

TAMILNADU POWER DISTRIBUTION CORPORATION LIMITED
ABSTRACT

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

TECHNICAL BRANCH

(Per). MD TNPDC Proceedings No:74

Dated: 02.09.2026
Sri Parabhava Varudam
Aavani : 16
Thiruvalluvar Aandu 2057

READ: Chairman cum Managing Director's approval dated: 29.08.2026.

PROCEEDINGS:

1. The Tamilnadu Power Distribution Corporation Ltd. hereby approves the revised proposal for the sanctioned 2 Nos. establishment of 33/11 kV SS in Karur EDC of Karur Region at a total estimated cost of Rs.1237.10 Lakhs Gross & Rs.1226.52 Lakhs Nett. by superseding the approval already accorded for the said substations as detailed below:-

SI No	Name of the 33 /11 kV substation	Already approved vide BP.No and date
1	Kadavur	21/14.03.2025
2	Vallam	21/14.03.2025

The detailed estimates and report are annexed to these proceedings.

2. The expenditure is chargeable to TNPDC - Funds - Capital Expenditure – Karur EDC – 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 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 TNPDC Proceedings No: 74 dt. 02.09.2026

To

The Chief Engineer/ Distribution / Karur 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/ Karur 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//


03.09.2026

Executive Engineer/Master Plan I

REPORT TO ACCOMPANY THE ESTIMATE

This proposal envisages revised proposal for the sanctioned 2 Nos. establishment of 33/11 kV SS in Karur EDC of Karur Region at a total estimated cost of Rs.1237.10 Lakhs Gross & Rs.1226.52 Lakhs 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, TNPdCL'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 Karur EDC and the details of original sanction and the revised estimated cost in respect of 2 nos. new 33/11 kV SS are as below:

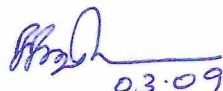
Sl No	Name of the 33/11 kV substation	Sanctioned vide BP.No and date	Sanctioned Amount in Rs. lakhs	Revised estimate cost in Rs. Lakhs	% Increase
1	Kadavur	21/14.03.25	759.46	826.41	8.82
2	Vallam	21/14.03.25	354.68(G) & 344.11(N)	410.69(G) & 400.11(N)	15.79
		Total	1114.14(G) & 1103.57 (N)	1237.10(G) & 1226.52(N)	

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

The work involved as per the original sanction remains unaltered.


03.09.2026
Executive Engineer/Master Plan I

ABSTRACT - KARUR REGION			
SL. NO	DESCRIPTION	COST IN LAKHS	
		GROSS	NETT
	Karur EDC		
1	Establishment of Kadavur 33/11 kV SS with 1x8 MVA power transformer	826.41	826.41
2	Conversion of Vallam 33/11 kV unmanned SS into Regular SS by enhancement of existing 33/11kV power transformer capacity from 1x5MVA to 1x8MVA	410.69	400.11
	Total	1237.10	1226.52


 03.09.2026
 Executive Engineer/Master Plan-I

DETAILED ESTIMATE FOR ESTABLISHMENT OF 33/11 kV SS WITH 1x8 MVA, POWER TRANSFORMER AT KADAVUR 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				2.025	
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, administative expenses, all statutory levies etc.,)				175.000	
3	Sub total				177.025	177.03
II	Electrical Works					
1	33 kV AB Swtich	3 Nos	0.466	E	1.398	
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 (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	E	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				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	0.98	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	15.000	
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				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	Establishment & Supervision Charges 15%				29.152	
34	Subtotal				223.498	223.50
35	Plinth of breakers	6 Nos	2.500		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	Erection of 33 kV line with Dog conductor from the existing Chinthamanipatty 110/33/11 kV SS to the proposed Kadavur 33 kV SS	19.0 kms	12.00	km	228.000	
39	Tapping of the above 33 kV link line with Dog Conductor to Palaviduthy 33 kV SS	2.0 kms	12.00	km	24.000	
40	Erection of 11 kV Link lines with 7/4.09 ACSR	7.5 kms	8.00	km	60.000	
41	11 KV, 2.4 MVAR capacitor bank	1.0 set	27.008	E	27.008	
42	Sub Total				425.889	425.89
43	Total Gross & Nett					826.41

Revised estimate for enhancement of power transformer capacity from 1x5 MVA to 1x8 MVA and conversion of unmanned to regular SS at Vallam 33/11 kV SS in Karur EDC

Part I : New Asset Chargeable to Capital

Rs.in Lakhs

Sl.No	Description	Qty	Rate	Per	Amount	Total
I	Civil works					
1	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	175.00
II	Electrical works					
1	11 KV VCB (LV)	1 No	1.626	E	1.626	
2	11 KV CT	3 Nos	0.25	E	0.75	
3	11 KV AB switch	1 No	0.236	E	0.236	
4	11 KV LAS (Station type)	3 Nos	0.018	E	0.054	
5	Earthing,Painting and yard lighting				10.00	
6	Control cable				10.00	
7	110 V battery with 2 chargers	1 Set	8.707		8.707	
8	Fire fighting equipments				3.000	
9	C&R panel				15.000	
10	Scientific instruments				5.000	
11	T&P materials & Furnitures				4.000	
12	P & T Phone				0.100	
13	AC Panel	1 No	1.028	E	1.028	
14	DC Panel	1 No	0.98	E	0.980	
15	110 V Annunciator panel	1 No	1.145	E	1.145	
16	Sub Total				61.626	
17	Contingencies @ 1%				0.616	
18	Total for materials				62.242	
19	Labour & transport @ 15%				9.336	
20	GST on labour and transport @ 18%				1.681	
21	Total for material and labour				73.259	
22	8 MVA, 33/11 kV Pr. Tr. with OLTC	1 No.	88.374		88.374	
23	Labour and transport including GST	1 No.	8.000		8.000	
24	Earthing	1 No.	0.500		0.500	
25	Sub Total				170.133	
26	Estt & Sup. Charges 15%				25.520	
27	Sub Total				195.653	
28	Plinth for breaker	1 No	2.50		2.500	

29	11 kV capacitor bank 2.4 MVAR	1 Set	27.008	set	27.008	
30	33 kV and 11 KV Bus modifications				10.000	
31	Add Dismantling Charges				0.529	
32	Sub total				235.690	235.69
33	Gross					410.69
34	Less Credit					10.58
35	Nett					400.11

Part I (a) : Dismantling Charges

1 Dismantling Charges

0.529 lakhs

Part II: Accumulated Depreciation Charges

SL. No.	DESCRIPTION	Original cost	Full Life Period	Useful Life Period	Accum. depre.
1	5 MVA, 33 / 11 kV Pr.Tr	10.30	25	20	7.42
2	30 V battery system with charger	0.276	5	6	0.25
	Total				7.66

Part III : Devolution of old equipment to store

Part III : Part IV - Part II =

10.58

-

7.66

=

2.91 lakhs

Part IV : Removal of old assets Charges

Sl.No	Description	Qty	Rate	Original erection charges	Centages	Total
1	5 MVA, 33/11 kV Pr.Tr	1 No.	8.143	0.8143	1.344	10.301
2	30 V battery system with charger **	1 set	0.218	0.0218	0.036	0.276
	Total					10.58

* Rate as per cost data 2006-07 has been adopted

** Rate as per cost data 2012-13 has been adopted

ABSTRACT

Part I : New Asset Chargeable to Capital

Rs in Lakhs
410.69 Gross
400.11 Nett

Part I (a) : Dismantling Charges

0.53

Part II : Accumulated Depreciation Charges

7.66

Part III : Devolution of old equipment to store

2.91

Part IV : Removal of old assets Charges

10.58