
	<b>MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO LTD.</b>  Office of the <b>EXECUTIVE ENGINEER</b> EHV O&M DIVISION, Pimpri-Chinchwad Near 220 KV S/S Chinchwad Bijlinagar, Chinchwad, Pune – 411 033. <b>Email ID :- <a href="mailto:ee61b0@mahatransco.in">ee61b0@mahatransco.in</a></b> <b>(CIN No. U40109MH2005SGC153646)</b>	
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No.: EE/PCDN/PN/Tech./ No. 762

Date : 23.07.2024

**TO WHOM SO EVER IT MAY CONCERN**

**Subject:-** Calling budgetary offers in r/o Supply, Installation and commissioning of Transformer Monitoring System & Control at various S/Stns under EHV O&M Division Pimpri Chinchwad, Pune.

**Dear Sir,**

The budgetary offers through e-mail are hereby invited for the above work as per schedule 'A' mentioned below:

Sr. No	Particulars	Unit	Quantity	Ex Rate	GST	Unit Rate
	<b>Supply part</b>					
1	<b>TAMs software with necessary customization as per S/s requirement –</b> This software collects data from various IED installed in the field near T/F and process it as per S/s. requirement and it provides easy to use graphical user interface for substation operating staff. Software should support scalability.	Nos	1 Nos. for Multiple T/F/ICT			
2	<b>TAP Changer Controller cum Transformer Monitoring Unit (TF IED) –</b> This device collects the data from Fan Control Cubicle and On Load Tap Changer Drive Mechanism and applies the necessary interlocks and logic and process the data and forward it to TAMS software installed in the control room. Usually one IED installed per T/F. This IED should be capable of accepting inputs such as 4-20 ma ,RS48S Comm. And it should work on 220VDC/110VDC/48VDC whichever available at S/s. And this communicates on 61850 protocols.	Nos	1 Nos Each T/F/ICT			

3	<p><b>PT IED –</b></p> <p>This device used for configuration of LV PT with TAMS for Automatic Voltage Regulation purpose.</p>	Nos	1 Nos. for Multiple T/F/ICT			
4	<p><b>Terminal Board –</b></p> <p>This IP 55 rated panel with necessary stand of almost 4 feet height installed near each T/F in the field and grounded using cement in the field. IED and necessary devices installed in this panel. As it occupies one of the important device i.e. IED, this should follow all the standards of panel to be installed in harsh environment.</p>	Nos	1 Nos. for each T/F/ICT			
5	<p><b>Industrial Grade PC along with Standard Kiosk in the Control Room –</b></p> <p>Industrial grade PC used as it runs important TAMS software and standard industrial grade PC used for this project as it runs 24X7 and used for monitoring and controlling various parameters of T/F auxiliaries, this should be enclosed in KIOSK as per MSETCL standards.</p>	Nos	1 Nos. for Multiple T/F/ICT			
6	<p><b>Armoured Fiber Optic Cable –</b></p> <p>Fiber optic cable drawn from each IED installed in the field to control room accompanied by ring topology to achieve maximum uptime of TAMS. As this runs throughout the cable trench of the substation it is recommended to use armoured fiber optic along with HDPE pipe for safety from rodents throughout the trench length.</p>	kM	kM			
7	<p><b>12C x 2.5 sqmm Copper, Armoured</b></p> <p>Copper Cable for configuration of FCC/OLTC with TAMS IED.</p>	kM	kM			
8	<p><b>4C x 2.5 sqmm Copper, Armoured</b></p> <p>(Copper Cable for configuration of FCC/OLTC with TAMS IED).</p>	kM	kM			

9	<b>FO Joint Box -</b> As IED gives communication O/P in Ethernet/ FO Patch cords , LIU and convertor to be installed for conversion of Ethernet / FO Patch. Cords to armoured FO in the field and same needs to be reversed in the control room to establish necessary communication. Each T/F will require 2 Joint box, one in field and one in control room	Nos.	1 Nos. Required for Multiple T/F/ICT			
10	<b>Managed Ethernet Switch –</b> Managed ethernet switch will be used to build communication infrastructure.	Nos	1 Nos. Required for Multiple T/F/ICT			
<b>Erection Part</b>						
1.	Installation & Configuration of TAMS on each T/F or ICT	Nos	1 Nos. for each T/F/ICT			

**Note: Rate shall be valid for 60 days from the date of submission of offer.**

You are requested to quote your best reasonable rate for the above work. The terms & Conditions are as follows:

**Terms & Condition:**

1. The rate should be quoted on firm quotation basis.
2. The rates should be exclusive of all taxes. Taxes should be quoted extra.
3. Quantity may be vary as per actual.
4. Bidder should be the approved for the subject product.
5. Technical specification of TAMS along with necessary test as per IEC standard.
6. You are requested to submit your best reasonable budgetary offer as per Schedule 'A' for above works on **E-mail id [ee61b0@mahatransco.in](mailto:ee61b0@mahatransco.in) upto 11:00 Hrs on dtd:30.07.2024.**
7. Following documents should be submitted along with your offer: -
  - a) Shop Act/ Udyog Adhar Registration Certificate
  - b) Work Experience Certificate for similar nature of works in MSETCL/ in any power utility.
8. Please note that said budgetary offer is only for estimation purpose and will not be considered for any bidding & no work order will be issued based on this offer.

Sd/-  
(Deepak Madane)  
**Executive Engineer**  
Pimpri-Chinchwad Division, Pune