



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

D.No :LR.NO.CE(C)/SE(C)/DE-II/ADE-I/D.NO.493/26,DT: 06.07.2026

2 BHK Dundigal Phase - II 864 Nos.

Revised estimate for extension of supply to 1-ph each 1KW 864 Nos Domestic services, 8 Nos each 16KW [Cat-I b(ii)] for common services, 64 Nos each 1 Kw (Cat-II) for shops, 4nos each 8 HP (Cat-VI-B) for bore motors, 1 No. 6KW (Cat-VIA) for street lights thus making a total load of 1086KW at 2BHK houses in S+S+9 pattern for providing External Electrification arrangements to the 2 BHK housing colonies, at Sy No.453/5 & 453/6 in Dundigal (Vg) in Bachpally (M) of Quthbullapur Constituency of GHMC in Operation DP Pally Section, Shapurnagar Sub-Division in Jeedimetla Division of Medchal Circle under 2 BHK Scheme works.

Report to Accompany the estimate:

1.General: Revised estimate for extension of supply to 1-ph each 1KW 864 Nos Domestic services, 8 Nos each 16KW [Cat-I b(ii)] for common services, 64 Nos each 1 Kw (Cat-II) for shops, 4nos each 8 HP (Cat-VI-B) for bore motors, 1 No. 6KW (Cat-VIA) for street lights thus making a total load of 1086KW at 2BHK houses in S+S+9 pattern for providing External Electrification arrangements to the 2 BHK housing colonies, at Sy No.453/5 & 453/6 in Dundigal (Vg) in Bachpally (M) of Quthbullapur Constituency of GHMC in Operation DP Pally Section, Shapurnagar Sub-Division in Jeedimetla Division of Medchal Circle under 2 BHK Scheme works.

2. Main Features: The Proposal envisages the following.

- Erection of 11KV Line with 3x185+70sqmm AB Cable on 9.1 Mt PSCC Poles for a distance of 0.5 Km.
- Erection of 1 No 11 KV VCBs with 1 No Bay extention at 33/11 KV Dundigal SS
- Erection of 8 Nos 160 KVA DTRs with necessary switch gear.
- Stringing of LT 3 x 70+25 Sq.mm AB cable for a distance of 1080 mts for street lighting purpose.
- Laying of LT 31/2 X185Sqmm XLPE UG Cable for a distance of 2.5 KM From Dtr to panel Boards (Double run).
- Laying of LT 1 Core 120 Sqmm XLPE Cable for a distance of 500 mtrs to DTR to Distribution Boxes.
- S&F of 1Ph & 3Ph Metering Panels(14 Guage), S&F of 1Ph & 3Ph MCBs, Fixing of 1Ph & 3Ph meters, S&F of all accessories incomplete shape, excluding of control panel- 928No.s

3.Point of Supply:- The 1 No 11 Kv Feeder Proposed for Dundigal Phase - II 2 BHK Houses From Existing 33/11 KV Dundigal Ss by erection of 1 No 11 KV VCB breaker for External electrification of 2BHK houses. The existing PTR Capacity is 1x8.0 MVA which is enough to cater the Proposed Loads.

4.Now Justification for revision

The estimate is revised as per the revised load requirement furnished by the Managing Director/TGHCL vide Lr.No.932935/CURE area/2BHK/TGSPDCL/2026,04.06.2026. They have reduced the load from 1294KW to 1086 KW as detailed below.

i)Total 8 Housing blocks of Silt+Stilt+9 floors pattern, each Housing block consists 108 houses with 1KW load and 2Nos.lifts & common lighting 10KW, 8Nos.shops per block of each 1KW and hence the total load per



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

Estimate Number : F-2026-07-05-01-03-001

block is about 126KW

ii)Considering the above load, 3Phase 160KVA DTRs 8Nos.(1DTR per each block)may be provided and the additional 9Nos.100KVA DTRs provided in the estimates may be deleted for Housing blocks.

iii)For water supply pump sets load an additional DTR of 100KVA may be considered, if required.

iv)The STP load considered 40KW cat-I(B) may be deleted as the STP works are not required for this 2BHK required for this 2BHK location.

v) Laying of LT 3 1/2x185Sqmm XLPE UG cable for a distance of 4.50KM from DTR to panel boards(double run) is too high and the same may be revised as per actual site conditions and the DTR location proposed.

vi) laying of LT 1 core 120Sqmm.XIPE cable for a distance of 2000Mtrs. From DTR to distribution boxes may be reduced as per site conditions.

Taking into account of all above parameters and as per the field condition the estimate is revised and submitted for sanction.

4.JUSTIFICATION: The estimate is prepared as per the request of The Executive Engineer, Housing Project Division II, GHMC vide Lr No.14/EE (HP II)/ Dundigal-II/TGHCL/2026, Dt.08-04-2026 to arrange for providing External Electrification arrangements to the 2 BHK housing colonies accordingly the Estimate for extension of supply to 1-ph each 1KW 864 Nos Domestic services, 8 Nos each 16KW [Cat-I b(ii)] for common services, 64 Nos each 1 Kw (Cat-II) for shops, 4nos each 8 HP (Cat-VI-B) for bore motors, 1 No. 6KW (Cat-VIA) for street lights thus making a total load of 1086KW at 2BHK houses in S+S+9 pattern for providing External Electrification arrangements to the 2 BHK housing colonies, at Sy No.453/5 & 453/6 in Dundigal (Vg) in Bachpally (M) of Quthbullapur Constituency of GHMC in Operation DP Pally Section, Shapurnagar Sub-Division in Jeedimetla Division of Medchal Circle under 2 BHK Scheme worksHence the estimate is prepared.

5. Cost of the estimate: The total cost of the estimate is as per the detailed estimate enclosed.

6. List of materials: The list of materials is as per the detailed estimate.

- a) S&I-DTR Fence with Mesh 200x100mm FRP Prf - 2000sqft.
- b) Erect-Control Panel - 32
- c) S-Control Panel-Busbar, MCCB incl. Wiring - 32
- d) Supply of PVC cleats - 40
- e) S-90W LED fixture set - 60
- f) Fixing of LED/Metal halide complete. - 60
- g) S-CI Pipe earthing 80mm dia 2.75m long - ,32
- h) Civil Portion



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

Estimate Number : F-2026-07-05-01-03-001

Division : SE/OP/GHYD WEST	Section : AE/Const./Jeedimetla
Project Type : SC-Extension of Supply (LT)	Cost Center : 107001306
Estimate No. : F-2026-07-05-01-03-001	Estimate Description : 2 BHK Dundigal Phase - II 864 Nos.
Network No. : 520000844136	Estimate Created Date : 18.04.2026
Reservation No. : 8002980375	Plant : 1160
User Status : APRD NBGD PNM	System Status : CRTD AVAC
Estimate Approved date : 06.07.2026	Estimate Sanctioned By : CGM_COMML

Work to be executed by : DEPARTMENT

CSC Ren no.	Appl. Name	HT/ LT	Cat. 1	Sub. Cat.1	C.L1	Cat. 2	Sub_ cat.2	C.L2	Bi- Mon.	Doc. Rec.	Ser. Con.	Exst. Load
LTM262040030	EXECUTIVE ENGINEER,	LT	01	000	992.00	02	00	70.00		X		0.00
LTM262040038	EXECUTIVE ENGINEER	LT	06	009	32.00	00	00	0.00		X		0.00

Total Estimate Cost (Gross):											32385450.10
Less Credits :											0.00
Estimate Cost (Net) :											32385450.10
SL.No.	Proposals involves										Total in Rs.
1	10 - 11KV Line Materials										8375911.4834
2	30 - LT LINE &AMENITIES										21156840.5096
3	50 - VCB Materials										2500044.8576
4	70 - Civil Work Addl Items										352653.2542



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

Estimate Number : F-2026-07-05-01-03-001

Activity No : 10

Activity Description : 11KV Line Materials

S.No	Materials Code	Materials Text	Item Catagory	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	PLS00004	PSCC Poles 9.1 Mts 280Kgs	Stock item	36	EA	3,947.30	142,102.80
2	PLS00001	PSCC Poles 8 Mts 140Kgs	Stock item	8	EA	2,023.40	16,187.20
3	HGF10002	11KV HG Fuse Sets with Insulators	Stock item	8	EA	2,395.93	19,167.44
4	ABS10002	11KV 200A TT AB SWITCH WITH INSULATORS	Stock item	8	EA	12,331.00	98,648.00
5	BXS00047	LT Distribution Boxes (SMC)	Stock item	8	EA	9,515.91	76,127.28
6	MTE30026	LT TVR Meters (4 CTs-0.5S)-DLMS protocol	Stock item	8	EA	5,925.17	47,401.36
7	CAH00178	GPRS Modem	Stock item	8	EA	3,823.70	30,589.60
8	MST00013	MS Channel 75x40 mm	Stock item	600.000	KG	64.02	38,412.00
9	MST00002	MS Angle 50x50x6	Stock item	400.000	KG	69.56	27,824.00
10	MST00014	MS Flat 50x6 mm	Stock item	400.000	KG	66.78	26,712.00
11	CBA10006	11KV AB Cable XLPE 3 x 185 + 70 Sq. mm	Stock item	500.000	M	1,338.84	669,420.00
12	TLE10045	Sim Card	Stock item	8	EA	533.00	4,264.00
13	MST00032	RS Joist 175x85mm	Stock item	1,000.000	KG	71.36	71,360.00
14	FBR00017	LT/11KV M.S. Stay Clamps	Stock item	8	SET	170.12	1,360.96
15	INS10005	11KV Guy Insulators (HT)	Stock item	8	EA	61.61	492.88
16	WRS00006	G.I.Stay Wire 7/3.15mm (10SWG)	Stock item	80.000	KG	91.33	7,306.40
17	FBR00013	LT MS Stay Sets without Base Plate	Stock item	8	SET	571.21	4,569.68
18	CBX00004	LT XLPE Cable 1 Core 120 Sq. mm	Stock item	500.000	M	164.14	82,070.00
19	INS10009	11KV Polymer Pin Insulators with GI pins	Stock item	74	EA	207.28	15,338.72
20	CDR00003	AAA Conductor 55 Sq. mm	Stock item	2,400.000	M	61.83	148,392.00
21	FBR00015	LT/11KV Top Cleat with Clamps	Stock item	46	SET	258.42	11,887.32
22	INS10003	11KV Polymer Insulators (C&T)	Stock item	36	EA	224.40	8,078.40
23	DTC30135	3-Ph 160KVA CSP Al Wnd DTR BIS EEL2Str-2	Stock item	8	EA	534,732.94	4,277,863.52
Material Cost							5,825,575.56
S.No	Services Code	Services Text	Item Catagory	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	SWR20102	Erection of 11kv TT type AB switch	-	8	EA	1,922.30	15,378.40
2	SWR10343	ERECTION OF LINES-Erection of 9.1M Pole	-	36	EA	2,400.00	86,400.00
3	SWR10356	Mass concreting of supports incl. cement	-	19.440	M3	6,579.00	127,895.76
4	SWR21844	Column type DTR Plinth Topslab 5'x5'x6"	-	8	EA	27,601.00	220,808.00
5	SWR10357	ERECT. OF LINES-Providing of	-	24	EA	1,234.20	29,620.80



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

Estimate Number : F-2026-07-05-01-03-001

		earthing					
6	SWR10395	Erect. of 11kv HG Fuse set incl earthing	-	8	SET	740.52	5,924.16
7	SWR10320	Fab Back clamps with 50 x 6 mm MS Flat	-	50	EA	16.50	825.00
8	SWR21590	Erection of 8.0Mts PSCC Poles for stuts	-	8	EA	1,500.00	12,000.00
9	SWR10674	Erection of LT distribution box	-	8	EA	1,690.35	13,522.80
10	SMR11483	S-CI Pipe earthing 80mm dia 2.75m long	-	24	EA	2,789.00	66,936.00
11	SMR11488	S-GI Bolts & Nuts, Washers etc.,	-	300.000	KG	117.50	35,250.00
12	SWR10336	Erection of CT meter on LV side of DTRs	-	8	EA	900.00	7,200.00
13	SWR10454	Stringing of AB cbl 11 KV 3x185+70 Sqmm	-	0.500	KM	41,876.10	20,938.05
14	SWR10672	Supply and ere Straight line Asmbly kits	-	30	EA	1,661.00	49,830.00
15	SWR10673	Supply and ere Angle line Asmbly kits	-	16	EA	2,124.00	33,984.00
16	SWR10667	End Termnatn of AB cable 120 to 185 Sqmm	-	12	EA	800.00	9,600.00
17	SWR21850	Errection of 11KV T - Branch kit	-	3	EA	200.00	600.00
18	SWR10105	EXCAVATION OF PIT (2.6" x 2.6" x 5.0')	-	8	EA	650.00	5,200.00
19	SMR11504	S-of 11KV AB cable end kits	-	12	SET	950.00	11,400.00
20	SWR11037	Ex of Hard pit w/o blast 0.76X0.76X1.52M	-	36	EA	793.00	28,548.00
21	SMR11485	S-Earthing GI flat 25x3 mm incl material	-	600.000	KG	105.00	63,000.00
22	SWR10642	Fabricate&Paint- 175x85/150x75mm RS Joist	-	4	EA	512.55	2,050.20
23	SWR11267	Erect-12Meter Box pole	-	2	EA	3,901.37	7,802.74
24	SWR10640	Painting of RS Joist(1C RO, 2C Al.Paint)	-	2	EA	1,132.00	2,264.00
25	SWR21190	Excavate-StayPit .45x.45x1.34mSoil ex Hr	-	8	EA	520.00	4,160.00
26	SWR10353	Assembly and erection of Stay set11kv<	-	8	SET	606.85	4,854.80
27	SWR10359	ERECT. OF LINES-Providing of RCC collar	-	24	EA	386.00	9,264.00
28	SWR10313	Fab V Cross arms with 75 x 40 mm MS Chan	-	38	EA	116.37	4,422.06
29	SWR10296	Cutting Charges for MS angle all sizes	-	150	EA	7.00	1,050.00
30	SWR10134	TRANSPORT OF STEEL 30 TO 50KM	-	2.400	TO	587.52	1,410.05
31	SWR10204	LOADING of R.S. Joists 175 x 85 mm	-	4	EA	76.00	304.00
32	SWR10522	UNLOADING of R.S. Joists 175	-	4	EA	50.00	200.00



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

Estimate Number : F-2026-07-05-01-03-001

		x 85 mm					
33	SWR10206	LOADING of MS Channel,Angles,Flats&Rods	-	1.400	TO	221.00	309.40
34	SWR10524	UNLOADING of MS Channel,Angles,Flats&Rod	-	1.400	TO	185.00	259.00
35	SWR10231	LOADING of 11 KV HG Fuse Sets	-	8	EA	18.00	144.00
36	SWR10549	UNLOADING of 11 KV HG Fuse Sets	-	8	EA	18.00	144.00
37	SWR11132	Load-LT Distribution Box	-	8	EA	18.00	144.00
38	SWR11133	UnLoad-LT Distribution Box	-	8	EA	18.00	144.00
39	SWR10248	LOADING of 3PLTTriv meter with PVC box	-	8	EA	15.00	120.00
40	SWR10566	UNLOADING of 3PLTTriv meter with PVC box	-	8	EA	15.00	120.00
41	SMR12099	Supply- I Hook	-	46	EA	158.00	7,268.00
42	SWR12099	Erection- I Hook	-	46	EA	55.00	2,530.00
43	SWR25555	S&I-DTR Fence with Mesh200x100mm FRP Prf	-	2,000.000	FT2	200.45	400,900.00
44	SWR23098	Fix-GPRS Modem & Sim Card	-	8	EA	300.00	2,400.00
45	SWR10671	Erection of Assemble Kit for 'T' Branche	-	4	EA	1,800.00	7,200.00
46	SWR24971	S&Erect-T-Branch kit	-	4	EA	3,215.00	12,860.00
47	SWR22356	Laying of 1Core XLPE 120Sqmm Cable	-	500.000	M	20.00	10,000.00
48	SWR11863	Transport of Cond Drum,VCBs >30 & <50Km	-	2.400	EA	4,372.74	10,494.58
49	SWR12413	LOADING of 11 KV AB Cable (XLPE) 3 Core	-	2	DR	584.00	1,168.00
50	SWR12431	UNLOADING of 11 KV AB Cable (XLPE) 3 Cor	-	2	DR	438.00	876.00
51	SWR12415	LOADING of LT AB Cable (XLPE) 1 Core	-	1	DR	500.00	500.00
52	SWR12433	UNLOADING of LT AB Cable (XLPE) 1 Core	-	1	DR	260.00	260.00
53	SWR12406	LOADING of 11 KV AB SWCH T.T.200/400 A	-	8	EA	80.00	640.00
54	SWR12425	UNLOADING of 11 KV AB SWCH T.T.200/400 A	-	8	EA	80.00	640.00
55	SMR24769	S-PVC Cleat 185sqmm	-	40	EA	38.00	1,520.00
56	SWR20905	E/r 3ph DTR inclu L&Un-L,T&C on plinth	-	8	EA	1,815.00	14,520.00
57	SWR10365	Stringing of 55sqmm 33/11kv Line 3 Cond	-	0.800	KM	10,400.29	8,320.23
58	SWR10261	Condu. Winding Dog and rabbi	-	2.400	KM	237.00	568.80
59	SWR10579	Condu. Unwinding Dog and rabbi	-	2.400	KM	237.00	568.80
60	SWR10196	LOADING of 160&250kva DTR	-	8	EA	468.00	3,744.00
61	SWR10514	UNLOADING of 160&250kva	-	8	EA	441.00	3,528.00



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

Estimate Number : F-2026-07-05-01-03-001

		DTR					
Service Cost							1,374,533.63
GST 18%							247,416.05
3 % S & H Charges :							171061.41
3 % Contingencies on materials:							174767.27
10 % Estt. & General Charges :							582557.56
Total :							8375911.48



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

Estimate Number : F-2026-07-05-01-03-001

Activity No : 30

Activity Description : LT LINE &AMENITIES

S.No	Materials Code	Materials Text	Item Catagory	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	MTE10024	1ph 5-30A Electronic IRDA port w/o PPBox	Stock item	928	EA	718.54	666,805.12
2	PLS00001	PSCC Poles 8 Mts 140Kgs	Stock item	38	EA	2,023.40	76,889.20
3	FBR00005	LT 1 Ph. 2 Wire Cross Arms	Stock item	40	EA	248.31	9,932.40
4	INS00002	LT Shackles	Stock item	18	EA	39.98	719.64
5	HWR00016	LT Metal parts	Stock item	18	SET	48.07	865.26
6	INS00001	LT Pin Insulators	Stock item	30	EA	40.60	1,218.00
7	HWR00015	LT GI Pins	Stock item	30	EA	41.15	1,234.50
8	CBA00004	LT AB Cable XPLE 3C X 70+16+50 Sq. mm	Stock item	1,080.000	M	377.07	407,235.60
9	MTE30038	3ph 10-40A Electronic IRDA port in PPBox	Stock item	5	EA	1,880.00	9,400.00
10	MTE30030	LT TVR 100/5A PP BOX 4 CTs 0.5S (Cat-C)	Stock item	8	EA	10,362.76	82,902.08
11	SCB10034	ALLUMINIUM LUGS 120 SQ MM	Stock item	200	EA	16.00	3,200.00
12	SCB10039	ALLUMINIUM LUGS 70 SQ MM	Stock item	100	EA	11.29	1,129.00
13	SCB10040	ALLUMINIUM LUGS 95 SQ MM	Stock item	200	EA	15.00	3,000.00
14	SCB10035	ALLUMINIUM LUGS 150 SQ MM	Stock item	150	EA	13.94	2,091.00
15	MST00014	MS Flat 50x6 mm	Stock item	150.000	KG	66.78	10,017.00
16	CBX00015	LT XLPE Cable 3 1/2 Core 185 Sq. mm	Stock item	2,500.000	M	907.96	2,269,900.00
Material Cost							3,546,538.80
S.No	Services Code	Services Text	Item Catagory	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	SWR10765	OD/Idoor end termination LT 3 1/2 x 185	-	16	EA	968.90	15,502.40
2	SMR23100	S&E-1Ph MtringPanel 14g with accessories	-	928	EA	2,000.00	1,856,000.00
3	SMR11485	S-Earthring GI flat 25x3 mm incl material	-	200.000	KG	105.00	21,000.00
4	SWR12009	Raise-DR LT 3.5x185sqmm UG Cb on support	-	200.000	M	160.65	32,130.00
5	SWR11977	Lay-DR LT 3.5x185sqmm UG Cb HG/BC/CC/BT	-	1,050.000	M	531.95	558,547.50
6	SMR23101	S&E-3Ph MtringPanel 14g with accessories	-	5	EA	3,500.00	17,500.00
7	SWR10342	ERECTION OF LINES-Erection of 8M Pole	-	38	EA	1,500.00	57,000.00
8	SWR10666	Stringing of AB cable 3x70 + 1x16 + 1x50	-	1,080.000	KM	9,295.00	10,038,600.00
9	SWR10356	Mass concreting of supports incl. cement	-	16.420	M3	6,579.00	108,027.18
10	SWR11037	Ex of Hard pit w/o blast	-	38	EA	793.00	30,134.00



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

Estimate Number : F-2026-07-05-01-03-001

		0.76X0.76X1.52M					
11	SWR21897	Formation of LTCut point(Ver/ Hor)-1 ckt	-	5	EA	938.00	4,690.00
12	SWR10357	ERECT. OF LINES-Providing of earthing	-	32	EA	1,234.20	39,494.40
13	SMR40003	Hume pipe 4" size	-	500.000	M	80.00	40,000.00
14	SMR11609	S-4" DWC pipe	-	100.000	M	759.00	75,900.00
15	SMR40140	Sup of 31/2x185Sqmm UG O/D end term kits	-	16	EA	550.00	8,800.00
16	SWR10359	ERECT. OF LINES-Providing of RCC collar	-	32	EA	386.00	12,352.00
17	SWR10244	LOADING Single phase Meters 100nos lot	-	10	EA	128.00	1,280.00
18	SWR10245	LOADING of Three Phase Meters 100nos lot	-	1	EA	240.00	240.00
19	SWR11232	Load-11/33KV XLPE UG cable all size	-	2,500.000	M	18.00	45,000.00
20	SWR11233	Unload-11/33KV XLPE UG cable all size	-	2,500.000	M	18.00	45,000.00
21	SWR10562	UNLOADING of Single phase Meters-100 lot	-	10	EA	128.00	1,280.00
22	SWR10563	UNLOADING of Three Phase Meters-100 lot	-	1	EA	240.00	240.00
23	SWR24835	Erect-Control Panel	-	32	EA	1,800.00	57,600.00
24	SMR24835	S-Control Panel-Busbar, MCCB incl.Wiring	-	32	EA	18,000.00	576,000.00
25	SMR11594	S-90W LED fixture set	-	60	EA	8,200.00	492,000.00
26	SWR10956	Fixing of LED/Metal halide complete.	-	60	EA	1,268.00	76,080.00
27	SWR10988	Lay-2nd Cable in Excavated Trench	-	1,050.000	M	204.10	214,305.00
28	SWR11863	Transport of Cond Drum,VCBs >30 & <50Km	-	1	EA	4,372.74	4,372.74
29	SMR40091	Supply of GI pipe of 40 mm dia 2 mtrs	-	32	EA	733.00	23,456.00
30	SWR10336	Erection of CT meter on LV side of DTRs	-	8	EA	900.00	7,200.00
31	SWR12433	UNLOADING of LT AB Cable (XLPE) 1 Core	-	2	DR	260.00	520.00
32	SWR12415	LOADING of LT AB Cable (XLPE) 1 Core	-	2	DR	500.00	1,000.00
33	SWR10320	Fab Back clamps with 50 x 6 mm MS Flat	-	52	EA	16.50	858.00
34	SWR10223	LOADING of CT Metering boxes	-	8	EA	18.00	144.00
35	SWR10541	UNLOADING of CT Metering boxes	-	8	EA	18.00	144.00
Service Cost							14,462,397.22
GST 18%							2,603,231.50
3 % S & H Charges :							83622.95



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

Estimate Number : F-2026-07-05-01-03-001

3 % Contingencies on materials:	106396.16
10 % Estt. & General Charges :	354653.88
Total :	21156840.51



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

Estimate Number : F-2026-07-05-01-03-001

Activity No : 50

Activity Description : VCB Materials

S.No	Materials Code	Materials Text	Item Catagory	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	MST00012	MS Channel 100x50 mm	Stock item	1,000.000	KG	70.03	70,030.00
2	MST00014	MS Flat 50x6 mm	Stock item	400.000	KG	66.78	26,712.00
3	MST00015	MS Flat 75x8	Stock item	400.000	KG	66.69	26,676.00
4	ABS10009	11KV 400A Conv DB AB/s with insulators	Stock item	4	EA	27,850.68	111,402.72
5	BRK10019	11KV 220V Fed VCB,CTs,CR Pnl& IED Relays	Stock item	1	EA	488,847.72	488,847.72
6	CDR00010	ACSR Conductor Panther	Stock item	150.000	M	269.62	40,443.00
7	LAS00001	11KV Lightning Arrestors Line Type	Stock item	3	EA	619.50	1,858.50
8	CBP00002	LT PVC Cu Contr Cable 4 Core 2.5 Sq. mm	Stock item	300.000	M	167.37	50,211.00
9	CBP00006	LT PVC Cu Contr Cable 10 Core 2.5 Sq. mm	Stock item	150.000	M	406.98	61,047.00
10	CBX10009	11KV Tree Retardant XLPE UG Cb 3x300Sqmm	Stock item	200.000	M	1,699.09	339,818.00
11	SCB10102	11KV 3X300 Heat Shble out/d end ter kit	Stock item	2	EA	2,457.06	4,914.12
12	SCB10101	11KV 3X300 Heat Shble Str thr joint kit	Stock item	2	EA	5,066.11	10,132.22
13	MST00029	RS Joist 150x150mm	Stock item	800.000	KG	71.84	57,472.00
Material Cost							1,289,564.28
S.No	Services Code	Services Text	Item Catagory	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	SWR11039	Exca Hard pit w/o blast 0.76X0.76X1.83M	-	2	EA	928.00	1,856.00
2	SWR10356	Mass concreting of supports incl. cement	-	2.100	M3	6,579.00	13,815.90
3	SWR10461	Erection of 11kv VCB	-	1	EA	12,000.00	12,000.00
4	SMR11487	S-MS Bolts & Nuts,Washers etc.,	-	150.000	KG	91.25	13,687.50
5	SWR10393	Erection of 11kv ABSwitch incl earthing	-	4	EA	3,392.00	13,568.00
6	SMR11482	S-CI Pipe earthing 100mm dia 2.75m long	-	3	EA	3,486.00	10,458.00
7	SWR10357	ERECT. OF LINES-Providing of earthing	-	3	EA	1,234.20	3,702.60
8	SWR10880	Painting supports of 0.3m with bitumen	-	2	EA	688.00	1,376.00
9	SWR10640	Painting of RS Joist(1C RO, 2C Al.Paint)	-	2	EA	1,132.00	2,264.00
10	SWR10881	Painting AB switch OP rods with PO red	-	2	EA	142.00	284.00
11	SMR22473	Supply of I-Bolts	-	3	EA	294.00	882.00
12	SWR10423	Fixing of I-bolts	-	3	EA	20.00	60.00



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

Estimate Number : F-2026-07-05-01-03-001

13	SWR10920	Laying of earth mat,excavation 75x 8mm	-	45	RMT	65.00	2,925.00
14	SWR10918	Earthing for raisers of SS Flat 75x8 mm.	-	60	RMT	50.00	3,000.00
15	SWR10942	Testing of Outdoor SS switchgear	-	1	EA	1,825.00	1,825.00
16	SWR20736	S&F of 220 V DC Electronic Bell	-	1	EA	400.00	400.00
17	SMR11485	S-Earthing GI flat 25x3 mm incl material	-	40.000	KG	105.00	4,200.00
18	SWR10856	Earth work excav hard rock bould <3cum	-	3.000	M3	1,318.35	3,955.05
19	SWR10398	Erect of 11kvLA line type incl earthing	-	1	SET	505.00	505.00
20	SWR10404	Stringing of bus with panther conductor	-	50.000	M	327.68	16,384.00
21	SWR10642	Fabricate&Paint- 175x85/150x75mm RS Joist	-	2	EA	512.55	1,025.10
22	SWR10134	TRANSPORT OF STEEL 30 TO 50KM	-	2.600	TO	587.52	1,527.55
23	SWR10199	LOADING of 11 KV VCBs&Panel boards	-	1	EA	1,024.00	1,024.00
24	SWR10517	UNLOADING of 11 KV VCBs&Panel boards	-	1	EA	1,044.48	1,044.48
25	SWR10205	LOADING of RSJoists150 x 150 mm/RailPole	-	2	EA	176.00	352.00
26	SWR10523	UNLOADING of RSJoists150 x150 mm/RailPol	-	2	EA	107.00	214.00
27	SWR10238	LOADING of 11 KV AB SWCH Con 200/400 A	-	4	EA	80.00	320.00
28	SWR10556	UNLOADING of 11 KV AB SWCH Con 200/400 A	-	4	EA	80.00	320.00
29	SWR10206	LOADING of MS Channel,Angles,Flats&Rods	-	1.800	TO	221.00	397.80
30	SWR10524	UNLOADING of MS Channel,Angles,Flats&Rod	-	1.800	TO	185.00	333.00
31	SWR10265	LOADING of 11 KV, 10 KA LAs Line type	-	3	EA	32.00	96.00
32	SWR10583	UNLOADING of 11 KV, 10 KA LAs Line type	-	3	EA	32.00	96.00
33	SWR11701	Load-PVC Control Cable 10C	-	450.000	M	1.00	450.00
34	SWR11712	UnLoad-PVC Control Cable 10C	-	450.000	M	1.02	459.00
35	SWR12507	Provide-Push button type LED Lamp	-	3	EA	150.00	450.00
36	SWR11928	Lay-SR 11KV 3x300sqmm UG Cb CC/BT Compsr	-	160.000	M	1,073.94	171,830.40
37	SWR11955	Raise-SR 11KV 3x300sqmm UG Cb on support	-	40.000	M	144.08	5,763.20
38	SWR10391	OD/Idoor end termination 11kv 3x300 xlpe	-	2	EA	2,370.63	4,741.26



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

Estimate Number : F-2026-07-05-01-03-001

39	SWR11230	Load-11/33KV XLPE UG Cable for all sizes	-	200	DR	1,024.00	204,800.00
40	SWR11231	Unload-11/33KV XLPE UG Cable all sizes	-	200	DR	1,024.00	204,800.00
41	SWR10386	Straight through joint 11kv 3x300 xlpe	-	2	EA	3,725.45	7,450.90
42	SWR11172	Loading 11/33KV Straight thr jointkit	-	2	EA	8.00	16.00
43	SWR11153	Un-loading 11/33KV Straight thr jointkit	-	2	EA	4.00	8.00
44	SWR10732	Con of Plinth for 11kv VCB 1.8x1.8x0.75m	-	1	EA	27,629.00	27,629.00
45	SMR40009	Sup Material for 1st coat Al. Painting.	-	1.800	TO	2,181.00	3,925.80
46	SWR10877	Labour for 1st coat Al. Painting.	-	1.800	TO	851.00	1,531.80
47	SMR40010	Sup Material for 2nd coat Al. Painting.	-	1.800	TO	1,293.00	2,327.40
48	SWR10879	Labour for 2nd coat Al. Painting.	-	1.800	TO	482.00	867.60
49	SWR10869	Fabrication of struc.with welding.	-	1.800	TO	3,426.00	6,166.80
50	SWR10348	Erection of RS Joist 150 x 150 mm	-	2	EA	1,952.61	3,905.22
51	SWR12294	BaseConcrte1:3:6 PolePit 0.76x0.76x0.15M	-	3.000	M3	5,053.00	15,159.00
52	SWR11879	Lay-4C/10C 2.5Sqmm Control Cable	-	450.000	M	27.00	12,150.00
53	SWR10869	Fabrication of struc.with welding.	-	2.200	TO	3,426.00	7,537.20
54	SMR11915	S-Tension HW 3Bolt 1Zebra/Pnthr 150mm	-	6	SET	2,055.00	12,330.00
55	SMR40011	Sup T clamp LM6 Al alloy of 12 mm, 800 A	-	12	EA	299.00	3,588.00
56	SWR12510	L-Cable Termination to Switchgear	-	100	EA	27.00	2,700.00
57	SWR12331	AB Switch Coil Earthing GI No. 8 Wire	-	4	EA	146.63	586.52
58	SWR11863	Transport of Cond Drum,VCBs >30 & <50Km	-	1	EA	4,372.74	4,372.74
59	SWR10205	LOADING of RSJoists150 x 150 mm/RailPole	-	2	EA	176.00	352.00
60	SWR10523	UNLOADING of RSJoists150 x150 mm/RailPol	-	2	EA	107.00	214.00
61	SWR10917	Labour for Fixing of all types of clamps	-	24	EA	65.00	1,560.00
62	SMR40080	S-4" BClass GI pipe 3.65mm thck 12.2Kg/M	-	24.000	M	800.00	19,200.00
63	SWR33057	S&Spreading of 20mm HBG Metal	-	5.000	M3	2,041.00	10,205.00
Service Cost							850,974.82



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

Estimate Number : F-2026-07-05-01-03-001

GST 18%	153,175.47
3 % S & H Charges :	38686.93
3 % Contingencies on materials:	38686.93
10 % Estt. & General Charges :	128956.43
Total :	2500044.86



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

Estimate Number : F-2026-07-05-01-03-001

Activity No : 70

Activity Description : Civil Work Addl Items

S.No	Services Code	Services Text	Item Catagory	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	SMR11594	S-90W LED fixture set	-	1	EA	8,200.00	8,200.00
2	SWR10956	Fixing of LED/Metal halide complete.	-	1	EA	1,268.00	1,268.00
3	SWR34179	Hire-JCB to Level & Clear the Site	-	8	H	2,226.50	17,812.00
4	SWR33015	Excavation in Ordinary Soil	-	15.750	M3	539.54	8,497.76
5	SWR33403	S&F MS Security Fencing Mesh (2"X2")	-	22.400	M2	2,192.00	49,100.80
6	SWR34470	Seigniorage Charges - Sand	-	3.630	M3	40.00	145.20
7	SWR34928	Seigniorage Charges for M-Sand	-	3.630	M3	97.50	353.93
8	SWR34471	Seigniorage Charges - Metal	-	24.970	M3	30.00	749.10
9	SWR34472	Seigniorage Charges - Gravel	-	50.000	M3	75.00	3,750.00
10	SWR33041	CRS Masonary CM(1:6) 2nd Sort	-	22.700	M3	5,829.00	132,318.30
11	SWR33052	S&Filling with Borrowed Gravel	-	80.000	M3	715.00	57,200.00
12	SWR33028	PCC with 40mm Metal (1:4:8)	-	2.500	M3	5,556.00	13,890.00
13	SWR33030	PCC with 20mm Metal (1:2:4)	-	0.800	M3	6,967.00	5,573.60
Service Cost							298,858.69
GST 18%							53,794.56
3 % S & H Charges :							0.00
3 % Contingencies on materials:							0.00
10 % Estt. & General Charges :							0.00
Total :							352653.25

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THE ASSISTANT DIVISIONAL ENGINEER/CONSTRUCTION/MEDCHAL CONSTRUCTION SUB DIVISION

THE DIVISIONAL ENGINEER/CONSTRUCTION/MEDCHAL CONSTRUCTION DIVISION

THE SUPERINTENDING ENGINEER/OPERATION/MEDCHAL CIRCLE

THE CHIEF ENGINEER/OPERATION/MEDCHAL ZONE