

**PRICE BID FORMAT for REPAIR of 10/16 MVA 132/11 KV BHEL Transformer at TSTRANSCO Substation**

Cap : 10/16 MVA

Make : APEX

Sl. No.	Description of Work as Specified	Unit	Quantity	Rate per unit	Amount
1	Removal of active parts from tank, cleaning all healthy parts including coils, Lamination, Tank, Top changer including sleeves and reassembly of core & winding with old healthy & re-wound coils and other new parts in lieu of damaged one including brazing, soldering ,sleeving insulating etc., as required. Over drying of assembled core & winding. re-assembled of transformer by fanking the dried core & winding assembly, changing all gasket on fank, making of technical connections to extenrnal bushings (Labouyr charges only). Welding of tank and other parts at the points of leakages.	LS	1	511200	511200.00
2	Labour Charges for winding coils with new winding wire and new insulation				
a	HV winding / LV Winding / Tertiary Winding / Top Winding	Kgs	2015.00	115	231725.00
3	Labour Charger for winding coils with Old winding wire and new insulation				
a	HV winding / LV Winding / Tertiary Winding / Top Winding	Kgs	3385.00	115	389275.00
4	Labour charges for overhauling of existing OLTC, including drive mechanism complete along with replacement of damaged parts.	Set	1	34475	34475.00
5	Radiator Overhauling and replacement of tellonwasher	each	12	1180	14160.00
6	Filteration of new oil and filling	KL	12.22	2675	32688.50
7	Proper alignment of HV Bushings	Each	3	9550	28650.00
8	Proper alignment of LV Bushings	Each	5	4680	23400.00
9	Filling of Power Transformer with nitrogen Gas with a pressure of 0.4 Kgs per sq. cm	PTR	1	19800	19800.00
10	Supply of new copper winding wire	Kgs	2015.00	524.50	1056867.50
	Supply of new paper insulation				
11	Supply of laminated core	Kgs	1500.00	253.60	380400.00
12	Supply of neutral bushings	Each	5	14850	74250.00
13	Supply of OLTC Motion Gear	Each	1	4802	4801.50
14	Supply of OLTC Surge relay	Each	1	10780	10780.00
15	Supply of OLTC guage glass	Each	1	2750	2750.00
16	Supply of OLTC Parts				
a	driving motor	Nos	1	10700	10700.00
b	motor arm assembly	Nos	1	1070	1070.00

c	Motor protection relay	Nos	1	3210	3210.00
d	Tap position indicator	Nos	1	3210	3210.00
e	Transition resistance/ Phase	Nos	1	8560	8560.00
f	Moving contact	Nos	1	8025	8025.00
g	Epoxy arm	Nos	1	7490	7490.00
h	oil seal	Nos	1	214	214.00
i	Fixed contact	Nos	1	2675	2675.00
j	Selector switches on local drive mechanism	Nos	1	2675	2675.00
17	Supply of Dial type thermometer(oil) with 2 contacts	Each	1	9630	9630.00
18	Supply of Dial type thermometer (winding) with 2/4 contacts	Each	1	10700	10700.00
19	Supply of Breather with Silica gel for main tank	Each	1	4815	4815.00
20	Supply of Breather with Silica gel for OLTC	Each	1	4004	4004.00
21	Supply of Magnetic oil guage (MOG) for conservator	Each	1	4066	4066.00
22	PRV	Each	1	4400	4400.00
23	Supply of Buchholtz relay	Each	1	4280	4280.00
24	Colling fans	Each	10	9630	96300.00
25	Supply of new Transformer Oil	KL	12	60000	720000.00
26	Supply of Radiator valve on tank.	Each	28	1070	29960.00
27	Complete spray of Transormer tank externally with 2 coats of enamel paint (with material)	LS	1	35460	35460.00
	Painting of Transormer tank internally with Oil resistant paint with 2 coats				
28	Providing / changing of all gaskets	LS	1	28350	28350.00
29	Providing new insulation for leads (Phase and Neutral) Tap leads, interwinding connections and inter coil connections	LS	1	41370	41370.00
30	Providing new insulation for the existing Tap leads.	Each	42	890	37380.00
31	Providing new Fan control cubical with main switch, contactors, relay and new wiring to meet requirement for more than 8 fans and upto 16 fans	LS	1	83725	83725.00
32	Parmali wooden rings	Each	3	12250	36750.00
33	Providing pressure relief valve with trip contact and alignment	Each	1	14850	14850.00
34	Providing new pipe line arrangement from Main tank to Buchholtz relay and conservator	LS	1	12000	12000.00
35	Loading of PTR with accessories at Site	LS	1	60000	60000.00
36	Unloading, erection, filtration and commisssoning	LS	1	120000	120000.00
37	Transportation of PTR main tank with Out Oil excluding transit insurance				
a	Weighing upto 30 MT thorough Mechanical trailer	LS	LS	60000	60000.00
b	Transportation of accessories and oil barrels thorough lorries excluding transit insurance.	LS	LS	10500	10500.00
38	Transportation of accessories thorough lorries excluding transit insurance. (Return)				

