

TAMILNADU POWER DISTRIBUTION CORPORATION LIMITED
ABSTRACT

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

TECHNICAL BRANCH

(Per). MD TNPDCCL Proceedings No: 66

Dated: 06.08.2026

Sri Parabhava Varudam

Aadi :21

Thiruvalluvar Aandu 2057

READ: Chairman cum Managing Director's approval dated: 01.08.2026.

PROCEEDINGS:

1. The Tamilnadu Power Distribution Corporation Ltd. hereby approves the revised proposal for establishment of 33/11 kV SS at Kidaikkaranpalayam with 2x8 MVA power transformers in Karur EDC of Karur Region at an estimated cost of Rs.977.53 lakh Gross and Nett subject to the condition of commissioning of 25 MVA, 110/33 kV power transformer at Thennilai 110/11 kV SS by superseding the approval already accorded for the above works vide (Per).MD TNPDCCL Proceedings No.09, dt:05.02.2026. The detailed estimate and report are annexed to these proceedings.
2. The expenditure is chargeable to TNPDCCL - Funds - Capital Expenditure - Karur EDC - A/C code No. 10 20 300.
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 Tamilnadu 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 //

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

Encl: Report and detailed estimate.

To

The Chief Engineer/ Distribution / Karur 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/ Transmission /Chennai -2

The Superintending Engineer/Transmission 1

The Superintending Engineer/Karur EDC

The Superintending Engineer/GCC/Trichy

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//


06.08-2026

Executive Engineer/Master Plan I

REPORT TO ACCOMPANY THE ESTIMATE

This revised proposal envisages establishment of Kidaikaranpalayam 33/11 kV SS with 2x8 MVA in Karur EDC of Karur Region at an estimated cost of Rs.977.53 lakh Gross and Nett subject to the condition of commissioning of 25 MVA, 110/33 kV power transformer at Thennilai 110/11 kV SS by superseding the approval already accorded for the above works vide (Per).MD TNPDC Proceedings No.09, dt:05.02.2026

Need:

Administrative approval has already been accorded for establishment of 33/11 kV SS at Kidaikaranpalayam with 2x8 MVA power transformers in Karur EDC of Karur Region at an estimated cost of Rs.845.60 lakhs Gross and Nett. vide (Per). MD TNPDC Proceedings No.09, dt.05.02.2026 and the works are to be taken up.

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

- i. In the original sanction, provision towards erection of 33 kV line with Dog conductor on 9 mtrs. PSC pole as per standard and 33 kV line with covered conductor on RSJ pole at Thennillai 110 kV SS end has been made.
- ii. However, as the proposed 33 kV Source line is to be erected along the Karur – Coimbatore National Highway, to maintain adequate clearance, 33 kV line with RSJ pole is proposed to be provided.
- iii. Further, as many number of Solar feeders, wind feeders and distribution feeders & its LT network are running along the narrow Panchayat road in the route through which the 33 kV Source feeder is proposed to be erected.
- iv. Hence, it is proposed to erect 33 kV line with Dog conductor on RSJ pole for the narrow road stretch and along the National Highway.
- v. Further, 33 kV line with covered conductor on RSJ pole is proposed to be erected at Thennillai 110 kV SS end as per the original sanction.
- vi. In addition, due to way leave problem and to have adequate clearance along the National Highway, 11 kV Double circuit line on RSJ pole for a distance of 1 km. has been proposed to be erected at proposed SS end.

Under the above circumstances, the cost already sanctioned for erection of the 33 kV & 11 kV link lines are 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 at Kidaikkaranpalayam with 2x8 MVA power transformers.

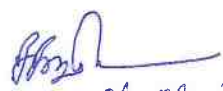
The details of original sanction, its cost and details of revised estimate and its cost are given below:

Sl. No.	Description	Cost in Lakhs	Remarks
1	Establishment of 33/11 kV SS at Kidaikkaranpalayam with 2x8 MVA power transformers.	Rs. 845.90 lakhs Gross and Nett	Approved vide (Per). MD TNPDCCL Proceedings No.09, dt. 05.02.2026.
2.	Establishment of 33/11 kV SS at Kidaikkaranpalayam with 2x8 MVA power transformers.	Rs.977.53 lakhs Gross and Nett	Revised estimate submitted for approval.
3.	Increase in cost	Rs.131.63 Lakhs	Due to revision of the estimate based on present cost data 2025-26 and deviation in works.
4.	Difference in percentage (more)	15.56%	

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

Details of work:

- Establishment of 33/11 kV SS at Kidaikkaranpalayam with 2x8 MVA, 33/11 kV power transformers with associated equipments.
- Erection of 33 kV line with 120 Sq. mm. covered conductor on RSJ pole for a distance of 1.08 kms.
- Erection of 33 kV line with Dog conductor on RSJ pole for a distance of 8.91 kms.


 06.08.2026
 Executive Engineer/Master Plan 1

DETAILED ESTIMATE FOR ESTABLISHMENT OF 33/11 KV SS AT KIDAIKKARANPALAYAM WITH 2x8 MVA POWER TRANSFORMERS IN KARUR 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				24.00	
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	180.00	
3	Construction of fire protection wall			LS	3.00	
4	Sub total				207.00	207.00
II	Electrical Works					
1	33 kV AB Swtich	5 Nos	0.466	E	2.330	
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				8.000	
13	Control cable				7.000	
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	0.98	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			LS	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				82.706	
24	Contingencies @ 1%				0.827	
25	Total for materials				83.533	
26	Labour and Transport charges @ 15%				12.530	
27	GST on labour & transport @ 18%				2.255	
28	Total for material and labour				98.318	
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				292.066	
33	Estt & Sup. Charges 15%				43.810	
34	Subtotal				335.876	335.88
35	Plinth of 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	

DETAILED ESTIMATE FOR ESTABLISHMENT OF 33/11 kV SS AT KIDAIKKARANPALAYAM WITH 2x8 MVA POWER TRANSFORMERS IN KARUR EDC

Part I : New Asset Chargeable to Capital

RS. in Lakhs

SL. NO	DESCRIPTION	QTY	RATE	PER	AMOUNT in Lakhs	TOTAL
38	Erection of 33 kV line with Dog conductor on 42' RSJ Pole	8.91 kms	20.10	km	179.091	
39	Erection of 33 kV line with 120 Sqmm Covered Conductor	1.08 kms	51.30	km	55.404	
40	11 kV Double circuit link line with 7/4.09 ACSR conductor on RSJ pole	1 km.	20.890	km	20.890	
41	Erection of 11 kV Link lines with 7/4.09 ACSR conductor	6.5 kms	8.00	km	52.000	
42	33 kV DP Structures in 33 kV Source feeder	4 Loc	2.72	Loc	10.880	
43	11 kV, 2.4 MVAR capacitor bank	1.0 set	27.008	E	27.008	
44	Sub Total				434.654	434.65
45	Total Gross & Nett					977.53


 06.08.2024
Exe. Engineer/Master Plan I