



SOUTHERN POWER DISTRIBUTION COMPANY OF TG LIMITED

D.No :SP.O.O.Ms.No.118, Dt:24-01-2026

Bif of 11KV Yamnampet fdr

Estimate for bifurcation of 11KV Yamnampet feeder loads by laying of 11 KV 3X300 Sq.mm XLPE UG cable UG cable (Double Run) for a distance of 420Mtrs duly diverting load from 11 KV Yamnampet feeder from 33/11KV Ghatkesar SS to the new 11KV Ismailkhaguda feeder emanating from 33/11KV 2BHK SS in Ghatkesar section in Ghatkesar subdivision of Keesara Division in Habsiguda Circle under T&D Improvements to original works (Summer Action Plan works-2026).

Report to accompany Estimate:

General: The Estimate proposal is for bifurcation of 11KV Yamnampet feeder loads by laying of 11 KV 3X300 Sq.mm XLPE UG cable UG cable (Double Run) for a distance of 420Mtrs duly diverting load from 11 KV Yamnampet feeder from 33/11KV Ghatkesar SS to the new 11KV Ismailkhaguda feeder emanating from 33/11KV 2BHK SS in Ghatkesar section in Ghatkesar subdivision of Keesara Division in Habsiguda Circle under T&D Improvements to original works (Summer Action Plan works-2026).

Main features:

The proposal involves the following:

- Laying of 11 KV 3X300 UG cable (Double Run) through HDD method under railway track for a distance of 100Mtrs
- Laying of 11 KV 3X300 UG cable (Double Run) after the railway track for a further distance of 320Mtrs
- Erection of RS Joist 175X85 mm box poles - 2No's
- Raising of Raising of 11KV 3X300 Sq.mm XLPE UG cable (Double Run) for a height of 20mtrs on RS joist poles on either side of the Railway track.

Justification:

Estimate with WBS No- T-2532-14-05-11-01-001 is for bifurcating 11KV yamnampet Feeder of Ghatkesar SS, by diverting part of the load of Yamnampet feeder to the new ismailkhaguda Feeder of 2BHK SS. The 11 KV Yamnampet feeder is a long feeder of 30Km feeding 80 Distribution Transformers of Yamnampet village and Ismailkhaguda Village. Further, the feeder lies along the Rampally-Ismailkhaguda-Yamnampet canal, where there is rampant tree growth. The Maximum Load on the Feeder is also 123 Amps recorded on 07.08.2025 at 08:00 Hrs. The Yamnampet feeder is a very lengthy feeder given the urban setting that it is catering to. Considering the rapidly increasing loads and the heavy tree cover along the feeder, this link line is essential in diverting Ismailkhaguda village loads (to the new Ismailkhaguda Feeder). Further, the new 2BHK Rampally SS is very near to the load centre i.e. Ismailkhaguda. This will help in reducing interruptions on Yamnampet feeder and provides redundancy in Power supply to the areas of Ismailkhaguda and Yamnampet villages.

The complete the bifurcation, a 11 KV cable has to be laid from beneath the Railway track at Seshadrinagar colony, Ismailkhaguda village. As the Railway Authorities are giving Permission only with Horizontal Directional Drilling, (HDD) Method, the Estimate is proposed with Horizontal Directional Drilling, (HDD) Method, and 11KV 300 Sq.mm UG cable. Hence, this estimate is prepared and submitted for sanction.

Division : SE/O/RR East	Section : AE OP GHATKESAR
Project Type : T&D Improvements to original works	Cost Center : 114511101
Estimate No. : T-2532-14-05-11-01-001	Estimate Description : Bif of 11KV Yamnampet fdr
Network No. : 510000328351	Estimate Created Date : 14.11.2025
Reservation No. : 8002874110	Plant : 1060
User Status : APRD NBGD	System Status : CRTD AVAC
Estimate Approved date : 24.01.2026	Estimate Sanctioned By : CGM_OPN



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Estimate Number : T-2532-14-05-11-01-001

Total Estimate Cost (Gross):		3979626.12
Less Credits :		0.00
Estimate Cost (Net) :		3979626.12
SL.No.	Proposals involves	Total in Rs.
1	10 - Int. Processing 0010	3979626.1204



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Estimate Number : T-2532-14-05-11-01-001

Activity No : 10

Activity Description : Int. Processing 0010

S.No	Materials Code	Materials Text	Item Catagory	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	CBX10009	11KV Tree Retardant XLPE UG Cb 3x300Sqmm	Stock item	880.000	M	1,699.09	1,495,199.20
2	SCB10102	11KV 3X300 Heat Shble out/d end ter kit	Stock item	4	EA	2,457.06	9,828.24
3	SCB10101	11KV 3X300 Heat Shble Str thr joint kit	Stock item	2	EA	5,066.11	10,132.22
4	MST00013	MS Channel 75x40 mm	Stock item	100.000	KG	65.55	6,555.00
5	MST00032	RS Joist 175x85mm	Stock item	1,000.000	KG	71.96	71,960.00
Material Cost							1,593,674.66
S.No	Services Code	Services Text	Item Catagory	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	SWR11981	Lay-DR 11KV 3x300sqmm UG Cb CC/BT Compsr	—	100.000	M	1,264.64	126,464.00
2	SWR11001	HDD cable with HDPE pipe in Hard rock	—	200.000	M	6,993.00	1,398,600.00
3	SWR12005	Raise-DR 11KV 3x300sqmm UG Cb on support	—	20.000	M	275.40	5,508.00
4	SWR10391	OD/ldoor end termination 11kv 3x300 xlpe	—	4	EA	2,370.63	9,482.52
5	SWR10386	Straight through joint 11kv 3x300 xlpe	—	2	EA	3,725.45	7,450.90
6	SMR40082	S-9" B Class GI pipe 7.3mm thck 28.8Kg/M	—	48.000	M	1,113.00	53,424.00
7	SMR11484	S-CI Pipe earthing 50mm dia 2m long	—	4	EA	2,441.00	9,764.00
8	SWR10359	ERECT. OF LINES-Providing of RCC collar	—	4	EA	386.00	1,544.00
9	SWR10357	ERECT. OF LINES-Providing of earthing	—	4	EA	1,234.20	4,936.80
10	SWR12125	Run-GI Earth Flat 25x3mm from metallic p	—	40.000	M	14.03	561.20
11	SMR11485	S-Earthing GI flat 25x3 mm incl material	—	24.000	KG	105.00	2,520.00
12	SMR11488	S-GI Bolts & Nuts,Washers etc.,	—	20.000	KG	117.50	2,350.00
13	SWR11039	Exca Hard pit w/o blast 0.76X0.76X1.83M	—	2	EA	928.00	1,856.00
14	SWR11266	Erection of 9/10/11Meter Box pole	—	2	EA	2,643.83	5,287.66
15	SWR10642	Fabricate&Paint- 175x85/150x75mm RS Joist	—	2	EA	512.55	1,025.10
16	SWR10640	Painting of RS Joist(1C RO, 2C Al.Paint)	—	2	EA	1,132.00	2,264.00
17	SWR10356	Mass concreting of supports incl. cement	—	2.200	M3	6,579.00	14,473.80



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18	SWR11890	Coping & Muffing-Iron Pole	—	0.062	M3	3,893.06	241.37
19	SWR25089	S&E-Smart RFID marker	—	2	EA	2,745.00	5,490.00
20	SMR40085	S-RCC Cable Joint/Route Marker	—	2	EA	484.00	968.00
21	SWR12101	Paint-Feeder Name on Support incl. Paint	—	2	EA	53.00	106.00
22	SWR11862	Transport of Cond Drum,VCBs >20 & <30Km	—	2	EA	3,691.38	7,382.76
23	SWR10133	TRANSPORT OF STEEL 20 TO 30KM	—	1.100	TO	476.34	523.97
24	SWR11873	Cutting Charges-MS Channel 75x40mm	—	20	EA	9.00	180.00
25	SWR11230	Load-11/33KV XLPE UG Cable for all sizes	—	2	DR	1,024.00	2,048.00
26	SWR11231	Unload-11/33KV XLPE UG Cable all sizes	—	2	DR	1,024.00	2,048.00
27	SWR11171	Loading of 11/33 KV IN/OUT door kits	—	4	EA	6.00	24.00
28	SWR11152	Un-loading of 11/33 KV IN/OUT door kits	—	4	EA	4.00	16.00
29	SWR11172	Loading 11/33KV Straight thr jointkit	—	2	EA	8.00	16.00
30	SWR11153	Un-loading 11/33KV Straight thr jointkit	—	2	EA	4.00	8.00
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 x 85 mm	—	4	EA	50.00	200.00
33	SWR11973	Lay-DR 11KV 3x300sqmm UG Cb HG/BC/CC/BT	—	220.000	M	631.06	138,833.20
Service Cost							1,805,901.28
GST 18%							325,062.23
3 % S & H Charges :							47810.24
3 % Contingencies on materials:							47810.24
10 % Estt. & General Charges :							159367.47
Total :							3979626.12

Copy to:

THE ASSISTANT ENGINEER/OPR/AE OP GHATKESAR

THE ASSISTANT DIVISIONAL ENGINEER/OPERATION/G'HATKESAR SUB-DIVISION

THE DIVISIONAL ENGINEER/OPERATION/KEESARA DIVISION

THE SUPERINTENDING ENGINEER/OPERATION/HABSIGUDA CIRCLE

THE CHIEF ENGINEER/OPERATION/MEDCHAL ZONE



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