

**RATES FOR MATERIALS , SPARES AND LABOUR CHARGES FOR REPAIRING OF POWER TRANSFORMERS RATING FROM 1600 KVA TO 8000 KVA CAPACITY**

SI No	Item	Size / Capacity	Unit	Rate
1	Replacement of damage HV strip copper conductor with similar size new DPC/TPC strip	a) 1600 KVA	Kg	
		b) 2000 KVA	Kg	
		c) 3000 KVA	Kg	
		d) 3150 KVA	Kg	
		e) 5000 KVA	Kg	
		f) 7500 KVA	Kg	
		g) 8000 KVA	Kg	
		2	Replacement of damage HV wire copper conductor with similar size new DPC/TPC wire copper conductor	a) 1600 KVA
b) 2000 KVA	Kg			
c) 3000 KVA	Kg			
d) 3150 KVA	Kg			
e) 5000 KVA	Kg			
f) 7500 KVA	Kg			
g) 8000 KVA	Kg			
3	Replacement of damage LV strip copper conductor with similar size new DPC/TPC strip copper conductor			a) 1600 KVA
		b) 2000 KVA	Kg	
		c) 3000 KVA	Kg	
		d) 3150 KVA	Kg	
		e) 5000 KVA	Kg	
		f) 7500 KVA	Kg	
		g) 8000 KVA	Kg	
		4	Replacement of damage LV wire copper conductor with similar size new DPC/TPC wirecopper conductor	a) 1600 KVA
b) 2000 KVA	Kg			
c) 3000 KVA	Kg			
d) 3150 KVA	Kg			
e) 5000 KVA	Kg			
f) 7500 KVA	Kg			
g) 8000 KVA	Kg			
5	Re-Insulation of existing HV strip copper conductor with DPC/TPC			a) 1600 KVA
		b) 2000 KVA	Kg	
		c) 3000 KVA	Kg	
		d) 3150 KVA	Kg	
		e) 5000 KVA	Kg	
		f) 7500 KVA	Kg	
		g) 8000 KVA	Kg	

Sl No	Item	Size / Capacity	Unit	Rate
6	Re-Insulation of existing HV wire copper conductor with DPC/TPC			
		a) 1600 KVA	Kg	
		b) 2000 KVA	Kg	
		c) 3000 KVA	Kg	
		d) 3150 KVA	Kg	
		e) 5000 KVA	Kg	
		f) 7500 KVA	Kg	
		g) 8000 KVA	Kg	
7	Re-Insulation of existing LV strip copper conductor with DPC/TPC			
		a) 1600 KVA	Kg	
		b) 2000 KVA	Kg	
		c) 3000 KVA	Kg	
		d) 3150 KVA	Kg	
		e) 5000 KVA	Kg	
		f) 7500 KVA	Kg	
		g) 8000 KVA	Kg	
8	Re-Insulation of existing LV wire copper conductor with DPC/TPC			
		a) 1600 KVA	Kg	
		b) 2000 KVA	Kg	
		c) 3000 KVA	Kg	
		d) 3150 KVA	Kg	
		e) 5000 KVA	Kg	
		f) 7500 KVA	Kg	
		g) 8000 KVA	Kg	
9	Replacement of insulating press board of type - D Sigmacom 2.6 or Precompressed grade only			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
10	Replacement of new Oil Temp Indicator of different make			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
11	Replacement of new transparent type silicagel breather with Alumunium end cover and oil cup.or different KVA rating of different sizes			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	

Sl No	Item	Size / Capacity	Unit	Rate
12	Replacement of Gasket RC-70C Grade for different KVA rating of different sizes			
(A)	900X600X6 mm for Radiator and Main Tank Top flange			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
(B)	900X600X8 mm for Radiator and Main Tank Top flange			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
13	Cleaning and Spray Painting with one coat primer and two coat of industrial grey paint for main tank including conservartor for different KVA rating of different sizes			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
14	Cleaning and Spray Painting with one coat primer and two coat of industrial grey paint for radiator for different KVA rating of different sizes			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
15	HV Bushing as per IS 3347 for different KVA rating of different sizes	36 KV 250 Amp	each	
16	HV Bushing as per IS 3347 for different KVA rating of different sizes	36 KV 630 Amp	each	
17	LV Bushing as per IS 3347 for different KVA rating of different sizes	12 KV 250 Amp	each	
18	LV Bushing as per IS 3347 for different KVA rating of different sizes	12 KV 630 Amp	each	

SI No	Item	Size / Capacity	Unit	Rate
19	HV Brass metal Parts(Stud) as per IS 3347 for different KVA rating of different sizes	36 KV 250 AMP	each	
20	HV Brass metal Parts(Stud) as per IS 3347 for different KVA rating of different sizes	36 KV 630 AMP	each	
21	LV Brass metal Parts(Stud) as per IS 3347 for different KVA rating of different sizes	12 KV 250 AMP	each	
22	LV Brass metal Parts(Stud) as per IS 3347 for different KVA rating of different sizes	12 KV 630 AMP	each	
23	3/4 " C.I Wheel valve with gas plug of different sizes			
			each	
			each	
			each	
			each	
24	1" C.I Wheel valve with gas plug of different sizes			
			each	
			each	
			each	
			each	
25	2" C.I Wheel valve with gas plug of different sizes			
			each	
			each	
			each	
			each	
26	1" both side falnged C.I wheel valve of different sizes			
			each	
			each	
			each	
			each	
27	2" both side falnged C.I wheel valve of different sizes			
			each	
			each	
			each	
			each	
28	Radiator Valve of different sizes			
			each	
			each	
			each	
			each	

29	Replacement of Galvanised hardware items( Nut,Bolt,Washer)			
30	Misc. Expenditure on items not covered for different KVA rating			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	

Sl No	Item	Size / Capacity	Unit	Rate
31	Misc. Expenditures on OLTC for different KVA rating			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
32	CRGO Lamination Grade MS PRIME VIRIGIN CRGO			
33	Winding Temperature Indicator for different KVA rating of different sizes			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
34	Oil Temperature Indicator for different KVA rating of different sizes			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
35	Plastic Oil Level Gauge for different KVA rating of different sizes			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
36	Magnetic Oil Level Gauge for different KVA rating of different sizes			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	

SI No	Item	Size / Capacity	Unit	Rate
37	5 Position 36KV 100 Amps Off Load tap Changing Switch(Single way) for different KVA rating of different sizes			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
38	5 Position 36KV 100 Amps Off Load tap Changing Switch(Double way) for different KVA rating of different sizes			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
39	Filteration of New Transformer Oil		Lit	
40	Filteration of Old Transformer Oil		Lit	
41	New EHV Grade Transformer Oil (No reclamation oil is allowed)		Lit	
42	Total labour charges for repairing of different sizws transformer with out OLTC if any ( Includes Dismantalling of transformer for damage essasment to frame working estimate)			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
42	Total labour charges for repairing OLTC for transformer of different sizws			
		a) 1600 KVA	each	
		b) 2000 KVA	each	
		c) 3000 KVA	each	
		d) 3150 KVA	each	
		e) 5000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
		f) 7500 KVA	each	
		g) 8000 KVA	each	
43	Realisable value of scrap materials			
		a) Alluminium		
		b) Copper		
		c) Iron		
SIGNATURE OF THE TENDERER				