



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

D.No :LR.NO.CE(COMML)/SE(C)/DE(C)-1/ADE-I/AE-I/D.NO.45/2025-26, DT.02.02.2026

M/s.Depot Manager,HT20339356

Revised estimate for extension of supply for a CMD of 6000KVA under 33kV HT Cat-IX with 33kV DEDICATED FEEDER to M/s. Depot Manager, TSRTC, Jeedimetla depot in ShapurNagar Section of ShapurNagar Sub-Division of Jeedimetla Division in Medchal Circle under Capital Works - Estimate submitted - Reg.

Estimate for extension of supply to 1 No. HT service with HT Reg.No.HT20339356, Dt.03.05.2023 for a CMD of 6000KVA with a CL of 4800 KW under 33kV Cat-IX to M/s.Depot Manager, TSRTC, Jeedimetla depot in ShapurNagar section, ShapurNagar Sub-Division, Jeedimetla Division in Medchal Circle by erecting new 33KV dedicated feeder line from the nearby EHT 220/33KV ShapurNagar SS under Capital works.

REPORT TO ACCOMPANY THE ESTIMATE

1) General:

Estimate for extension of supply to 1 No. HT service with HT Reg.No.HT20339356, Dt.03.05.2023 for a CMD of 6000KVA with a CL of 4800 KW under 33kV Cat-IX to M/s.Depot Manager, TSRTC, Jeedimetla depot in ShapurNagar section, ShapurNagar Sub-Division, Jeedimetla Division in Medchal Circle by erecting new 33KV dedicated feeder line from the nearby EHT 220/33KV ShapurNagar SS by laying of 1.2km new 33KV feeder with 3x400 Sqmm UG Cable under Capital works.

2) Point of Supply : The proposal is for extension of supply from 33kV NEW DEDICATED FEEDER emanating from 220kV/33kV ShapurNagar SS.

3) Main Features: The proposal envisages the following

i. Main source:

- Laying of 33kV 400 Sq.mm UG Cable Double Run from 220kV/33kV EHT ShapurNagar SS to Consumer premises - 1200mtrs
- Raising of 33kV 400 Sq.mm UG Cable Double Run - 100 Mtrs.
- Erection of 33 kV 3-way RMU - 1no.

ii. Alternate source:

- Laying of 33kV 400 Sq.mm UG Cable Double Run duly tapping from 33 kV Jeedimetla-5 feeder -0.10km.
- #### iii. At Jeedimetla Depot (Consumer premises)
- Laying of 33kV 400 Sq.mm UG Cable Double Run for incoming to HT service SS yard - 100 Mtrs.
 - Raising of 33kV 400 Sq.mm UG Cable Double Run for incoming to HT service SS yard - 20 Mtrs.
 - Erection of RS Joist 175 x 85 mm Box Pole - 6 Nos.
 - Extension of 33kV Bay - 1 No
 - Erection of 33kV 24 V Feeder VCB - 1 No.
 - Erection of 24V 40AH Battery with Charger - 1 No.
 - Erection of 33kV HT TVR 200/1 A - 1 No.
 - Erection of 33kV 10VA Burden 1 ph PTs - 3 Nos.
 - Erection of 33 kV Metering CT's 200/1A - 3 Nos.
 - Erection of 33 kV 800 A Conventional D/B AB switches - 3 Nos

4) Power Transformer Capacity : The existing Power Transformer capacity at 200kV/33kV EHT ShapurNagar SS is 3x8 MVA. The loads that are incident on the SS are as follows :

- Existing load - 180 MVA
- Already proposed load - Nil
- Now proposed load - 6 MVA

Total Load - 186 MVA

The present MD reached on the PTR-I is 65 MVA. Hence the power transformer capacity is quite adequate.

5) Necessity & Justification :



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The Divisional Engineer/Operation/Jeedimetta Division has addressed a letter vide Lr.No. DEE/OP/JEEDIMETLA/F.No. /D.No. : 1012/2023-24, Dt.08.06.2023 stating that 1 No. HT application were registered with Reg.No. HT20339356, Dt.03.05.2023 for a CMD of 6000KVA with a CL of 4800 KW under Cat- HT-IX to M/s.D Depot Manager, TSRTC, Jeedimetta depot in ShapurNagar section requesting supply under HT-IX i.e., Electric Charging Stations with 100% Departmental Payment and requested to arrange for estimate preparation and sanction.

Technical feasibility Approval for 33kv bay extension at EHT 220/33KV ShapurNagar SS vide, Lr.No.CE(Tr)/SE(TR)/DE(SS)/ ADE4/F.1011 TSRTC/23/D.NO.358/23,Dt.09.08.2023.

Hence, the estimate has been prepared and submitted for an early sanction please.

Note1:-

* The estimate was prepared in E-2023 Year, as per the request of the consumer the estimate now is revised. Hence it is requested to sanction the estimate as per the new Cost date i.e,2025-2026 Revised rates.

Note2:- During joint meeting with VC&MD TGSRTC and CMD/TGSPDCL held on 22.01.2026, it was decided that main and alternate sources along with switching Stations are required for all TGSRTC EV charging stations in view of its usage and on request of TGSRTC to reduce the estimate cost, TGSPDCL will bear the switching station cost on allocation and transfer of title of land of 1000-1500 Sq.yards at each location for construction of switching station/substation for providing reliable and quality supply to TGSRTC and shall be utilized as per future requirement. The total cost of Rs.2,98,70,746/- for construction of switching station shall be borne by TGSPDCL

Division	: SE/OP/GHYD WEST	Section	: AE OP SHAPURNAGAR
Project Type	: SC-Extension of Supply (HT-33KV)	Cost Center	: 107612101
Estimate No.	: E-2023-07-06-12-01-062	Estimate Description	: M/s.D Depot Manager, HT20339356
Network No.	: 520000513179	Estimate Created Date	: 21.08.2023
Reservation No.	: 8002430429	Plant	: 1060
User Status	: APRD NBGD PNM	System Status	: CRTD AVAC NTUP
Estimate Approved date	: 04.02.2026	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
HT20339356	DEPOT MANAGER JEEDIMETLA	HT	09	033	6,000.00	00	00	0.00				0.00

Total Estimate Cost (Gross):		23201954.32
Less Credits :		0.00
Estimate Cost (Net) :		23201954.32
SL.No.	Proposals involves	Total in Rs.
1	10 - 33KV Line material	20838406.9976
2	40 - 33KV METERING ARRANGEMENT	2363547.323



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Activity No : 10

Activity Description : 33KV Line material

S.No	Materials Code	Materials Text	Item Catagory	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	SCB10114	33KV 3X400 Heat Shble out/d end ter kit	Stock item	16	EA	5,342.09	85,473.44
2	MST00032	RS Joist 175x85mm	Stock item	3,000.000	KG	71.96	215,880.00
3	CBX30006	33KV Tree Retardant XLPE UG Cb 3x400Sqmm	Stock item	2,800.000	M	4,098.64	11,476,192.00
4	SCB10113	33KV 3X400 Heat Shble Str thr joint kit	Stock item	12	EA	29,462.33	353,547.96
5	HWR00004	33KV Metal parts(B&S)	Stock item	6	SET	261.08	1,566.48
6	INS30007	33KV Polymer Insulators (B&S)	Stock item	6	EA	517.10	3,102.60
7	BRK30024	33KV 3-way RMU with VCB	Stock item	1	EA	2,998,631.80	2,998,631.80
Material Cost							15,134,394.28
S.No	Services Code	Services Text	Item Catagory	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	SWR11972	Lay-DR 33KV 3x400sqmm UG Cb HG/BC/CC/BT	—	1,180.000	M	749.00	883,820.00
2	SWR12004	Raise-DR 33KV 3x400sqmm UG Cb on support	—	100.000	M	323.85	32,385.00
3	SWR10988	Lay-2nd Cable in Excavated Trench	—	1,180.000	M	204.10	240,838.00
4	SMR40082	S-9" B Class GI pipe 7.3mm thck 28.8Kg/M	—	70.000	M	1,113.00	77,910.00
5	SWR10387	OD/ldoor end termination 33kv 3x400 xlpe	—	16	EA	2,764.76	44,236.16
6	SMR11484	S-CI Pipe earthing 50mm dia 2m long	—	14	EA	2,441.00	34,174.00
7	SMR11485	S-Earthing GI flat 25x3 mm incl material	—	75.000	KG	105.00	7,875.00
8	SWR10359	ERECT. OF LINES-Providing of RCC collar	—	14	EA	386.00	5,404.00
9	SMR40070	Supply of Danger boards with clamps	—	8	EA	116.00	928.00
10	SMR11485	S-Earthing GI flat 25x3 mm incl material	—	60.000	KG	105.00	6,300.00
11	SWR10357	ERECT. OF LINES-Providing of earthing	—	14	EA	1,234.20	17,278.80
12	SWR11232	Load-11/33KV XLPE UG cable all size	—	2,800.000	M	18.00	50,400.00
13	SWR11233	Unload-11/33KV XLPE UG cable all size	—	2,800.000	M	18.00	50,400.00
14	SWR22092	survey line&cabl inc peg mark&tree clear	—	1.300	KM	765.00	994.50
15	SWR10382	Straight through joint 33kv 3x400 xlpe	—	12	EA	5,700.78	68,409.36
16	SWR20871	Construction of plinth for 3way RMUs etc	—	1	EA	6,000.00	6,000.00



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17	SWR11335	Erect-33KV 3 Way RMU	—	1	EA	5,775.00	5,775.00
18	SWR24700	Road Cutting - BT Road in GHMC/R&B	—	180.000	M	2,275.00	409,500.00
19	SWR11001	HDD cable with HDPE pipe in Hard rock	—	120.000	M	6,993.00	839,160.00
Service Cost							2,781,787.82
GST 18%							427,011.81
GST 18%							73,710.00
3 % S & H Charges :							454031.83
3 % Contingencies on materials:							454031.83
10 % Estt. & General Charges :							1513439.43
Total :							20838407.00



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Estimate Number : E-2023-07-06-12-01-062

Activity No : 40

Activity Description : 33KV METERING ARRANGEMENT

S.No	Materials Code	Materials Text	Item Catagory	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	CDR00004	AAA Conductor 100 Sq. mm	Stock item	60.000	M	106.08	6,364.80
2	ABS30004	33KV 800A D/B AB SWITCH WITH INSULATORS	Stock item	3	EA	61,108.57	183,325.71
3	BRK30019	33KV 24V FED VCB WITH CTS & CR PANEL	Stock item	1	EA	554,463.70	554,463.70
4	HWR00004	33KV Metal parts(B&S)	Stock item	6	SET	261.08	1,566.48
5	INS30007	33KV Polymer Insulators (B&S)	Stock item	6	EA	517.10	3,102.60
6	MHT30072	33KV HT TVR, 200/1A 0.2S 15min IP-Cat C	Stock item	1	EA	7,997.19	7,997.19
7	CBP00001	LT PVC Cu Contr Cable 2 Core 2.5 Sq. mm	Stock item	100.000	M	78.96	7,896.00
8	CBP00002	LT PVC Cu Contr Cable 4 Core 2.5 Sq. mm	Stock item	200.000	M	149.11	29,822.00
9	CBP00006	LT PVC Cu Contr Cable 10 Core 2.5 Sq. mm	Stock item	200.000	M	341.56	68,312.00
10	BAT00027	24V 40AH Battery with charger	Stock item	1	EA	17,126.87	17,126.87
11	MST00032	RS Joist 175x85mm	Stock item	3,000.000	KG	71.96	215,880.00
12	ITR30061	33KV 1ph PTs,10 VA Burden 0.2 Class	Stock item	3	EA	33,058.61	99,175.83
13	ITR30053	33KV Metering CT's 200/1A 0.2S Class	Stock item	3	EA	23,920.00	71,760.00
14	LAS00004	33KV Lightning Arrestors Station Type	Stock item	6	EA	4,096.88	24,581.28
15	MST00012	MS Channel 100x50 mm	Stock item	1,600.000	KG	65.73	105,168.00
16	MST00002	MS Angle 50x50x6	Stock item	50.000	KG	68.62	3,431.00
17	MST00015	MS Flat 75x8	Stock item	150.000	KG	66.55	9,982.50
18	MST00014	MS Flat 50x6 mm	Stock item	400.000	KG	66.67	26,668.00
19	CDR00010	ACSR Conductor Panther	Stock item	80.000	M	269.62	21,569.60
20	SLA10119	72W LED Yard Light-105-295V>120Lm/W	Stock item	2	EA	5,845.71	11,691.42
Material Cost							1,469,884.98
S.No	Services Code	Services Text	Item Catagory	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	SWR10108	EXCAV. OF PIT 0.75 M x 0.9 M x 1.95 M	—	6	EA	629.85	3,779.10
2	SWR11266	Erection of 9/10/11Meter Box pole	—	6	EA	2,643.83	15,862.98
3	SWR10640	Painting of RS Joist(1C RO, 2C Al.Paint)	—	12	EA	1,132.00	13,584.00
4	SWR10204	LOADING of R.S. Joists 175 x 85 mm	—	12	EA	76.00	912.00
5	SWR10522	UNLOADING of R.S. Joists 175 x 85 mm	—	12	EA	50.00	600.00
6	SWR10356	Mass concreting of supports incl. cement	—	6.600	M3	6,579.00	43,421.40



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7	SWR10642	Fabricate&Paint- 175x85/150x75mm RS Joist	—	12	EA	512.55	6,150.60
8	SWR10133	TRANSPORT OF STEEL 20 TO 30KM	—	5.200	TO	476.34	2,476.97
9	SWR10869	Fabrication of struc.with welding.	—	2.200	TO	3,426.00	7,537.20
10	SMR40009	Sup Material for 1st coat Al. Painting.	—	2.200	TO	2,181.00	4,798.20
11	SWR10877	Labour for 1st coat Al. Painting.	—	2.200	TO	851.00	1,872.20
12	SMR40010	Sup Material for 2nd coat Al. Painting.	—	2.200	TO	1,293.00	2,844.60
13	SWR10879	Labour for 2nd coat Al. Painting.	—	2.200	TO	482.00	1,060.40
14	SWR10743	Painting of supports to a height of 0.3M	—	6	EA	686.00	4,116.00
15	SWR10399	Erection of 33kv CT s	—	1	SET	1,079.00	1,079.00
16	SWR10401	Erection of 33kv single phase PT s	—	1	SET	1,079.00	1,079.00
17	SWR12271	Erect-33KV AB Switch in SS	—	3	EA	5,342.25	16,026.75
18	SWR10200	LOADING of 33/11 KV CTs/ PTs	—	6	EA	165.00	990.00
19	SWR10518	UNLOADING of 33/11 KV CTs/ PTs	—	6	EA	128.00	768.00
20	SWR10239	LOADING of 33 KV AB SWCH Con 400/800 A	—	3	EA	126.00	378.00
21	SWR10557	UNLOADING of 33 KV AB SWCH Con 400/800 A	—	3	EA	79.00	237.00
22	SWR20177	Erect of HT Metering Box incl box cost	—	1	EA	5,000.00	5,000.00
23	SWR24843	Erect-HT Trivector Meter	—	1	EA	1,000.00	1,000.00
24	SWR10734	Con of Plinth HTTVR meter 0.6x0.3x0.9m	—	1	EA	5,202.00	5,202.00
25	SWR10396	Erect of 33kv LA stn type incl earthing	—	2	SET	880.00	1,760.00
26	SWR20685	Cement concrete with 40MM metal VCB plin	—	6.615	M3	5,160.00	34,133.40
27	SWR10460	Erection of 33kv VCB	—	1	EA	12,500.00	12,500.00
28	SMR11482	S-CI Pipe earthing 100mm dia 2.75m long	—	6	EA	3,486.00	20,916.00
29	SMR11485	S-Earthing GI flat 25x3 mm incl material	—	90.000	KG	105.00	9,450.00
30	SWR10359	ERECT. OF LINES-Providing of RCC collar	—	6	EA	386.00	2,316.00
31	SWR10357	ERECT. OF LINES-Providing of earthing	—	6	EA	1,234.20	7,405.20
32	SWR10198	LOADING of 33 KV VCBs&Panel boards	—	1	EA	1,024.00	1,024.00
33	SWR10516	UNLOADING of 33 KV VCBs&Panel boards	—	1	EA	1,044.48	1,044.48



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34	SWR11862	Transport of Cond Drum,VCBs >20 & <30Km	—	1	EA	3,691.38	3,691.38
35	SWR10919	Earthing for raisers of SS Flat 50x6 mm.	—	166.670	RMT	41.00	6,833.47
36	SWR10920	Laying of earth mat,excavation 75x 8mm	—	31.900	RMT	65.00	2,073.50
37	SWR10963	Painting of Name Plates for any equipmen	—	4	EA	122.00	488.00
38	SWR11879	Lay-4C/10C 2.5Sqmm Control Cable	—	500.000	M	27.00	13,500.00
39	SWR23224	Excavate-Pit for 33KV VCB	—	5.292	M3	331.00	1,751.65
40	SMR11488	S-GI Bolts & Nuts,Washers etc.,	—	100.000	KG	117.50	11,750.00
41	SMR40011	Sup T clamp LM6 Al alloy of 12 mm, 800 A	—	12	EA	299.00	3,588.00
42	SMR40021	SupPad clamps 100X100X15mm 2 panth 1200A	—	18	EA	284.00	5,112.00
43	SWR10917	Labour for Fixing of all types of clamps	—	30	EA	65.00	1,950.00
44	SWR10881	Painting AB switch OP rods with PO red	—	3	EA	142.00	426.00
45	SWR11771	Erect-24V Batory with Chrgr incl grot-SS	—	1	EA	1,050.00	1,050.00
46	SWR10404	Stringing of bus with panther conductor	—	26.667	M	327.68	8,738.24
47	SWR10366	Stringing 100sqmm 33/11kv Line 3 Cond SC	—	0.020	KM	13,856.50	277.13
48	SWR10286	LOADING of 24 V Battery with charger	—	1	EA	46.00	46.00
49	SWR10860	Supply & Spreading of 20mm HBG metal	—	5.000	M3	2,113.00	10,565.00
50	SMR40070	Supply of Danger boards with clamps	—	10	EA	116.00	1,160.00
51	SWR33403	S&F MS Security Fencing Mesh (2"X2")	—	50.000	M2	2,263.00	113,150.00
52	SWR11425	Fix-150W HP SV/LED/Induction/other lamp	—	2	SET	275.00	550.00
53	SMR40072	Supply of LC Boards	—	3	EA	116.00	348.00
54	SMR40068	SupRubber mats(6#x3#)size for indoorSS	—	3	EA	1,386.00	4,158.00
55	SMR40073	Supply of Gum Boots	—	2	EA	693.00	1,386.00
56	SMR24624	S-Discharge Hse Pipe 50L Co2 FireExtgr	—	2	EA	650.00	1,300.00
57	SWR33041	CRS Masonary CM(1:6) 2nd Sort	—	27.000	M3	4,925.00	132,975.00
58	SWR10604	UNLOADING of 24 V Battery with charger	—	1	EA	46.00	46.00
Service Cost							558,237.85
GST 18%							100,482.81



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3 % S & H Charges :	43856.63
3 % Contingencies on materials:	44096.55
10 % Estt. & General Charges :	146988.50
Total :	2363547.32

Copy to:

THE ASSISTANT ENGINEER/OPR/AE OP SHAPURNAGAR

THE ASSISTANT DIVISIONAL ENGINEER/OPERATION/SHAPURNAGAR SUB-DIVISION

THE DIVISIONAL ENGINEER/OPERATION/JEEDIMETLA DIVISION

THE SUPERINTENDING ENGINEER/OPERATION/MEDCHAL CIRCLE

THE CHIEF ENGINEER/OPERATION/MEDCHAL ZONE