket.
- After strengthening of gasket, applied Plastic Steel 5 minute putty on outer surface of plate joint. Plastic steel 5 minute putty cures in 5 minute & bonds on oily surface.
- To obtain high strength to this repaired area, finishing coat of make Titanium Putty to be applied. To get the best result, final coat to be applied over entire joint surface and allowed to cure for 45 minutes after which the coating get its full strength.