

TAMILNADU POWER DISTRIBUTION CORPORATION LIMITED
ABSTRACT

Electricity – Thanjavur Region – Establishment of 33/11 kV SS – Revised Administrative approval - Accorded.

TECHNICAL BRANCH

(Per). MD TNPDC Proceedings No: 43

Dated: 19.06.2026
Sri Parabhava Varudam
Aani : 5
Thiruvalluvar Aandu 2057

READ: Chairman cum Managing Director's approval dated: 11.06.2026.

PROCEEDINGS:

1. The Tamilnadu Power Distribution Corporation Ltd. hereby approves the revised proposal for the sanctioned 3 Nos. establishment of 33/11 kV SS in various EDCs of Thanjavur Region at a total estimated cost of Rs.2482.24 lakhs Gross & Nett by superseding the approval already accorded for the said substations as detailed below:-

SI No	Name of EDC	Name of the 33 /11 kV substation	Already approved vide BP.No and date
1	Nagapattinam	Vadamattam SS	40/28.03.2025
2	Thanjavur	Vilathur SS	119/05.05.2023
3	Thanjavur	Pathirankottai SS	268/30.12.2022

The detailed estimates and report are annexed to these proceedings.

2. The expenditure is chargeable to TNPDC - Funds - Capital Expenditure - Respective EDCs – 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 Tamil Nadu Electricity Board will exercise the powers of the Telegraph Authority under the provisions of section 164 of the Electricity Act, 2003, which have already been conferred upon the Board under section 51 of the Indian Electricity Act, 1910.

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

// BY ORDER OF THE CMD //

J.PUSHPALATHA
CHIEF ENGINEER / PLANNING & RC

Encl: Report and detailed estimate.

To
The Chief Engineer/ Distribution / Thanjavur Region.

Copy to:

The Director/Distribution/TNPDCL/Chennai-2

The Director/Finance/ TNPDCL / Chennai - 2

The Chief Engineer/ Material Management /Chennai -2

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

The Superintending Engineer/ Thanjavur EDC

The Superintending Engineer/ Nagapattinam EDC

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

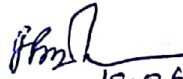
The Company Secretary/TNPDCL/Chennai -2

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

B.P. Section (Administrative Branch)

Stock to file

// FORWARDED BY ORDER //


19.06.26.

EXECUTIVE ENGINEER/MASTER PLAN I

(Per.) MD TNPDC Proceedings No: 43 dt.19.06.2026

REPORT TO ACCOMPANY THE ESTIMATE

This proposal envisages revised proposal for the sanctioned 3 Nos. establishment of 33/11 kV SS in Thanjavur Region at a total estimated cost of Rs.2482.24 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 mean while, 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.SoR 25-26/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.

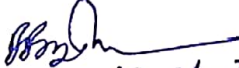
Accordingly, the estimate for the above such schemes have been revised for Thanjavur Region and the details of original sanction and the revised estimated cost in respect of 3 nos. new 33/11 kV SS are as below:

SI 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	Nagapattinam	Vadamattam SS	40/ 28.03.25	726.34	812.90	11.92

SI No	Name of EDC	Name of the 33 /11 kV substation	Sanctioned vide SP.No and date	Sanctioned Amount in Rs. lakhs	Revised estimate cost in Rs. Lakhs	% Increase
2	Thanjavur	Vilathur SS	119/ 05.05.23	742.32	885.24	19.25
3	Thanjavur	Pathirankottai SS	268/ 30.12.22	654.40	784.10	19.82
			Total	2123.06(G)& 2123.06(N)	2482.24(G) & 2482.24(N)	

Due to cost variation of the proposal from the already approved scheme is more than 10%, revised approval is necessary to take up the works.

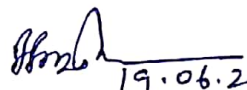
The work involved as per the original sanction remains unaltered.


19.06.26

Executive Engineer/Master Plan 1

ABSTRACT

SL. NO	DESCRIPTION	COST IN LAKHS	
		GROSS	NETT
	Thanjavur Region		
I	Nagapattinam EDC		
1	Establishment of 33/11 kV SS with 2x8 MVA power transformers at Vadamattam in Nagapattinam EDC of Thanjavur Region	812.90	812.90
II	Thanjavur EDC		
1	Establishment of 33/11 kV SS with 2x8 MVA power transformers at Vilathur in Thanjavur EDC of Thanjavur Region	885.24	885.24
2	Establishment of 33/11 kV SS with 2x8 MVA power transformers at Pathirankottai in Thanjavur EDC of Thanjavur Region	784.10	784.10
	Total	2482.24	2482.24


19.06.26
Executive Engineer/Master Plan I

**DETAILED ESTIMATE FOR ESTABLISHMENT OF 33/11 KV SS AT VADAMATTAM WITH 2x8 MVA
POWER TRANSFORMERS IN NAGAPATTINAM EDC**

SL.NO	DESCRIPTION	QTY	RATE	PER	AMOUNT	TOTAL
I	CIVIL WORKS					
1	Land Cost				6.000	
	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					
2	Fire protection wall				180.000	
3	Total civil works				3.000	
					189.000	189.000
II	Electrical Works					
1	33 kV SF6 VCB Breaker (GC)	1 No	2.930	E	2.930	
2	33 kV AB Swtich	5 Nos	0.466	E	2.330	
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 (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				10.000	
13	Control cable				10.000	
14	110 V Battery with 2 chargers	1 set	8.707	set	8.707	
15	Stn. Tr. 100 kVA, 11 kV/433 V	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				17.000	
20	DC panel	1 No	0.98	E	0.980	
21	AC panel	1 No	1.028	E	1.028	
22	110V AC annunciator panel	1 No	1.145	E	1.145	
23	Sub Total				87.592	
24	Contingencies 1%				0.876	
25	Sub total				88.468	
26	Labour and Transport charges @ 15%				13.270	
27	GST on labour & transport @ 18%				2.389	
28	Total for material and labour				104.127	
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				297.875	
33	Estt & Sup. Charges 15%				44.681	
34	Subtotal				342.556	342.56

**DETAILED ESTIMATE FOR ESTABLISHMENT OF 33/11 KV SS AT VADAMATTAM WITH 2.4 MVA
POWER TRANSFORMERS IN NAGAPATTINAM EDC**

35	Plinth for breakers	7 Nos	2.500		17.500	
36	33 kV Structure	1 set	38.090	set	38.090	
37	11 kV Structure	1 set	33.791	set	33.791	
	Erection of 33 KV ACSR with Dog conductor from Palaiyur 110 KV SS to proposed Vadamattam 33/11 KV SS.	8 kms	12.000	kms	96.000	
38						
39	11 KV link lines	8.62 kms	8.000	kms	68.960	
40	11 KV, 2.4 MVAR capacitor bank	1.0 set	27.008	E	27.008	
41	Sub Total				281.35	281.35
42	Total for works Gross & Nett.					812.90

DETAILED ESTIMATE FOR ESTABLISHMENT OF 33/11 kV SS WITH 2x8 MVA, 33/11 kV POWER TRANSFORMERS AT VILATHUR IN THANJAVUR EDC

Part I : New Asset Chargeable to Capital

SL. NO	DESCRIPTION	QTY	RATE	PER	RS. in Lakhs	
					AMOUNT in Lakhs	TOTAL
I	CIVIL WORKS					
1	Land cost				1.000	
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.)					
3	Fire protection wall			LS	180.000	
	Total				3.000	
					184.000	184.000
II	Electrical Works					
1	33 kV AB Switch	4 Nos	0.466	E	1.864	
2	33 kV SF6 Breaker	1 No	2.930	E	2.930	
3	33 kV CTs	3 Nos	0.308	E	0.924	
4	33 kV PT	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	E	1.533	
10	11 kV LAS stn. Type	6 Nos	0.018	E	0.108	
11	11 kV LAS distn. Type	10 Nos	0.008	E	0.080	
12	Earthing painting and Yard lighting			LS	10.000	
13	Control cable			LS	10.000	
14	110 V, 120 AH Battery with 2 chargers	1 set	8.707	set	8.707	
15	100 kVA, 11 kV/433 V Stn. Tr.	1 No	4.737	set	4.737	
16	DC panel	1 No	0.980	E	0.980	
17	AC panel	1 No	1.028	E	1.028	
18	110 V DC Annunciator Panel	1 No	1.145	E	1.145	
19	C&R panel				17.000	
20	Fire Fighting equipments				3.000	
21	P&T Phone	1 No	0.100	E	0.100	
22	Scientific Instruments			LS	5.000	
23	Sub Total				87.224	
24	Contingencies @ 1%				0.872	
25	Total for materials				88.096	
26	Labour and Transport charges @ 15%				13.214	
27	GST on labour & transport @ 18%				2.379	
28	Total for material and labour				103.689	
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				297.437	

SL. NO	DESCRIPTION	QTY	RATE	PER	AMOUNT in Lakhs	TOTAL
33	Estt & Sup. Charges 15%				44.616	
34	Sub Total				342.053	342.053
35	Plinth for breakers	7 Nos	2.5		17.500	
36	33 kV Structure	1 set	38.09	set	38.090	
37	11 kV Structure	1 set	33.791	set	33.791	
	33 kV line with ACSR dog conductor from Kovilvenni 110 KV SS to the proposed Vilathur 33/11 KV SS	15.48 kms	12	km	185.760	
38	Erection of 11 kV Link lines with 7/4.09 ACSR	7.1 km	8	Km	57.040	
39						
40	11 KV, 2.4 MVAR capacitor bank	1.0 set	27.008	E	27.008	
41	Sub Total				359.189	359.189
42	Total works Gross & Nett					885.24

DETAILED ESTIMATE FOR ESTABLISHMENT OF 33/11 kV SS WITH 2x8 MVA, 33/11 kV POWER TRANSFORMERS AT PATHIRANKOTTAI IN TANJORE EDC

Part I : New Asset Chargeable to Capital

RS. in Lakhs

SL. NO	DESCRIPTION	QTY	RATE	PER	AMOUNT in Lakhs	TOTAL
I	CIVIL WORKS					
1	Land cost				1.000	
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.)					
3	Fire protection wall			LS	180.000	
	Total				3.000	
					184.000	184.000
II	Electrical Works					
1	33 kV AB Switch	4 Nos	0.466	E	1.864	
2	33 kV SF6 Breaker	1 No	2.930	E	2.930	
3	33 kV CTs	3 Nos	0.308	E	0.924	
4	33 kV PT	3 Nos	0.336	E	1.008	
5	33 kV LAS stn. Type	3 Nos	0.038	E	0.114	
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	E	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, 120 AH Battery with 2 chargers	1 set	8.707	set	8.707	
15	100 kVA, 11 kV/433 V Stn. Tr.	1 No	4.737	set	4.737	
16	DC panel	1 No	0.980	E	0.980	
17	AC panel	1 No	1.028	E	1.028	
18	110 V DC Annunciator Panel	1 No	1.145	E	1.145	
19	C&R panel				17.000	
20	Fire Fighting equipments		3.000	E	3.000	
21	P&T Phone	1 No	0.100	E	0.100	
22	Scientific Instruments				5.000	
23	Sub Total				87.126	
24	Contingencies @ 1%				0.871	
25	Total for materials				87.997	
26	Labour and Transport charges @ 15%				13.200	
27	GST on labour & transport @ 18%				2.376	
28	Total for material and labour				103.573	
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	

SL. NO	DESCRIPTION	QTY	RATE	PER	AMOUNT in Lakhs	TOTAL
31	Earthing	2 Loc	0.500	Loc	1.000	
32	Sub total				297.321	
33	Estt & Sup. Charges 15%				44.598	
34	Sub Total				341.919	341.919
35	Plinth for breaker	7 Nos	2.5		17.500	
36	33 kV Structure	1 set	38.09	set	38.090	
37	11 kV Structure	1 set	33.791	set	33.791	
38	Erection of 33 kV link lines with dog conductor from Uranipuram 110 KV SS to Pathirankottai 33/11 KV SS	10.0 km	12	km	120.000	
39	Erection of 11 kV Link lines with 7/4.09 ACSR	6.1 km	8	Km	48.800	
40	Sub Total				258.181	258.181
41	Total Gross & Nett				784.10	784.10