

MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD.
CIN U40109MH2005SGC153646
TRANS (O&M) DIVISION, SOLAPUR

From:

Name of Office: Office of the Executive Engineer,
Office address: Adm. Building at 220 KV Bale premises
Ambikanagar Barshi Road Bale Solapur-413255
Phone NO. 0217- 2351827 (O) 0217- 2350673 (P) Fax No. 0217- 2351827
Email ID: ee6210@mahatransco.in

Ref No: EE/EHV/ (O&M)/DN/SUR/T/ No.1604 DATE: -. 23.10.2018

Rate must be quoted on % Basis Only (Higher/Lower/At Par).

Sub: - SRM E-Enquiry for the work of providing & fixing of 20 Windows
Microcontroller Annunciator scheme for C & R Panel to be used for Transformer/
Feeder as per detail specification at various EHV substations under jurisdiction of
Trans O & M Division, Solapur.

Through SRM ONLY.

- **RFX No. :- 7000010603**
- **Estimated Amount in Rs. - 2, 81,050/- only. (Inclusive of All Taxes).**
- **Date of publication SRM Enquiry: - From Dtd. 23.10.2018 at 09:00 Hrs To
Dtd.30.10.2018 up to 23:00 Hrs.**
- **Last Date for submission of Offer: - Dtd.30.10.2018 up to 23:00Hrs only.**
- **Technical Opening Date:- Dtd.31.10.2018 at 12:00 Hrs. If possible.**
- **Commercial opening Date: - Dtd.31.10.2018 at 15:00 Hrs. If possible.**
- **Tender Fee:- Rs.105/- only Including GST(5%)**
- **EMD :- Rs. 5000/- Only**

E.M.D. & Tender Fee must be paid online only.

Dear Sir,

MSETCL invites online bids (E-Enquiry) from registered contractors /agencies on Mahatransco SRM E-Tendering Website <https://srmetender.Mahatransco.in> for above said work as per schedule 'A'. You are requested to quote your lowest rate for the same online only from the aforesaid website.

TERMS & CONDITIONS:

- 1) Offer should be submitted online only on OR before: - 30.10.2018 **up to 23:00Hrs.**
- 2) The offer shall be valid for acceptance for the period of **180 days** from the date of submission.
- 3) All the documents should be submitted alongwith this office.
 - a) Valid Shop Act license.
 - b) Valid GST REGISTRATION.
 - c) Proof of Income Tax Return for last FY.-2016-2017 in saral form.
 - d) Valid Electrical Contractor license.
5. **If available, Work Order along with Experience certificate for similar type of work or any EHV Control & Relay Panel Substation Related work must be submitted along with offer.**

6. All the documents of these Enquiry and other accompanying documents shall bear the authorized signature of agency, failing which the offer will be liable for rejection.
7. The agency is in his own interest expected to visit the site of work and acquaint himself with the site condition, such as approach roads etc & all other conditions which will affect the work.
8. The right to place an order or to cancel any or all quotations without assigning any reason is reserved with this office.
9. The work must be carried out at various 220/132KV Substations under jurisdiction of EHV O & M Division, Solapur.

Thanking You,

Yours Faithfully,

- **Encl:- Annexure.**

**Executive Engineer
EHV (O&M) Division Solapur**

Copy s.w.rs.to:-

1. The Superintending Engineer, MSETCL, EHV (O&M) Circle, Solapur- For information please.

Copy to :-

1. Dy. Manager (F&A), MSETCL, EHV (O&M) Division Solapur.
2. .M.F. / Notice board.

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD.
TRANS (O&M) DIVISION, SOLAPUR.**

Schedule 'A'

Subject: - SRM E-Enquiry for the work of providing & fixing of 20 Windows Microcontroller Annunciator scheme for C & R Panel to be used for Transformer/ Feeder as per detail specification at various EHV substations under jurisdiction of Trans O & M Division, Solapur.

| Sr. No. | Description | Unit | Total Quantity | Rate | Amount in |
|---------|--|------|----------------|-------|-----------|
| | Supply Portion- 20 Windows Microcontroller Annunciator Scheme for C & R Panel. | | | | |
| 1 | Supply of Micro Controller based Standard Make 20 Windows Microcontroller Annunciator scheme as per detail mentioned in schedule enclosed herewith. | Set | 5 | 37000 | 185000 |
| | Work Portion- Erection and commissioning. | | | | |
| 2 | Erection, Testing and Commissioning of Micro Controller based 20 Windows Microcontroller Annunciator scheme in place of existing old Scheme as per detail mentioned in Schedule enclosed herewith. | Set | 5 | 7500 | 37500 |
| | Sub Total in Rs | | | | 222500 |
| | GST Provision 28 % on Supply Item No.1 | | | | 51800 |
| | GST Provision 18 % on Service Item No.2 | | | | 6750 |
| | Grand Total: (Inclusive of Taxes) | | | | 281050 |
| | Rs. In Words: Two Lack Eighty One Thousand Fifty Only | | | | |

Total Amount in Rs. One Lakh Forty Three Thousand Sixteen Only. Including of all Taxes.

Note:- 1) % Rate must be quoted including of all Taxes.
2) Rate Mentioned above are exclusive of all Taxes.

Executive Engineer,
EHV O&M Division Solapur.

This is to confirm that I have studied description of items in detail. I have visited the site made myself and conversant with the site & working conditions.

I am ready to execute the above prescribed work with.

- 1) % Below [In words] of the Estimated cost.
- 2) At par [In words] of the Estimated cost.
- 3) % Above [In words] of the Estimated cost.

Dated

Signature of Contractor with seal.

MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD.

TRANS (O&M) DIVISION, SOLAPUR.

Schedule/Scope of Work

Sub:- work of Supply and Fixing of 20 Windows Microcontroller Annunciator scheme for C & R Panel to be used for Transformer/Feeder as per detail specification at various EHV substations under jurisdiction of Trans O & M Division, Solapur.

ANNUNCIATOR SPECIFICATION

PRODUCT: 20 WINDOWS ANNUNCIATOR - MICRO CONTROLLER BASED

1.0 SCOPE:-

1. The scope includes, Design, Engineering, Manufacture, Testing at manufacturer's works, packing, supply, transportation & delivery at site (FOR site) , Microcontroller base annunciators as per specification, removal of existing old annunciators & associated wiring and Installation , testing & commissioning of newly supplied annunciators at site in place of existing old annunciators inclusive of all fittings, accessories and spares for efficient and trouble-free operation.
2. The scope includes supply of 20 windows microcontroller based Annunciators , required material for retrofitting like , wires , lugs , ferrules , TBs , Blanking plates , nut- bolt , channel etc. hardware, etc.
3. Cutting, fabrication of panel for fixing new Annunciator, Fixing, Installation and commissioning of new annunciator including removing & refitting of other equipment's like hooter , indicators, meters etc. if required for accommodating and fitting of new annunciator.
4. The scope includes wiring of annunciator up to separate TB in the panel for all windows.
5. The scope includes furnishing all relevant drawings, data, routine & type test reports, commissioning instructions and operation & maintenance manuals.

2.0 TECHNICAL SPECIFICATION:-

1. Annunciator should be Microcontroller based with latest technology
2. Windows should be Hi bright good quality LED window
3. No. of windows – 12,16, 20, 24 windows with in built two Alarms
4. Annunciator is suitable for C& R panel used for Transformer and & Feeder lines
5. Annunciator should have in built two Alarm, one tone for Trip windows and another tone for non-trip windows with different sounds (Intermittent & continuous) and sound output is about 90dB measurable
6. Aux. supply: 75 to 275V DC
7. Stand By Power supply: 230V AC +/- 20%
8. Window size: 34 x 74 mm
9. Window color – RED / Yellow – site selectable
10. Window Flash rate 100 Flashes per minute and 50 flashes in case of slow flash in ring back mode
11. Annunciator should sense potential free contact with response should be less than 20 msec

12. Annunciator should have OPTO isolated fault input contact.
13. Unit should have inbuilt Push button for Lamp test, Mute, Accept, Reset and along with this terminals are also should be provided for External push buttons.
14. Window Legend (Description) should be site replaceable type.
15. Annunciator should have 4 MODE type of working i.e. Normal Mode, Priority Mode, Auto Accept, and Ring back. All sequence of operation should be as given below
16. Annunciator should have inbuilt DC fail window and should glow when the DC fails along with output contact for DC fail Alarm
17. DC fail Alarm contact should have the make & Carry rating 5A@230V AC
18. Annunciator should be suitable for withstood all types of surges or rise of potential – means suitable substation environments
19. Wiring Terminals should be suitable for 2 no. U type copper Lugs
20. All terminals of the unit should be Shrouded – as IP 20 with clear terminal details
21. Unit should be ABS – FR grade plastic (High voltage issue will not be there compare with the metal box.).

The scope includes furnishing all relevant drawings, data, routine and type test reports, commissioning instructions and operation and maintenance manual.

All above mentioned details are mandatory and must be followed at time of work of providing and fixing of 20 Windows Microcontroller Annunciator Scheme for C & R Panel to be used for Transformer/Feeder at various EHV substations under jurisdiction of EHV O & M Division, Solapur.

Executive Engineer,
Trans O & M Division, Solapur.