

MSETCL/EE/500 kV HVDC IDOD /Dn./PDG/NO **00354** Date: 12.06.2025

E- Enquiry (Budgetary offer)

Sub : - Enquiry of Design, Supply, Erection and Commissioning of Auto Correction Power Factor panel of 180 KVAR, 415 Volt capacitor banks for HVDC auxiliary source- I & II at HVDC terminal station, Padghe.

Dear Sir

Budgetary offers are invited by the undersigned from the agency of design, Supply, Erection and Commissioning of Auto Correction Power Factor panel of 180 KVAR, 415 Volt capacitor banks for HVDC auxiliary source- I & II at HVDC terminal station, Padghe on or before: 21.06.2025 up to 17:00 Hrs. The other terms and conditions are as mentioned below.

1. Offer can be email or duly filled in and submitted via sealed envelope to EE,HVDC-ID/OD Dn.,HVDC , Padghe office address as below—
EXECUTIVE ENGINEER, HVDC-ID/OD Dn., PADGHE - 421 101
Tal:- Bhiwandi Dist-Thane (Maharashtra, India) Phone No. :
7887776363 , will only be accepted or emailed quote.
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 & Attached Specifications in Annexure-A & I::


Executive Engineer
±500 KV HVD ID-OD Padghe.

MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD.
HVDC IDOD TSC Division, Padgha.

Annexure-A

Subject: Enquiry of design, Supply, Erection and Commissioning of Auto Correction Power Factor panel of 180 KVAR, 415 Volt capacitor banks for HVDC auxiliary source- I & II at HVDC terminal station, Padghe.

Sr. No.	Particulars	Quantity	Rate in Rs.
1	Design, supply, erection and commissioning of thyristor switch controlled Automatic power factor correction panel for 180KVAR,415V capacitor bank ,10steps.	2 Nos	

Note:- Above all rates should be exclusive of GST & all other applicable charges, should be mentions separately if applicable. Estimated quantity is tentative it may vary during the PO. This material will be used for the HVDC terminal padghe hence to be confirm with as actual equipment in service.


Executive Engineer
±500 KV HVDC ID/OD Padghe.



ANNEXURE – I

Subject :Enquiry of Design, Supply, Erection and Commissioning of Auto Correction Power Factor panel of 180 KVAR, 415 Volt capacitor banks for HVDC auxiliary source- I & II at HVDC terminal station, Padghe

Step Size= 30Kvar x 3 + 20Kvar x 3 +10Kvar x 2 + 5Kvar x 2 = 10 Steps

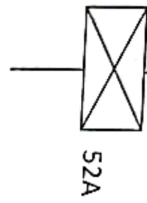
Approximate Panel Size:-1200MM Width x 850MM Depth x1800MM Height.

SPECIFICATIONS OF ALL EQUIPMENT				
Sr.	ITEM	MAKE	SPECIFICATIONS	Approx QTY
1	INCOMER MCCB	L&T/Hitachi/Siemens/Legrand	400A, 3P MCCB	1
2	MCB	L&T/Hitachi/Siemens/Legrand	10A 4P MCB	1
3	IND. LAMP R,Y,B	L&T/Hitachi/Siemens/Legrand	220 V AC	3
4	APFC CONTROLLER	SELECT/Hitachi/Legrand	Controller as per site requirement	1
5	AUTO/ MANUAL SEL. SW.	L&T/Hitachi/Siemens/Schneider	2[POLE, 2WAY]	1
6	A/M ON-OFF SWITCH	L&T/Hitachi/Siemens/Schneider	1NO+1NC	10
7	IND. LAMP, GREEN	L&T/Hitachi/Siemens/Schneider	5V AC/DC	10
8	MCB	L&T/Hitachi/Siemens/Legrand	16A TP MCB	2
9	MCB	L&T/Hitachi/Siemens/Legrand	25A TP MCB	2
10	MCB	L&T/Hitachi/Siemens/Legrand	50A TP MCB	3
11	MCB	L&T/Hitachi/Siemens/Legrand	63A TP MCB	3
12	MCB	L&T/Hitachi/Siemens/Legrand	6A DP	2
13	CAPACITOR	Hitachi	5KVAR, 440V	2
14	CAPACITOR	Hitachi	10KVAR, 440V	2
15	CAPACITOR	Hitachi	20KVAR, 440V	3
16	CAPACITOR	Hitachi	30KVAR, 440V	3
17	CHOKE	GAUSS/Havells	5 KVAR, 0.2%	2
18	CHOKE	GAUSS/Havells	10 KVAR, 0.2%	2
19	CHOKE	GAUSS/Havells	20 KVAR, 0.2%	3
20	CHOKE —	GAUSS/Havells	30 KVAR, 0.2%	3
21	SMPS	L&T/Hitachi/Siemens/Schneider	240V AC-12V/5V DC, O/P	1
22	MOC CARD	L&T/Hitachi/Siemens/Schneider	2 STAGE	5
23	THYRISTORS —	SEMICRON	SKKT106B/16E	20
24	FAN	REXNORD/Havells/Bajaj	230V, 1PH/AC	3
25	CUBICLE LAMPS	L&T/Hitachi/Siemens/Schneider	Exhaust fan-as per panel cooling requirement	2
26	SOCKET + SWITCH	L&T/Hitachi/Siemens/Schneider	5/15A	1
27	SWITCH	L&T/Hitachi/Siemens/Schneider	6A	1
28	TEMP/ SWITCH	L&T/Hitachi/Siemens/Schneider	NICHROME70 DEGREE	2
29	CU BUSBARS	L&T/Hitachi/Siemens	As per site requirement	6
30	NEUTRAL LINK	L&T/Hitachi/Siemens	As per site requirement	1
31	TERMINALS	L&T/Hitachi/Siemens	As per site requirement	16
32	Voltmeter	Siemens/L&T	0-500V range, analog	1
33	Ammeter 0-400A	Siemens/L&T	0-400A range, analog	1

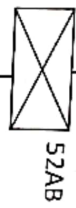
S. Jayshav
Executive Engineer
+500 KV HVD ID-OD Padghe



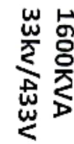
Source -I from 100 KV



52AA

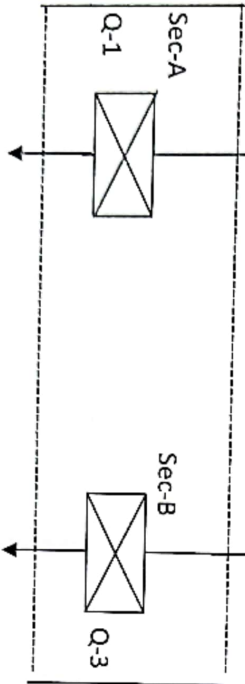


T-1

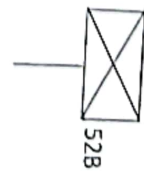


1600 KVA
33kv/433V

Pole-1

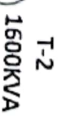
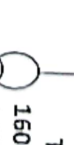


Sources -II from 400 KV ICT



52BA

T-1



1600 KVA
33kv/433V

Pole-2

