

TAMILNADU POWER DISTRIBUTION CORPORATION LIMITED
ABSTRACT

Electricity –CoimbatoreRegion – Establishment of 33/11 kV SS – 6 Nos. - Proposed to be executed – Revised Administrative approval- Accorded.

TECHNICAL BRANCH

(Per). MD TNPDC Proceedings No.67

Dated: 12.08.2026.
Sri Parabavavarudam
Aadi: 27,
Thiruvalluvar Aandu 2057.

READ: Chairman cum Managing Director's approval dated:03.08.2026.

PROCEEDINGS:

1. The Tamilnadu Power Distribution Corporation Limited hereby approves the revised proposal for the sanctioned 6 Nos. establishment of 33/11 kV SS in Tirupur and Palladam EDCs of Coimbatore Region at a total estimated cost of Rs.6299.70 Lakhs Gross & Nett. by superseding the approval already accorded as detailed below:

Sl No	Name of EDC	Name of the 33/11 kV substation	Sanctioned vide BP.No and date
1	Tirupur	AmaravathiPalayam 33/11 kV SS at Muthanampalayam	35/28.03.2025
2	Tirupur	Mangalam 33/11 kV SS at Pudupalayam	35/28.03.2025
3	Tirupur	Kavilipalayam 33/11 kV indoor SS at Velampalayam	35/28.03.2025
4	Tirupur	Anaipalayam 33/11 kV SS	239/05.12.2022
5	Palladam	Kambiliyampatty 33/11 kV SS	35/28.03.2025
6	Palladam	Kathankanni 33/11 kV SS	35/28.03.2025

The detailed estimates and report are annexed to these proceedings.

2. The expenditure is chargeable to TNPDC - Funds - Capital Expenditure - Coimbatore Region - New SS – A/C code No.14:555, ERP A/c code no.1020300.
3. By virtue of the provisions contained in sub-section (2) (a) of section 185 of the Electricity Act, 2003, the TNPDC being the Licensee and successor entity of Tamilnadu Electricity Board will exercise the powers of the Telegraph Authority under the provisions of section 164 of the Electricity Act, 2003, which

(Per.) MD TNPDC Proceedings No.67,dt: 12.08.2026

have already been conferred upon the Board under section 51 of the Indian Electricity Act, 1910.

2. The work is to be taken up after ensuring budget provision.

// BY ORDER OF THE CMD //

N.SIVAGAMI
CHIEF ENGINEER/PLANNING & RC_(i/c)

Encl: Report and detailed estimate.

To

The Chief Engineer/Distribution/Coimbatore Region

Copy to:

The Director/Distribution/TNPDC/Chennai-2

The Director/Finance/TNPDC/Chennai - 2

The Chief Engineer/ Material Management/Chennai -2

The Chief Engineer/ IT & R-APDRP/Chennai -2

The Superintending Engineer/Tirupur EDC

The Superintending Engineer/Palladam EDC

The Superintending Engineer / RE&I(D) / Chennai -2

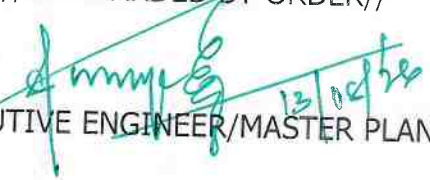
The Company Secretary/TNPDC/Chennai -2

The Resident Audit Officer (AGO'S Unit) / Chennai -2

B.P. Section (Administrative Branch)

Stock to file

//FORWARDED BY ORDER//


EXECUTIVE ENGINEER/MASTER PLAN II

REPORT TO ACCOMPANY THE ESTIMATE

This proposal envisages revised proposal for the sanctioned 6 Nos. establishment of 33/11 kV SS in Coimbatore Region at a total estimated cost of Rs.6299.70 Lakhs Gross & Nett. by superseding the approval already accorded for the said substations.

Need:

Administrative approval for various proposals for establishment of 33/11 kV SS were sanctioned based on the field requirement to meet out the load growth. In the above sanctions, the rate as per prevailing cost data at that time and standard rates for civil works has been adopted.

Subsequently, schemes were proposed to be taken up under RDSS funding and the rates were standardized during 11/2022. Hence, revised administrative approval was accorded during 03/2025 for the schemes sanctioned between 2018-2022 by adopting the above standardized rates

However, the above schemes were not taken up as the funding was not sanctioned. Now, it is proposed to take up the sanctioned schemes with necessary fund tie-up. In the meanwhile, TNPDC's schedule of rates for the year 2025-26 has been communicated vide Lr.No.CE/Plg&RC/SE/RE&I(D)/EE/PC-I/F.SoR25-26/D.164/25, dt.22.10.2025

As the above substation schemes were sanctioned based on 11/2022 rates and are proposed to be executed in this financial year, it becomes essential to revise the estimate as per the schedule of rates for the year 2025-26 and as per the field condition, so as to take up the works.

The provision which were made in the original estimate for 6 Nos. schemes has been modified as detailed below;

i) Amaravathypalayam 33/11 kV SS:

In the original sanction, provision towards erection of 33 kV line with Dog conductor on 9 mtrs. PSC pole as per standard has been made. However, the proposed 33 kV line has to be erected along the new bus stand, commercial, residential area and along the narrow road in which already HT and LT feeders are running. Hence, in order to have adequate clearance, it has been proposed to erect 33 kV line with Dog conductor on RSJ pole.

ii) Mangalam 33/11 kV SS:

The rates has been revised as per schedule of rates for the year 2025-26.

iii) Kavilipalayam 33/11 kV SS:

In the original sanction, provision towards erection of 33 kV line with Dog conductor on 9 mtrs. PSC pole as per standard has been made. The proposed 33 kV feeder is proposed to be erected along the road having cluster of industrial & commercial building on both sides of road. Hence, in order to have adequate clearance, it has been proposed to erect 33 kV line with Dog conductor on RSJ pole for a distance of 1.511 kms.

iv) Anaipalayam 33/11 kV SS:

In the original sanction, provision towards erection of 33 kV line with Dog conductor on 9 mtrs. PSC pole as per standard has been made. However, now it has been proposed to erect 33 kV line with Dog conductor on RSJ pole as the proposed has to be erected along the water course (irrigation Canal) & along SIPCOT and TADCO Industrial estate area and & narrow road.

v) Kambiliyampatty 33/11 kV SS:

In the original sanction, provision towards erection of 33 kV line with Dog conductor on 9 m PSC pole as per standard has been made in the estimate. However, due to multiple HT line crossing at Source SS end, it has been proposed to lay 33 kV 1x630 Sq. mm. UG cable for a distance of 0.302 kms. Further, erection of 33 kV Line on RSJ pole has been proposed only in HT line crossings for a distance of about 1.877 kms. In addition, due to way leave problem, 11 kV Double circuit line for a distance of 1.133 kms. has been proposed at SS end.

vi) Kathankanni 33/11 kV SS:

In the original sanction, provision towards erection of 33 kV line with Dog conductor on 9 mtrs. PSC pole as per standard has been made. However, as there is multiple HT feeder crossing at Source SS end, it has been proposed to lay 33 kV 1x630 Sq. mm. UG cable for a distance of 0.292 kms. Further, erection of 33 kV line on RSJ pole has been proposed only in HT line crossings for a distance of about 5.5 kms. In addition, due to way leave problem, 11 kV Double circuit line link for a distance of 2.541 kms. has been proposed at proposed SS end.

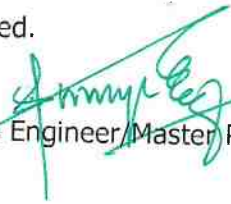
Accordingly, the estimate for the above schemes has been revised for Coimbatore Region and the details of original sanction and the revised estimated cost are as below:

Sl No	Name of EDC	Name of the 33/11 kV substation	Sanctioned vide BP.No and date	Sanctioned Amount in Rs. Lakhs	Revised estimate cost in Rs. Lakhs	% increase
1	Tirupur	AmaravathiPalayam 33/11 kV SS at Muthanampalayam	35/28.03.2025	785.85	931.41	18.52

2	Tirupur	Mangalam 33/11 kV SS at Pudupalayam	35/28.03.2025	951.52	1051.23	10.48
3	Tirupur	Kavilipalayam 33/11 kV indoor SS at Velampalayam	35/28.03.2025	1602.52	1852.75	15.61
4	Tirupur	Anaipalayam 33/11 kV SS	239/05.12.2022	727.50	858.69	18.03
5	Palladam	Kambiliyampatty 33/11 kV SS	35/28.03.2025	663.31	766.43	15.55
6	Palladam	Kathankanni 33/11 kV SS	35/28.03.2025	674.83	839.19	24.36
			Total	5405.53 (G) & (N)	6299.70 (G) & (N)	

As the cost variation of the schemes are either more than 10% of the administratively approved cost or cost towards individual material is more than 5% from the already approved cost, revised approval is necessary to take up the works.

The work involved as per the original sanction remains unaltered.


Executive Engineer/Master Plan II

ABSTRACT

SL.NO	DESCRIPTION	COST IN LAKHS	
		GROSS	NETT
	Coimbatore Region		
I	Tirupur EDC		
1	Establishment of Amaravathypalayam 33/11 kV SS at Muthanampalayam with 2x8 MVA power transformers in Tirupur EDC of Coimbatore Region	931.41	931.41
2	Establishment of Mangalam 33/11 kV SS at Pudupalayam with 2x8 MVA Power Transformers in Tirupur EDC of Coimbatore Region	1051.23	1051.23
3	Establishment of Kavilipalayam 33/11 kV indoor SS at Velampalayam with 2x8 MVA power transformers in Tirupur EDC of Coimbatore Region	1852.75	1852.75
4	Establishment of 33/11 kV SS at Anaipalayam with 1x8 MVA Power Transformer in Tirupur EDC of Coimbatore Region	858.69	858.69
II	Palladam EDC		
1	Establishment of 33/11 kV SS at Kambiliyampatty with 1x8 MVA power transformer in Palladam EDC of Coimbatore Region	766.43	766.43
2	Establishment of 33/11 kV SS at Kathankanni with 1x8 MVA power transformer in Palladam EDC of Coimbatore Region	839.19	839.19
	Total	6299.70	6299.70


Executive Engineer / Master Plan II

**REVISED ESTIMATE FOR ESTABLISHMENT OF AMARAVATHYPALAYAM 33/11 KV SS AT
MUTHANAMPALAYAM WITH 2x8 MVA POWER TRANSFORMER IN TIRUPUR EDC**

Part I: Cost of new asset

Rs. In Lakhs

SL.NO	DESCRIPTION	QTY	RATE	PER	AMOUNT	TOTAL
I	CIVIL WORKS					
1	Land Cost (actuals)				21.105	
2	Civil works such as construction of control room with lighting, cable duct, road, fencing & gate, culvert, yard filling, retaining wall, borewell & water works, watering arrangement for earth pits, power transformer plinth, provision for sand drums & sand, supply of furnitures, T & P etc. (inclusive of contingencies, labour, administrative expenses, all statutory levies etc.)			LS	180.000	
3	Construction of fire protection wall			LS	3.000	
4	Total				204.105	204.11
II	Electrical Works					
1	33 kV AB Switch	4 Nos	0.466	E	1.864	
2	33 kV SF6/VCB Breaker	1 No	2.930	E	2.930	
3	33 kV CTs	3 Nos	0.308	E	0.924	
4	33 kV PTs	3 Nos	0.336	E	1.008	
5	33 kV LAS stn. Type	6 Nos	0.038	E	0.228	
6	11 kV Breaker (2 LV+ 4 fdrs)	6 Nos	1.626	E	9.756	
7	11 kV CTS	18 Nos	0.250	E	4.500	
8	11 kV AB Switch	11 Nos	0.236	E	2.596	
9	11 kV Bus PT	3 Nos	0.511	S	1.533	
10	11 kV LAS stn. Type	6 Nos	0.018	E	0.108	
11	11 kV LAS distn. Type	12 Nos	0.008	E	0.096	
12	Earthing painting and Yard lighting			LS	10.000	
13	Control cable			LS	10.000	
14	110 V Battery with 2 charger	1 set	8.707	set	8.707	
15	100 kVA, 11 kV/433 V Stn. Tr.	1 No	4.737	set	4.737	
16	Fire fighting equipments				3.000	
17	P&T Phone				0.100	
18	Scientific instruments				5.000	
19	C&R panel			LS	17.000	
20	DC panel	1 No	0.98	E	0.980	
21	AC panel	1 No	1.028	E	1.028	
22	110 V DC Annunciator Panel	1 No	1.145	E	1.145	
23	Sub Total				87.240	
24	Contingencies @ 1%				0.872	
25	Total for materials				88.112	
26	Labour and Transport charges @ 15%				13.217	
27	GST on labour & transport @ 18%				2.379	
28	Total for material and labour				103.708	
29	8 MVA, 33/11 kV Pr. Tr. with OLTC	2 Nos	88.374	E	176.748	
30	Labour and transport including GST	2 Loc	8.000	Loc	16.000	
31	Earthing	2 Loc	0.500	Loc	1.000	
32	Subtotal				297.456	
33	Estt & Sup. Charges 15%				44.618	
34	Subtotal				342.075	342.07
35	Plinth for breakers	7 Nos.	2.500	E	17.500	
36	33 kV Structure	1 set	38.090	set	38.090	
37	11 kV Structure	1 set	33.791	set	33.791	
38	11 kV Link line with 7/4.09 ACSR	6.409 kms.	8.000	km	51.272	
39	11 kV, 3x300 Sq. mm. UG cable for Railway crossing	0.09 kms.	73.11	km	6.580	
40	11 kV capacitor bank 2.4 MVAR	1 Set	27.008	set	27.008	
41	33 kV line with Dog conductor on RSJ pole	5.127 kms.	18.610	km	95.413	
42	Laying of 33 kV, 1x630 Sq.mm. UG cable	1.124 kms.	90.73	km	101.981	
43	33 kV DP Structures in 33 kV Source feeder	5 Loc	2.72	Loc	13.600	
44	Subtotal				385.23	385.23
45	Total Gross & Nett.					931.41

**REVISED ESTIMATE FOR FOR ESTABLISHMENT OF MANGALAM 33/11 KV SS AT PUDUPALAYAM WITH 2x8 MVA
POWER TRANSFORMER IN TIRUPUR EDC**

Part I: Cost of new asset

Rs. In Lakhs

SL.NO	DESCRIPTION	QTY	RATE	PER	AMOUNT	TOTAL
I	CIVIL WORKS					
1	Land Cost (actuals)				43.740	
2	Civil works such as construction of control room with lighting, cable duct, road, fencing & gate, culvert, yard filling, retaining wall, borewell & water works, watering arrangement for earth pits, power transformer plinth, provision for sand drums & sand, supply of furnitures, T & P etc. (inclusive of contingencies, labour, administrative expenses, all statutory levies etc.)			LS	180.000	
3	Construction of fire protection wall			LS	3.000	
4	Total				226.740	226.74
II	Electrical Works					
1	33 kV AB Switch	4 Nos	0.466	E	1.864	
2	33 kV SF6/VCB Breaker	1 No	2.930	E	2.930	
3	33 kV CTs	3 Nos	0.308	E	0.924	
4	33 kV PTs	3 Nos	0.336	E	1.008	
5	33 kV LAS stn. Type	6 Nos	0.038	E	0.228	
6	11 kV Breaker (2 LV+ 5 fdrs)	7 Nos	1.626	E	11.382	
7	11 kV CTS	21 Nos	0.250	E	5.250	
8	11 kV AB Switch	13 Nos	0.236	E	3.068	
9	11 kV Bus PT	3 Nos	0.511	S	1.533	
10	11 kV LAS stn. Type	6 Nos	0.018	E	0.108	
11	11 kV LAS distn. Type	15 Nos	0.008	E	0.120	
12	Earthing painting and Yard lighting			LS	10.000	
13	Control cable			LS	10.000	
14	110 V Battery with 2 charger	1 set	8.707	set	8.707	
15	100 kVA, 11 kV/433 V Stn. Tr.	1 No	4.737	set	4.737	
16	Fire fighting equipments				3.000	
17	P&T Phone				0.100	
18	Scientific Instruments				5.000	
19	C&R panel			LS	17.000	
20	DC panel	1 No	0.98	E	0.980	
21	AC panel	1 No	1.028	E	1.028	
22	110 V DC Annunciator Panel	1 No	1.145	E	1.145	
23	Sub Total				90.112	
24	Contingencies @ 1%				0.901	
25	Total for materials				91.013	
26	Labour and Transport charges @ 15%				13.652	
27	GST on labour & transport @ 18%				2.457	
28	Total for material and labour				107.122	
29	8 MVA, 33/11 kV Pr. Tr. with OLTC	2 Nos	88.374	E	176.748	
30	Labour and transport including GST	2 Loc	8.000	Loc	16.000	
31	Earthing	2 Loc	0.500	Loc	1.000	
32	Subtotal				300.870	
33	Estt & Sup. Charges 15%				45.131	
34	Subtotal				346.001	346.00
35	Plinth for breakers	8 Nos.	2.500	E	20.000	
36	33 kV Structure	1 set	38.090	set	38.090	
37	11 kV Structure	1 set	33.791	set	33.791	
38	11 kV Link line with 7/4.09 ACSR	6.3 kms.	8.000	km	50.400	
39	11 kV capacitor bank 2.4 MVAR	1 Set	27.008	set	27.008	
40	Laying of 33 kV, 1x630 sq.mm XLPE UG cable from Vanjipalayam 110 kV SS to the proposed 33 kV SS	3.288 kms.	90.73	Loc	298.320	
41	33 kV DP Structures in 33 kV Source feeder	4 Loc	2.72	Loc	10.880	
42	Subtotal				478.49	478.49
43	Total Gross & Nett.					1051.23

**REVISED ESTIMATE FOR ESTABLISHMENT OF KAVILIPALAYAM 33/11 KV INDOOR SS AT
VELAMPALAYAM WITH 2X8 MVA POWER TRANSFORMERS IN TIRUPUR EDC OF
COIMBATORE REGION**

Rs in Lakhs					
Sl.No	DESCRIPTION	QUANTITY	RATE	PER	TOTAL AMOUNT
I	CIVIL WORKS				
1	Land cost (actuals)				26.85
2	Control Room building with pile foundation, Transformer plinth, fire protection wall, RCC cable duct, RCC approach road, Water system including Sump and septic tank, compound wall, gravel filling for yard etc..			LS	270.00
	Total for civil works				296.85
II	Electrical Works				
1	33 KV VCB Indoor (Transformer HV)	2 Nos.	13.558	E	27.116
2	33 KV VCB Indoor feeder(Incoming - 2 Nos.)	2 Nos.	11.904	E	23.808
3	33 KV VCB Indoor (Bus coupler)	1 No.	14.908	E	14.908
4	33 KV Bus Adapter	1 No.	1.954	E	1.954
5	11 KV VCB Indoor (Transformer LV)	2 Nos.	6.863	E	13.726
6	11 KV VCB Indoor (for 5 nos. Feeder + 1 no. spare)	6 Nos.	5.310	E	31.860
7	11 KV VCB Indoor (Bus coupler)	1 No.	7.091	E	7.091
8	11 KV Bus Adapter	1 No.	1.659	E	1.659
9	Control cable			LS	7.000
10	100 KVA, 11 KV/433 V Distribution Transformer with structure	1 Set	4.737	Set	4.737
11	110 V Battery set (1 no.) with 2 Chargers.			Set	8.707
12	AC Panel	1 No.	3.874	E	3.874
13	DC Panel	1 No.	2.868	E	2.868
14	Annunciator Panel	1 No.	1.145	E	1.145
15	Earthing, Painting & Yard lighting	1 Set	10.000	Set	10.000
16	Fire fighting equipment	1 Set		LS	3.000
17	VHF Communication	1 Set		LS	2.400
18	P & T phone	1 No.		E	0.100
19	SCADA			LS	20.000
20	Scientific instruments			LS	5.000
21	T & P materials and Furniture			LS	4.000
22	33 kV, 1x630 sqmm XLPE cable with accessories with termination kit			LS	10.000
23	11 kV, 1x630 sqmm XLPE cable with accessories with termination kit			LS	10.000
24	Electrification Ground and first floor			LS	10.000
25	Cost of materials				224.953

**REVISED ESTIMATE FOR ESTABLISHMENT OF KAVILIPALAYAM 33/11 KV INDOOR SS AT
VELAMPALAYAM WITH 2X8 MVA POWER TRANSFORMERS IN TIRUPUR EDC OF
COIMBATORE REGION**

Rs in Lakhs

Sl.No	DESCRIPTION	QUANTITY	RATE	PER	TOTAL AMOUNT
26	Contingencies @ 1%				2.250
27	Sub total				227.203
28	Labour and Transport charges @15%				34.080
29	GST on labour & transport				6.134
30	Sub total				267.417
31	8 MVA, 33/11 KV power transformer with OLTC (Indoor)	2 Nos.	88.374	E	176.748
32	Labour & Transport for trs including GST	2 Nos.	8.000	Tr	16.000
33	Earthing	2 Nos.	0.500	Tr	1.000
34	Sub Total				461.165
35	Estt & Supervision charges @15%				69.175
36	11 kV capacitor bank 2.4 MVAR	1 Set	27.008	Set	27.008
37	Laying of 33 kV, 1x630 sq.mm XLPE UG cable from Vanjipalayam 110 KV SS to the proposed 33 kV SS	9.003 kms	90.730	km	816.84
38	Erection of 33 kV line with Dog conductor on RSJ Pole	1.511 kms	18.610	km	28.12
39	Laying of 11 KV XLPE 3x300 sq.mm UG cable	2.06 Km	53.55	Km	110.31
40	11 kV Link line with 7/4.09 ACSR	0.188 kms.	8.055	km	1.514
41	33 kV DP Structures in 33 kV Source feeder	8 Loc	2.72	Loc	21.760
42	33 kV & 11 kV structures along with AB switches			LS	20.000
43	Sub total				1555.90
44	Total for Electrical works				1555.90
45	Total for Civil works				296.85
46	Total Gross & Nett				1852.75

**DETAILED ESTIMATE FOR ESTABLISHMENT OF 33/11 KV SS AT ANAIPALAYAM WITH 1x8 MVA
POWER TRANSFORMER IN TIRUPUR EDC**

Part I: Cost of new asset

Rs. In Lakhs

SL.NO	DESCRIPTION	QTY	RATE	PER	AMOUNT	TOTAL
I	CIVIL WORKS					
1	Land Cost (actuals)				10.648	
2	Civil works such as construction of control room with lighting, cable duct, road, fencing & gate, culvert, yard filling, retaining wall, borewell & water works, watering arrangement for earth pits, power transformer plinth, provision for sand drums & sand, supply of furnitures, T & P etc. (inclusive of contingencies, labour, administrative expenses, all statutory levies etc.)			LS	175.000	
3	Additional provision for yard filling, construction of retaining wall etc.			LS	40.000	
4	Total				225.648	225.65
II	Electrical Works					
1	33 kV AB Switch	3 Nos	0.466	E	1.398	
2	33 kV SF6/VCB Breaker	1 No	2.930	E	2.930	
3	33 kV CTs	3 Nos	0.308	E	0.924	
4	33 kV PTs	3 Nos	0.336	E	1.008	
5	33 kV LAS stn. Type	3 Nos	0.038	E	0.114	
6	11 kV Breaker (1 LV+ 4 fdrs)	5 Nos	1.626	E	8.130	
7	11 kV CTS	15 Nos	0.250	E	3.750	
8	11 kV AB Switch	10 Nos	0.236	E	2.360	
9	11 kV Bus PT	3 Nos	0.511	S	1.533	
10	11 kV LAS stn. Type	3 Nos	0.018	E	0.054	
11	11 kV LAS distn. Type	12 Nos	0.008	E	0.096	
12	Earthing painting and Yard lighting			LS	10.000	
13	Control cable			LS	10.000	
14	110 V Battery with 2 charger	1 set	8.707	set	8.707	
15	100 kVA, 11 kV/433 V Stn. Tr.	1 No	4.737	set	4.737	
16	Fire fighting equipments				3.000	
17	P&T Phone				0.100	
18	Scientific instruments				5.000	
19	C&R panel			LS	15.000	
20	DC panel	1 No	0.883	E	0.883	
21	AC panel	1 No	0.799	E	0.799	
22	110 V DC Annunciator Panel	1 No	1.145	E	1.145	
23	Sub Total				81.668	
24	Contingencies @ 1%				0.817	
25	Total for materials				82.485	
26	Labour and Transport charges @ 15%				12.373	
27	GST on labour & transport @ 18%				2.227	
28	Total for material and labour				97.084	
29	8 MVA, 33/11 kV Pr. Tr. with OLTC	1 No	88.374	E	88.374	
30	Labour and transport including GST	1 Loc	8.000	Loc	8.000	
31	Earthing	1 Loc	0.500	Loc	0.500	
32	Subtotal				193.958	
33	Estt & Sup. Charges 15%				29.094	
34	Subtotal				223.052	223.05
35	Plinth for breakers	6 Nos.	2.500	E	15.000	
36	33 kV Structure	1 set	38.090	set	38.090	
37	11 kV Structure	1 set	33.791	set	33.791	
38	11 kV Link line with 7/4.09 ACSR	4.532 kms.	8.000	km	36.256	
39	11 kV capacitor bank 2.4 MVAR	1 Set	27.008	set	27.008	
40	33 kV line with Dog conductor on RSJ Pole	3.223 kms.	20.100	Loc	64.782	
41	Laying of 33 kV, 1x630 sq.mm XLPE UG cable	2.0 kms	90.730	km	181.46	
42	33 kV DP Structures in 33 kV Source feeder	5 Loc	2.72	Loc	13.600	
43	Subtotal				409.99	
44	Total Gross & Nett.				409.99	858.69

Revised estimate for establishment of 33/11 kV SS at Kambiliyampatty with 1x8 MVA power transformer in Palladam EDC of Coimbatore Region

Part I: Cost of new asset

Rs. In Lakhs

SL.NO	DESCRIPTION	QTY	RATE	PER	AMOUNT	TOTAL
I	CIVIL WORKS					
1	Land Cost (actuals)				0.010	
2	Civil works such as construction of control room with lighting, cable duct, road, fencing & gate, culvert, yard filling, retaining wall, borewell & water works, watering arrangement for earth pits, power transformer plinth, provision for sand drums & sand, supply of furnitures, T & P etc. (inclusive of contingencies, labour, administrative expenses, all statutory levies etc.)			LS	175.000	
3	Total				175.010	175.01
II	Electrical Works					
1	33 kV AB Switch	3 Nos	0.466	E	1.398	
2	33 kV SF6/VCB Breaker	1 No	2.930	E	2.930	
3	33 kV CTs	3 Nos	0.308	E	0.924	
4	33 kV PTs	3 Nos	0.336	E	1.008	
5	33 kV LAS stn. Type	3 Nos	0.038	E	0.114	
6	11 kV Breaker (1 LV+ 4 fdrs)	5 Nos	1.626	E	8.130	
7	11 kV CTS	15 Nos	0.250	E	3.750	
8	11 kV AB Switch	10 Nos	0.236	E	2.360	
9	11 kV Bus PT	3 Nos	0.511	S	1.533	
10	11 kV LAS stn. Type	3 Nos	0.018	E	0.054	
11	11 kV LAS distn. Type	12 Nos	0.008	E	0.096	
12	Earthing painting and Yard lighting			LS	10.000	
13	Control cable			LS	10.000	
14	110 V Battery with 2 charger	1 set	8.707	set	8.707	
15	100 kVA, 11 kV/433 V Stn. Tr.	1 No	4.737	set	4.737	
16	Fire fighting equipments				3.000	
17	P&T Phone				0.100	
18	Scientific instruments				5.000	
19	C&R panel			LS	15.000	
20	DC panel	1 No	0.98	E	0.980	
21	AC panel	1 No	1.028	E	1.028	
22	110 V DC Annunciator Panel	1 No	1.145	E	1.145	
23	Sub Total				81.994	
24	Contingencies @ 1%				0.820	
25	Total for materials				82.814	
26	Labour and Transport charges @ 15%				12.422	
27	GST on labour & transport @ 18%				2.236	
28	Total for material and labour				97.472	
29	8 MVA, 33/11 kV Pr. Tr. with OLTC	1 No	88.374	E	88.374	
30	Labour and transport including GST	1 Loc	8.000	Loc	8.000	
31	Earthing	1 Loc	0.500	Loc	0.500	
32	Subtotal				194.346	
33	Estt & Sup. Charges 15%				29.152	
34	Subtotal				223.498	223.50
35	Plinth for breakers	6 Nos.	2.500	E	15.000	
36	33 kV Structure	1 set	38.090	set	38.090	
37	11 kV Structure	1 set	33.791	set	33.791	
38	11 kV Link line with 7/4.09 ACSR	3.83 kms.	8.000	km	30.640	
39	11 kV Double circuit link line with 7/4.09 ACSR RSJ pole	1.133 kms.	20.890	km	23.668	
40	11 kV, 3x300 Sq. mm. UG cable	0.132 kms.	53.11	km	7.011	
41	11 kV capacitor bank 2.4 MVAR	1 Set	27.008	set	27.008	
42	33 kV line with Dog conductor on PSC pole	9.505 kms.	12.000	Loc	114.060	
43	33 kV line with Dog conductor on RSJ pole	1.877 kms.	18.610	Loc	34.931	
44	Laying of 33 kV, 1x630 Sq.mm. UG cable	0.302 kms.	90.73	Loc	27.400	
45	33 kV DP Structures in 33 kV Source feeder	6 Loc	2.72	Loc	16.320	
46	Subtotal				367.92	367.92
47	Total Gross & Nett.					766.43

**REVISED ESTIMATE FOR FOR ESTABLISHMENT OF 33/11 KV SS AT KATHANKANNI WITH 1x8 MVA
POWER TRANSFORMER IN PALLADAM EDC**

Part I: Cost of new asset

SL.NO	DESCRIPTION	QTY	RATE	PER	Rs. In Lakhs	
					AMOUNT	TOTAL
I	CIVIL WORKS					
1	Land Cost (actuals)				6.910	
2	Civil works such as construction of control room with lighting, cable duct, road, fencing & gate, culvert, yard filling, retaining wall, borewell & water works, watering arrangement for earth pits, power transformer plinth, provision for sand drums & sand, supply of furnitures, T & P etc. (inclusive of contingencies, labour, administrative expenses, all statutory levies etc.)			LS	175.000	
3	Total				181.910	181.91
II	Electrical Works					
1	33 kV AB Switch	3 Nos	0.466	E	1.398	
2	33 kV SF6/VCB Breaker	1 No	2.930	E	2.930	
3	33 kV CTs	3 Nos	0.308	E	0.924	
4	33 kV PTs	3 Nos	0.336	E	1.008	
5	33 kV LAS stn. Type	3 Nos	0.038	E	0.114	
6	11 kV Breaker (1 LV+ 3 fdrs)	4 Nos	1.626	E	6.504	
7	11 kV CTS	12 Nos	0.250	E	3.000	
8	11 kV AB Switch	8 Nos	0.236	E	1.888	
9	11 kV Bus PT	3 Nos	0.511	S	1.533	
10	11 kV LAS stn. Type	3 Nos	0.018	E	0.054	
11	11 kV LAS distn. Type	9 Nos	0.008	E	0.072	
12	Earthing painting and Yard lighting			LS	10.000	
13	Control cable			LS	10.000	
14	110 V Battery with 2 charger	1 set	8.707	set	8.707	
15	100 kVA, 11 kV/433 V Stn. Tr.	1 No	4.737	set	4.737	
16	Fire fighting equipments				3.000	
17	P&T Phone				0.100	
18	Scientific instruments				5.000	
19	C&R panel			LS	15.000	
20	DC panel	1 No	0.98	E	0.980	
21	AC panel	1 No	1.028	E	1.028	
22	110 V DC Annunciator Panel	1 No	1.145	E	1.145	
23	Sub Total				79.122	
24	Contingencies @ 1%				0.791	
25	Total for materials				79.913	
26	Labour and Transport charges @ 15%				11.987	
27	GST on labour & transport @ 18%				2.158	
28	Total for material and labour				94.058	
29	8 MVA, 33/11 kV Pr. Tr. with OLTC	1 No	88.374	E	88.374	
30	Labour and transport including GST	1 Loc	8.000	Loc	8.000	
31	Earthing	1 Loc	0.500	Loc	0.500	
32	Subtotal				190.932	
33	Estt & Sup. Charges 15%				28.640	
34	Subtotal				219.572	219.57
35	Plinth for breakers	5 Nos.	2.500	E	12.500	
36	33 kV Structure	1 set	38.090	set	38.090	
37	11 kV Structure	1 set	33.791	set	33.791	
38	11 kV Link line with 7/4.09 ACSR	3.786 kms.	8.000	km	30.288	
39	11 kV, 3x300 Sq. mm. UG cable	0.16 kms.	53.11	km	8.498	
39	11 kV Double circuit link line with 7/4.09 ACSR on RSJ pole	2.541 kms.	20.89	km	53.081	
40	11 kV capacitor bank 2.4 MVAR	1 Set	27.008	set	27.008	
41	Laying of 33 kV, 1x630 Sq.mm. UG cable	0.292 kms.	90.73	Loc	26.493	
42	33 kV line with Dog conductor on PSC pole	7.641 kms.	12.000	Loc	91.692	
43	33 kV line with Dog conductor on RSJ pole	5.517 kms.	18.610	Loc	102.671	
44	33 kV DP Structures in 33 kV Source feeder	5 Loc	2.72	Loc	13.600	
45	Subtotal				437.71	437.71
46	Total Gross & Nett.					839.19

