

TAMILNADU POWER DISTRIBUTION CORPORATION LIMITED
ABSTRACT

Electricity – Thanjavur Region – Thanjavur EDC - Establishment of 33/11 kV SS with 2x8 MVA power transformers at Vilangudi (Peramur) – Revised Administrative approval - Accorded.

TECHNICAL BRANCH

(Per). MD TNPDCCL Proceedings No: 42

Dated: 18.06.2026

Parabhava Varudam

Aani: 04

Thiruvalluvar Aandu 2057

READ: Chairman cum Managing Director's approval dated: 12.06.2026.

PROCEEDINGS:

1. The Tamilnadu Power Distribution Corporation Ltd. hereby approves the revised proposal for establishment of 33/11 kV SS with 2x8 MVA power transformers at Vilangudi (Peramur) in Thanjavur EDC of Thanjavur Region at an estimated cost of Rs.1005.44 lakhs Gross and Nett subject to the condition of commissioning of enhancement of 110/33 KV power transformer from 1x16 MVA to 2x16 MVA at Ayyampettai 110 KV SS by superseding the approval already accorded for the above works vide (Per). MD TNPDCCL Proceedings No:52 dated:16.04.2025. The detailed estimates and report are annexed to these proceedings.
2. The expenditure is chargeable to "TNPDCCL - Funds - Capital Expenditure - Thanjavur EDC – 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 TNPDCCL 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.

(Per.) MD TNPDCI Proceedings No: 42 dt.18.06.2026

To
The Chief Engineer/ Distribution / Thanjavur Region.

Copy to:

The Director/Distribution/TNPDCI/Chennai-2

The Director/Finance/ TNPDCI / 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 / RE & I(D) / Chennai -2

The Company Secretary/TNPDCI/Chennai -2

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

B.P. Section (Administrative Branch)

Stock to file

FORWARDED BY ORDER



18-06-2026

EXECUTIVE ENGINEER/MASTER PLAN I

(Per.) MD TNPDC Proceedings No: 42 dt.18.06.2026

REPORT TO ACCOMPANY THE ESTIMATE

This proposal envisages revised proposal for establishment of 33/11 KV SS with 2x8 MVA power transformers at Vilangudi (Peramur) in Thanjavur EDC of Thanjavur Region at an estimated cost of Rs.1005.44 lakhs Gross and Nett subject to the condition of commissioning of enhancement of 110/33 KV power transformer from 1x16 MVA to 2x16 MVA at Ayyampettai 110 KV SS by superseding the approval already accorded for the above works vide (Per). MD TNPDC Proceedings No: 52 dated: 16.04.2025.

Need:

Administrative approval has already been accorded for establishment of 33/11 KV SS with 2x8 MVA power transformers at Vilangudi (Peramur) in Thanjavur EDC of Thanjavur Region at an estimated cost of Rs. 769.33 lakhs Gross and Nett vide (Per). MD TNPDC Proceedings No: 52 dated: 16.04.2025 and the works are to be taken up.

In this connection, the Chief Engineer/ Distribution/ Thanjavur Region has requested revised administrative approval for the above for the following reasons:

- i. It has been proposed to extend 33 KV supply for the already sanctioned Vilangudi (Peramur) 33/11 KV SS from Ayyampettai 110/33-11 KV SS through a newly proposed 33 KV Ayyampettai –Vilangudi (Peramur) feeder.
- ii. The route alignment of the proposed 33 KV source feeder between Vilangudi and Ayyampettai 110 KV SS involves several highway crossings and a Cauvery river crossing.
- iii. Due to the above constraints, additional works have become necessary, such as:
 - Erection of mini towers at the Cauvery river crossing,
 - Erection of 42-feet RSJ poles at highway crossings, road crossings, and locations requiring higher vertical clearances,
 - Erection of AB switch structures, and
 - Provision of guarding arrangements and other allied works.

Under the above circumstances, the cost already sanctioned for erection of the 33 kv source feeder has been found to be inadequate to meet the actual site requirements.

Hence, the estimate has been revised accordingly for the proposal for establishment of 33/11 kV SS with 2x8 MVA power transformers at Vilangudi (Peramur).

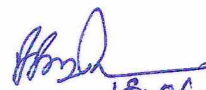
The details of original sanction, its cost and details of revised estimate and its cost are given below:

Sl. No.	Description	Cost in Lakhs	Remarks
1	Establishment of 33/11 kV SS with 2x8 MVA power transformers at Vilangudi (Peramur)	Rs. 769.33 lakhs Gross and Nett	Approved vide (Per). MD TNPDC Proceedings No: 52 dated: 16.04.2025
2.	Establishment of 33/11 kV SS with 2x8 MVA power transformers at Vilangudi (Peramur)	Rs.1005.44 lakhs Gross and Nett	Revised estimate submitted for approval.
3.	Increase in cost	Rs.236.11 Lakhs	Due to revision of the estimate based on present cost data 2025-26 and deviation in works.
4.	Difference in percentage (more)	30.69 %	

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

Details of work:

- Establishment of 33/11 kV SS at Vilangudi (Peramur) with 2x8 MVA, 33/11 kV power transformers with associated equipments.
- Erection of 33 kV line with ACSR Dog conductor from Ayyampettai 110 kV SS to the proposed Vilangudi (Peramur) 33/11 kV SS for a distance of 15 Kms including erection of mini tower at Cauvery river crossing, erection of 42 feet RSJ poles at required location for Highway, other road crossing and other location required more vertical clearances, erection of AB switch structure and provision of Guarding arrangements etc.,


18.06.2026

Executive Engineer/Master Plan 1

DETAILED ESTIMATE FOR ESTABLISHMENT OF 33/11 kV SS WITH 2x8 MVA, 33/11 kV POWER TRANSFORMERS AT VILANGUDI (PERAMUR) IN THANJAVUR 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				0.205	
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.,)				180.000	
3	Fire protection wall				3.000	
	Sub total				183.205	183.21
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	12 Nos	0.008	E	0.096	
12	Earthing painting and Yard lighting				10.000	
13	Control cable				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				87.240	
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	

SL. NO	DESCRIPTION	QTY	RATE	PER	AMOUNT in Lakhs	TOTAL
28	Total for material and labour				103.708	
29	8 MVA, 33/11 kV Pr. Tr. with OLTC	2 Nos	83.374	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	Sub Total				342.075	342.07
35	Plinth for breakers	7 Nos	2.500	E	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	33 kV line with dog conductor from Ayyampettai 110 kV SS to the proposed Vilangudi (Peramur) 33/11 KV SS including mini tower, 42 feet RSJ pole, AB switch structure etc.,	15.0 km	19.985	km	299.775	
39	Erection of 11 kV Link lines with 7/4.09 ACSR	8.0 kms	8	Km	64.000	
40	11 KV, 2.4 MVAR capacitor bank	1.0 set	27.008	E	27.008	
41	Sub Total				480.164	480.16
42	Total Gross & Nett					1005.44


 18.06.2026
 Executive Engineer/Master Plan I