

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD**  
**(CIN NO- U40109MH2005SGC153646)**

From,  
Executive Engineer  
PAC Division, Kolhapur-416005  
Off-0231-2662668 E-mail: - ee3530@mahatransco.in

MSETCL/EE/PAC/Dn./Kop/T/ 295

Date : - 03.10.2025

**E- Enquiry (Budgetary offer)**

**Sub:-** Enquiry for submission of budgetary offer for Supply of Non directional overcurrent / Earth fault relays under EHV PAC Division Kolhapur.

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Dear Sir,

Budgetary offers are invited by the undersigned for Supply of Non directional overcurrent / Earth fault relays under EHV PAC Division Kolhapur **on or before: 10/10/2025 up to 18:00 Hrs.** The other terms and conditions are as mentioned below.

- 1) Quotation should be duly filled in and submitted to this office **via post or e-mail – ee3530@mahatransco.in**
- 2) **This enquiry is solely for collection of offer for estimate purpose & not for work allocation.**
- 3) The offer should be submitted as per details mentioned below.
- 4) Quote rate in prescribed format.

Sr. No.	Particulars	Qty. in Nos.	Rate per unit in Rs. (Excl Gst)	Amount in Rs. (Incl Gst)
1	<p>Supply of Non directional overcurrent / Earth fault relays: -  <b>Make:</b> - Any standard make (L&amp;T/ AVANA/ Siemens etc.)  Rated secondary current: - 1A &amp; <b>5A (dual rated)</b>  Rated frequency: - 50 HZ <math>\pm</math> HZ  Auxiliary Power Supply: -24V to 240V AC/DC <math>\pm</math> 15 %  <b>Relay setting: -</b>  Overcurrent: - 0.2 to 2.0 times* In in steps of <b>0.01In</b>  High set Overcurrent: - 1 to 40 times *In steps of <b>0.1- with time delay (0 to 60sec, step 10ms)</b>  Earth Fault: - 0.05 to 0.8 times in steps of <b>0.01</b>  High set Earth Fault: - 0.1 to 20 Times in steps of 0.1- <b>with time delay (0 to 60sec, step 10ms)</b>  TMS: - 0.1 to 1.6 in steps of <b>0.01</b></p> <p><b>Operating characteristic: -</b>  NI3, NI1.3, VI, EI, DT (1s,10s,100s)  High set operating time: - less than 50 millisecond  Pick up current: - same as set current  Reset current: - 95% of pick up current  Burden: - less than 0.25VA /Phase at CT inputs</p>	05		

	<p>Separate LED for Power ON, Trip status for R, Y, B, &amp;E Output Relay Contact: - 8 N/O contacts 1 N/C <b>contact</b> for Internal relay fault</p> <p><b>Overload capacity:</b> - 2 times rates current continuously &amp; 20 times rates current for 1 sec. The relay should have dot matrix display with backlight on front panel to read various settings, on load values, last trip data etc.</p> <p><b>Features:</b> - Latest 30 fault recording, latest 20 event recording, self- supervision, Programmable contacts, Dust proof enclosure, DIN standard Draw-out case.</p> <p><b>Optional features:</b> - Front USB communication, Relay should have LBB feature with separate contact for LBB Retrip &amp; bus trip.</p> <p><b>With following Functions:</b> - Over Current Protection (50/51) Earth Fault Protection (50N/51N) Breaker Failure (50BF) Auto Reclosure (79) Trip Circuit Supervision (95) CB Fail CT Supervision Front USB Port Rear RS485 Port (Modbus) Rear RS485 Port (IEC60870-5-103) Programmable LED <b>Digital input - 6</b> <b>Digital output - 8</b> Fixed type case / enclosure Draw-out type case / enclosure</p>			
	Total including GST			

-sd-  
Executive Engineer  
PAC Division Kolhapur.