

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.
CIN NO-U40109MH2005SGC153646

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Ref No. EE/EHV O&M/DN/SGL/T/No. **1508**

Date **13/12/2024**

TO WHOM SO EVER IT MAY CONCERN
BUDGETARY OFFER FOR ESTIMATE

Please find herewith a detail schedule “A” Supply of various Relays for Sub-station under EHV O&M Division, Sangli. All interested & experienced bidders are requested to submit their best lowest budgetary offer on the **Mail ID:-ee3120@mahatransco.in /adee3120@mahatransco.in** for the same upto **Dtd. 20/12/2024**. Taxes should be quoted distinctly if any. Please note that this budgetary offer is for estimation purpose only.

SCHEDULE – “A”

Sr. No.	Particulars of work	Unit	Rate/ Unit in Rs	18% GST	Rate/ Unit in Rs with GST
1	Separate List Attached	No.			

- Note:- 1. Please Clearly Mention Taxes & Other Conditions.
2. Material should be ISI Mark & Reputed Mfg.
3. Material should be from approved vendor list.

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EHV O&M Dn, Sangli**

SCHEDULE – “A”

Sr. No	Relay Technical Specification	Unit	Rate/ Unit in Rs	18% GST	Rate/ Unit in Rs with GST
i	Supply Portion				
	1. Trip Circuit Supervision Relay				
	A) Make-ER				
	Make: ER, Type: XR351, CASE : E4, Aux Supply: 220V DC, Contacts: 2M, 2B				
	Make: ER, Type: XR351 110V DC and min 4 NO and 2 NC contacts,				
	Make- ER, Type: XR351 item code-06490220VDC with 03 NOs and 02 NCs,				
	Make: Easun Reyrolle, Type: XR351, Contacts : NO-6, NC-2, DC voltage : 110V				
	Make: Easun Reyrolle Type: XR351 , Contacts : NO-1, NC-3, DC voltage : 110V				
1	Make: ER, Type - XR351 Operating voltage - 110V DC, Contacts - 02 No & 04 NC.				
	Make - ER , Type - XR351, 8 NO + 8 NC contacts , 110V DC reverse flag.				
	Make: ER, Type: XR351, 4 NO and min 2 NC contacts, 110V DC.				
	Make-ER, Type-B1, contact: 8 NO and 8 NC, 220V DC,				
	Make-ER, Type-B51X3, contact: 8 NO & 8 NC, 110V DC,				
	Make: ER, Type: XR351, Voltage level-80-300VDC. 3 No and 2 NC.				
	B) Make -ABB				
	Make-Old ABB , Type-VIR12J, Contact- NC= 2No, NO=3No				
2	Make: ABB Type: RXTCS, Contacts : NO-2, NC-2, DC voltage : 110V				
	Make: ABB, Type: VIR12J, Contact: NO-2, NC-2, 110V DC,				
	Make: ABB, Type: 1MYN569698 -E, Voltage level-80-300VDC. Contact- 3 NO and 2 NC.				
	C) Make - Ashida				
	Make - Ashida , Type- ATSR 31 A, Aux- 220 V DC. Contacts: 2 NO 1 NC				
3	Make: Ashida, Type: ADES33123XD4XXC, Voltage level-80-300VDC. Contact-3 NO and 2 NC.				
	D) Make - JVS				
4	Make - JVS , Type - Genesis, 4 No + 4 NC contacts, 110V DC reverse flag.				
	2. Directional Overcurrent and Earth fault relay.(67RYBN/50LBB)				
	A) Make-ER				
5	Make: ER, Type: CSC211 with IEC61850-8-1 Station communication protocol, CT Sec: 1A, PT Sec: 110V (PH-PH) Aux Supply: 220V DC				
	3. Non-Directional Overcurrent and Earth fault relay. (150/51RYBN/50LBB)				
	A) Make-ER				
6	Make: ER, Type: CSC211 with IEC61850-8-1 Station communication protocol, CT Sec: 1A, PT Sec: 110V (PH-PH) Aux Supply: 220V DC				
	4. O/C & E/F protection relay (Non-Directional)				
	B) Make -ABB				
7	Make: ABB Type: REF610, Non Dir OC +EF (4Element) 1A Sec, Voltage-110/220VDC(Universal DC) with Modbus IEC 608705-103 Protocol DNP 3.0, with RS 485, I/O-6 logic input+6 logic output,				
	5. O/C & E/F relay (Directional & Non-Directional)				
	A) Make-ER				
8	Make- ER Type-DCD414B Vx-110/220 VDC				
	6. Master trip relay (86)				
	A) Make-ER				
9	Make: ER, Type: TR241, CASE : E4, Aux Supply: 220V DC, Contacts: 8M, 2B				
	Make-ER, Type: TR221, Item code- 06906, 220VDC with 8 NOs and 03 NCs,				
	7. DC Supervision relay 80ABC/80DEF				
	A) Make-ER				
10	Make: ER, Type: AR121T3X3, CASE : 3N, Aux Supply: 220V DC, Contacts: 3B1M				
	Make- ER, AR121T3 & AR101, Item code-06428, 220VDC with Contact: 3 NOs and 02 NCs.				
	8. 30M1 & 30M2 (Bay In Normal & Bay In Transfer)				
	A) Make-ER				
11	Make: ER, Type: TR231H2, CASE : 3N, Aux Supply: 220V DC, Contacts: 20M				
	9. 30M1(Conf. Multi.Relay for CB Normal)				
	A) Make-ER				
12	Make: ER, Type: TR231, CASE : E4, Aux Supply: 220V DC, Contacts: 10M				
	10. 30X (Aux.Relay for carrier fail)				
	A) Make-ER				
13	Make: ER, Type: AR121T3, CASE : 1N, Aux Supply: 220V DC, Contacts: 3B1M SR Relay				
	11. 75A (Voltage Selection Relay)				
	A) Make-ER				
14	Make: ER, Type: TR231/AR101, CASE : E4, Aux Supply: 220V DC, Contacts: 8M, 2B HR Flag				
	Make: ER, Type: TR231H2, CASE : E4, Aux Supply: 220V DC, Contacts: 16M, 4B HR Flag				
	12. 60A, 60B, 60C, 60D Bus voltage changeover relay				
	A) Make-ER				
15	Make: ER, Type: B68X3, CASE : 3N, PT SEC : 63.5V AC (PH-NU), Contacts: 2M, 2B.				
	13. Tripping relay for Main Buchholz alarm function 30A				
	B) Make: Alstom				
16	Make: Alstom Type:MVAAM13BA2530A, Contact: 4 NO & 2 NC (Miniumum) suitable for110V DC				
	14. Tripping relay for oil temperature high function				
	B) Make: Alstom				
17	Make: Alstom Type:MVAAM13BA2530A, contacts: 4 NO & 2 NC (Miniumum) suitable for110V DC				

SCHEDULE – “A”

Sr. No.	Particulars	Unit	Rate/ Unit in Rs	18% GST	Rate/ Unit in Rs with GST
ii	Labour Portion	No.			
1	Fixing of Trip Circuit Supervision Relay				
2	Fixing of O/C & E/F Protection relay (Directional)				
3	Fixing of O/C & E/F Protection relay (Non-Directional)				
4	Fixing of O/C & E/F relay (Directional & Non-Directional)				
5	Fixing of Master Trip Relay 86				
6	Fixing of DC Supervision relay 80ABC/80DEF				
7	Fixing of 30M1 & 30M2 (Bay In Normal & Bay In Transfer)				
8	Fixing of 30M1(Cont. Multi.Relay for CB Normal)				
9	Fixing of 30X (Aux.Relay for carrier fail)				
10	Fixing of 75A (Voltage Selection Relay)				
11	Fixing of 60A, 60B, 60C, 60D Bus voltage changeover relay				
12	Fixing of Tripping relay for Main Buchholz alaram function 30A				
13	Fixing of Tripping relay for oil temperature high function				

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