

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.**  
**CIN NO-U40109MH2005SGC153646**

Executive Engineer, MSETCL, EHV O&M Dn., Sangli  
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Ref No. EE/EHV O&M/DN/SGL/T/No. 576

Date 28/04/2025

**TO WHOM SO EVER IT MAY CONCERN**  
**BUDGETARY OFFER FOR ESTIMATE**

Please find herewith a detail schedule “A” Work of Providing & Fixing of 33KV Numerical Backup Relay with Directional 3 O/C & E/F, 33KV Numerical Backup Relay with Non-Directional 3 O/C & E/F, the master trip relays for various S/Stns under EHV O&M Division, Sangli. All interested bidders are requested to submit their best lowest budgetary offer on the **Mail ID:-ee3120@mahatransco.in /adee3120@mahatransco.in** for the same up to Dtd.**05/05/2025**. Taxes should be quoted distinctly if any. Please note that this budgetary offer is for estimation purpose only.

**SCHEDULE – “A”**

Sr. No.	Description	Unit	Rate/ Unit Including Labour Cess	18% GST	Rate/ Unit in Rs with GST
<b>1</b>	<b>P&amp;F of 33KV Numerical Backup Relay with Directional 3 O/C &amp; E/F</b> Specifications: - Minimum 3 stages configurable as IDMTL & Definite Time, Includes LBB (Load Bus Backup) function. - Two independent stages for LBB ( Retrip & Bus trip) with individual time delay. - 16 configurable LEDs. - Configurable minimum 8 B/I and B/O. - Internal & External LBB initiation facility. - Auxiliary PSU: 110/250V DC (100-240V AC). - DR Facility Ethernet : IEC61850 over Ethernet, Courier via Rear K Bus/RS485 through IEC 103 protocol. - Binary Input DC Voltage-80 V to 250 V DC. - GPS Synchronisation.				

Sr. No.	Description	Unit	Rate/ Unit Including Labour Cess	18% GST	Rate/ Unit in Rs with GST
2	<b>P&amp;F of 33KV Numerical Backup Relay with Non-Directional 3 O/C &amp; E/F</b> Specifications: - Minimum 3 stages configurable as IDMTL & Definite Time, Includes LBB (Load Bus Backup) function. - Two independent stages for LBB ( Retrip & Bus trip) with individual time delay, - 16 configurable LEDs. - Configurable minimum 8 B/I and B/O. - Internal & External LBB initiation facility. - Auxiliary PSU: 110/250V DC (100-240V AC). - DR Facility Ethernet : IEC61850 over Ethernet, Courier via Rear K Bus/RS485 through IEC 103 protocol. - Binary Input DC Voltage-80 V to 250 V DC. - GPS Synchronisation.				
3	<b>P&amp;F of the master trip relay</b> Specifications: - Should have 8 NO and 2 NC contact. - Heavy Duty Lockout High/Low Burden type. - Electrical/Hand Reset type. - 110/220V DC voltage operated, Flag indication, Position indication. - Minimum 8 NO+ 2 NC. - Rated Current 5A, Max.making current 50 A, Breaking capacity for dc with circuit : 1A/0.25A/0.15A.				

Note:-1. Please Clearly Mention Taxes & Other Conditions.

-Sd-  
**S. M. Pujari**  
Executive Engineer,  
EHV O&M Dn, Sangli