



**TRIPURA STATE ELECTRICITY CORPORATION LIMITED**  
(A Govt. of Tripura Enterprise)

## **MEMORANDUM**

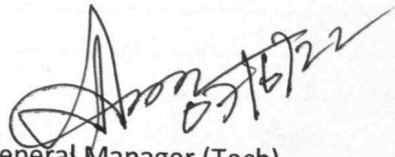
**SUBJECT: - Schedule of rates for the work – Repairing / Servicing & Overhauling / Transportation of Power Transformers of different capacity at level 33/11 KV Sub-Stations.**

The Competent authority of TSECL has approved the **Schedule of rates for – “Repairing / Servicing & Overhauling / Transportation of Power Transformers of different capacity at level 33/11 KV Sub-Stations”** as per recommendation of STC-I of TSECL in its 248<sup>th</sup> meeting held on 11<sup>th</sup> May, 2022 which will take immediate effect.

The rates are inclusive of 18% GST. These rates are available in [www.tsecl.in](http://www.tsecl.in) also.

All concerned under TSECL are hereby requested to consider these rates while preparing estimate for repairing and servicing of power transformer.

**Enclo: As Stated Above**

  
General Manager (Tech)  
Corporate Office, TSECL  
Bidhyut Bhawan,  
Banamalipur, Agartala, Tripura (West)

**No. F. GM (TECH) / TSECL / 2022-23/**

**Dated-**

Copy to:-

1. The PS to Managing Director, TSECL, Corporate office for kind information.
2. The Director (Technical), TSECL, Corporate office for information
3. The Director (Finance), TSECL, Corporate office for information
4. The General Manager (Transmission), TSECL, Corporate office for information
5. The General Manager, TPGCL, Banamalipur, Agartala for information.
6. The General Manager (Finance), TSECL, Corporate office for information
7. The Company Secretary & Nodal (Legal), TSECL, Corporate office for information.

Cntd....

8-18) The Add. General Managers, Electrical Circle No-I, Agartala/ II, Agartala/ North / Unakoti / Dhalai /Khowai / Belonia / Gomati / Sepahijala / Transmission, Agartala / (DP&C),Agartala for information.

19-48) The Deputy General Manager, /Electrical Division No.I, Agartala/ Electrical Division No.-II, Agartala / Capital Complex Electrical Division, / Dharmanagar Electrical Division/ Panisagar Electrical Division /Kanchanpur Electrical Division/Kumarghat Electrical Division /Kailasahar Electrical Division / Kamalpurr Electrical Division /Ambassa Electrical Division / Manu Electrical Division, / Udaipur Electrical Division, / Amarpur Electrical Division/ Belonia Electrical Division, /Sabroom Electrical Division, / Santirbazar Electrical Division /Bishalgarh Electrical Division/Jampuijala Electrical Division/Rabindranagar Electrical Division /Khowai Electrical Division/Teliamura Electrical Division/Jirania Electrical Division / Mohanpur Electrical Division/ Transmission Electrical Division, Agartala / Transmission Electrical Division, Kumarghat / Transmission Electrical Division, Udaipur / Testing & Communication Division, Agartala/Gumti Elect. Division, Jatanbari./ GTED-Baramura / GTED-Rokhia/ Material Management Division, Agartala for information and necessary action.

General Manager (Tech)  
Corporate Office, TSECL  
Bidhyut Bhawan,  
Banamalipur, Agartala, Tripura (West)



Name of Work: Carrying of Power Transformer with associated electrical equipments and other related materials in/c dismantling from **One Sub-Station to Another Sub-Station** under TSECL.

SL	Details of Particulars	Unit	Rate
	Dismantling, dragging, loading, unloading, transportation of 33/11 KV Power Transformer		
	a) Dismantling and unloading of transformer radiators with other necessary equipments & oil from radiators	Per MT per Meter	1527.06
	b) Dragging and loading of transformer from foundation base to loading point	Per MT per Meter	61.07
	c) Transportation of above Transformer with necessary accessories		
	i) 1st 50Km	Per MT Per Km	34.35
	ii) Next 51 Km or above	Per MT Per Km	15.27
	d) Hiring of 30 MT hydrolic crain for lifting of transformer and accessories. 1) Detension Charge	Per Day	12980.00
	2) Up to 25 KM	Per KM	118.00
	3) 26KM and above Loading	Per KM	47.47
	e) Hiring of 30 MT hydrolic crain for lifting of transformer and accessories. 1) Detension Charge	Per Day	12980.00
	2) Up to 25 KM	Per KM	118.00
	3) 26KM and above	Per KM	47.47
	f) Unloading and Dragging of transformer from tailer to foundation base to loading point	Per MT per Meter	61.07
	g) unloading of transformer radiators with other necessary equipments & oil from radiators and errection	Per MT per Meter	1527.07
Sub-Total amount in Rs.			
Note: Weight of Power Transformer 1.6 MVA=7 MT, 3.15 MVA=11 MT, 5 MVA=14 MT, 7.5 MVA=17 MT			

Note:- Rates includes 18% GST.

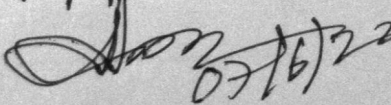
*Approved.*  
*H. K. DAS*  
*09/6/22*

(Er. H. K. DAS)  
General Manager (Tech.)  
TSECL, Tripura, Agartala.

**Name of Job** : Servicing and Overhauling of Power Transformer of 1.6 MVA to 7.5 MVA 33/11 KV capacity under TSECL.

SL	Description of item /work	Qty Unit		1.6 MVA	3.15 MVA	5 MVA	7 MVA
				Rate per unit or per each (In Rs.)	Rate per unit or per each (In Rs.)	Rate per unit or per each (In Rs.)	Rate per unit or per each (In Rs.)
1	Disconnection of all clamps & connector at HV & LV side of the above mention Power Transformer from existing Transformer Base to work site within the the concerned Sub-Division	1	Job	5192	6490	7788	9086
2	Draining out of transformer oil to emty barrel of the above power transformer with necessary arrangement of empty barrels by agency	750	per Litre	5.192	5.192	5.192	5.192
3	Dismantling of of all bushing of above Transformer	1	Job	3894	5192	6490	7788
4	Disconnection of all tap-changer of the above trnsformer	1	Job	3894	5192	6490	7788
5	Dismantling of Radiators of the above transformer	1	Job	10384	12980	15576	18172
6	Dismantling of all flange connected to HV Bushing ,Buchholz etc. as required for the above Transformer	1	Job	3894	6490	7788	9086
7	Cutting of Gasket sheet as required dimension of top Inspection cover ,side Inspection cover , Radiators , bushing , PRV including all connector flanges for replacement of damages old gaskets of the above power Transformer (Requires Gasket conforming to latest IS shall be supplied by the agency )	1	Job	27342.37	33618.2	43645.25	43645.25
8	Lifting arrangement of main Tank Top cover of damaged oil gasket including associated works as required of the above Transformer	1	Job	7788	10384	11682	11682
9	Necessary cleaning of core and winding by hot oil spraying as required for the above transformer	1	Job	3894	5500	6600	9086
10	Necessary cleaning of decomposed accumulated slugs of the above transformer	1	Job	3894	6490	7788	9086
11	Filtration of oil in barrel/container to achieve required BDV of the above power transformer	750	per Litre	6.49	6.49	6.49	6.49
12	Transfomer oil Tanking under vaccum pressure of the above transformer	1	Job	6490	9086	11682	12980
13	Filtration oil shall be continued until achieving satisfactory IR value of the above transformer	750	per Litre	6.49	6.49	6.49	6.49
14(a)	Carrying of filter machine, Manpower, empty barrels other accessories and back within Agartala	4	Trip	2920.5	2920.5	2920.5	2920.5
14(b)	Carrying of filter machine, Manpower, empty barrels other accessories and back otherthan Agartala						
	i) Detension Charge per day Basis	1	per Day	3894	3894	3894	3894
	ii) Distance per KM Basis		Per km	38.94	38.94	38.94	38.94

Note:- Rates Including 18% GST .

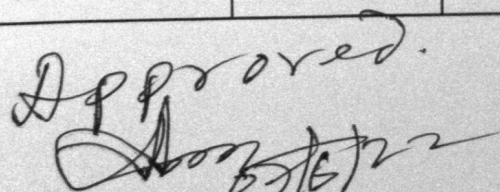
*Approved.*  


(Er. H. K. DAS)  
 General Manager (Tech.)  
 TSECL, Tripura, Agartala.



**Name of work: - "Major repairing & Serveceing of Power Trasformer 33/11 KV 1.6 MVA to 7.5 MVA under TSECL"**

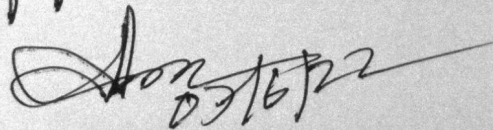
Sl.	Description of items	Unit	Rate
<b>1.</b>	<b>Re-winding &amp; re-insulation with Tripple coated paper insulation HV / LV Coil: -</b>		
<b>a</b>	1.6 MVA ,33/11 KV power transformer.	Kg	110.36
<b>b</b>	3.15 MVA, 33/11 KV power transformer.	Kg	110.36
<b>c</b>	5 MVA, 33/11 KV power transformer.	Kg	110.36
<b>d</b>	7.5 MVA, 33/11 KV power transformer.	Kg	110.36
<b>e</b>	8MVA, 33/11 KV power transformer.	Kg	110.36
<b>f</b>	10MVA, 33/11 KV power transformer.	Kg	110.36
<b>g</b>	15MVA, 33/11 KV power transformer.	Kg	110.36
<b>2.</b>	<b>Providing of new HV / LV coil: -</b>		
<b>a</b>	1.6 MVA ,33/11 KV power transformer.	Kg	1297.38
<b>b</b>	3.15 MVA, 33/11 KV power transformer.	Kg	1297.38
<b>c</b>	5 MVA, 33/11 KV power transformer.	Kg	1297.38
<b>d</b>	7.5 MVA, 33/11 KV power transformer.	Kg	1297.38
<b>e</b>	8MVA, 33/11 KV power transformer.	Kg	1297.38
<b>f</b>	10MVA, 33/11 KV power transformer.	Kg	1297.38
<b>g</b>	15MVA, 33/11 KV power transformer.	Kg	1297.38
<b>3</b>	<b>Supply of the following: -</b>		
	a) LV Bushing complete (1.6 to 15 MVA)	Nos	250.00
	b) LV brass stud complete (1.6 to 15 MVA)	Nos	1200.00
	c) HV bushing for 1.6 MVA to 15 MVA	Nos	1200.00
	d) HV brass stud complete (1.6 MVA to 15 MVA )	No.	1200.00
	e) Buchholz Relay	No.	19500.00
	f) Thermometer (WTI)	No.	17000.00
	g) Oil Temperature Indicator ( OTI)	No.	17000.00
	i) Transperent type poly carbon Silicajel Breather 2 Kg Capacity	No.	2000.00
	i) Transperent type poly carbon Silicajel Breather 2.5 Kg Capacity	No.	3000.00
	i) Transperent type poly carbon Silicajel Breather 3 Kg Capacity	No.	4000.00
	i) Transperent type poly carbon Silicajel Breather 4 Kg Capacity	No.	4500.00
	i) Transperent type poly carbon Silicajel Breather 5 Kg Capacity	No.	5000.00
	l) Gasket and insulation materials as per required size as IS	Kg	350.00
	m) Nuts and Bolts as per required size	Kg	100.00
	n) Press Board / Insulating Paper/ Crapped Paper	Kg	250.16

  
 (Er. H. K. DAS)  
 General Manager (Tech.)  
 TSECL, Tripura, Agartala.

4	Major repairing of transformer including dismantling of core and coils, re-assembling & boxing-up after repairing or replacement of core & coils, repairing of tank including sealing of drain valve temporarily (inner side) by gas welding as required.		
a	1.6 MVA ,33/11 KV power transformer.	No.	106955.20
b	3.15 MVA, 33/11 KV power transformer.	No.	119935.20
c	5 MVA, 33/11 KV power transformer.	No.	132915.20
d	7.5 MVA, 33/11 KV power transformer.	No.	142780.00
e	8MVA, 33/11 KV power transformer.	No.	158875.20
f	10MVA, 33/11 KV power transformer.	No.	171855.20
g	15MVA, 33/11 KV power transformer.	No.	184835.20
7.	Painting and varnishing of transformer including supply of paint etc. as required.		
a	1.6 MVA ,33/11 KV power transformer.	No.	2660.90
b	3.15 MVA, 33/11 KV power transformer.	No.	2926.99
c	5 MVA, 33/11 KV power transformer.	No.	3193.08
d	7.5 MVA, 33/11 KV power transformer.	No.	3459.17
e	8MVA, 33/11 KV power transformer.	No.	3725.26
f	10MVA, 33/11 KV power transformer.	No.	3991.35
g	15MVA, 33/11 KV power transformer.	No.	4257.44
	Total (A)		
8	h) Oil filtration will be done upto achieving satisfactory IR Value with necessary arrangement like empty barrels	Ltrs	6.49
	Scrap materials (HV / LV)		
9	b) Cost of old scrap Copper coils to be retained by repairer (owner will not take back old scraps)	Kg	410.00
	Total amount of scrap materials (B)		
10	Total after deduction of amount of scrap materials (A - B)		

Note:- Rates inclusive of 18% GST .

Approved.



(Er. H. K. DAS)  
General Manager (Tech.)  
TSECL, Tripura, Agartala.