

Schedule of Work

Name of Work: RMO of E & M Installations for Non-residential Buildings at National Test House, Alipore, Kolkata during 2026-27. (SH: Servicing & Overhauling of 500 KVA Oil type Transformer, OCB HT Panel, APFC Panel etc. NTH, Alipore)

Sl. No.	Description	Qty	Rate	Unit	Amount	Remarks
1	Drainout the whole quantity of burntout carbon accomulated Transformer Oil of Low IR Value from Govt. Electric Factory Make 500 KVA Oil Type Transformer i/c dismantling of HT & LT Cable from HT & LT Bushing of Transformer, Opening the Top Cover & disconnecting the Tapping Mechanism from Winding & Take out the Core & Winding from Transformer with the help of Tri-Poide in Outside of Trannsformer Room, Cleaning Sludge from Transformer Main Tank, Core, Winding, Other Parts of Transformer by old and then new oil complete etc. as required.	1	15292.00	Job	15292.00	MR
2	Replacement of Low IR Value entire quantity of Transformer Oil by of new Transformer oil in existing 500 KVA Oil Type Transformer etc as required.	1100	208.00	Ltr	228800.00	MR
3	Reassembling the complete transformer unit i/c tap connection and all other necessary connections, inter-connections, granulated core, changing of HT Bushing Oil Seal & LT Bushing Oil Seal, necessary hard ware, clamps, lugs, changing of worn out gasket with new 8 mm thick & 4 mm thick gasket, glass sleeves, copper lead complete as required.	1	36577.00	Job	36577.00	MR
4	Replacement of Silica gel from the chamber of breather of the Transformer complete etc as reqd.	0.70	630.00	Kg	441.00	MR
5	Dismantling of 6 KV HT track type OCB from the housing (taking out the OCB from the housing) by tripping out the OCB and releasing the track locking arrangement and overhauling the OCB part by part as follows: (i)Thorough cleaning and checking of HV insulators, socket contacts and contact springs and applying white vesline. (ii)Thorough checking, cleaning and tightening the bar with OCB through Insulators stud and nuts etc. (iii)Thorough cleaning the track removing the dust, cobweb and rust etc.i/c. cleaning and checking the secondary wiring system for meters, selector switch etc.	2	4651.00	Job	9302.00	MR
6	Thorough clearing of the rear cable box, CT chamber, busbar chamber i/c checking & tightening the secondary and primary connections, cable leads etc as reqd.	2	2266.00	Job	4532.00	MR
7	Testing , calibration & adjustment of IDMT relay with secondary injecting test kit for applying the current at a particular time reqd., for the same and checking the tripping times of the OCB complete as reqd.	2	8279.00	Job	16558.00	MR
8	Overhauling & servicing of ACB by opening all contact points and refixing the same i/c. testing etc as reqd.	1	4436.00	Job	4436.00	MR
9	Overhauling & Servicing of APFC panel of i/c replacement of following accessories i/c connection, testing, commissioning complete etc. as required.					
a)	Heavy Duty Capacitor of 5-15 KVAR Capacity for 440 Volt, 3 phase.	20	1002.00	Per KVAR	20040.00	MR
b)	Heavy Duty Capacitor of 20-50 KVAR Capacity for 440 Volt, 3 phase.	160	995.00	Per KVAR	159200.00	MR
c)	Replacement of Smart APFC Controller for contactor switching with 1 CT input, 1/5 Amp, 415 Volt input with 12 Steps Contactor Switching i/c connection, testing, commissioning i/c less buyback the dismantle material complete etc as required.	1	15766.00	Each	15766.00	MR

d)	Replacement of unserviceable LED indicating lamp by new LED indicating lamp (R, Y, B, G) etc i/c less buyback dismantle material complete etc. as required.	22	340.00	Each	7480.00	MR
e)	Replacement 3 Phase Class-1 Ammeter i/c connection, testing, commissioning etc. i/c less buyback the dismantle material complete etc. as required.	1	1125.00	Each	1125.00	MR
f)	Replacement 3 Phase Class-1 Voltmeter i/c connection, testing, commissioning etc. i/c less buyback the dismantle material complete etc. as required.	1	1263.00	Each	1263.00	MR
10	Hire charge of 25 KVA Portable Green Generator Set i/c Diesel.	1	14617.00	Set	14617.00	MR
11	Less buyback of dismantle materials:					
a)	Worn out 10 KVAR Heavy Duty Capacitor	2	-100.00	Each	-200.00	MR
b)	Worn out 20 KVAR Heavy Duty Capacitor	8	-200.00	Each	-1600.00	MR
			Total		533629.00	

Assistant Engineer. (E)
KCESD-II, KCED-II