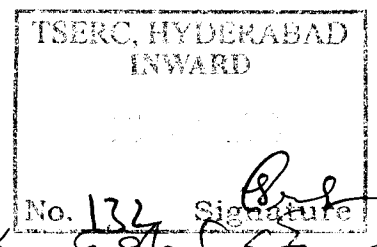


అయితే గిరివ నియంత్రణ సెక్షన్ లిలంగా రిపోర్ట్
వచ్చిన నేనుంటా మండల కార్య వచుస్కంబి
వ్రాయునది విమవ గా.



అయ్యో! ఆమరి చార్జీ గిరివ కెవలవవర గారికి
వచ్చుకుంకుంకువువు.

అయ్యో!

నేను అనగా గుమ్మి కార్య రిల్ల 5/ Late నల్లంవల్ల రిల్ల

గ్రామము; అమ్మాయిక (కాం-కొక్కెల్) మండలం; ఏలూరిగిరివ
జిల్లా; రిపోర్ట్ గారికి నా ఏకంక లెవల్ ఫార్మల్ట్ వుద రిపోర్ట్
లోక కారవంగా సంబంధిత అది అరిలను సంప్రదించగా వారు

(AGL) 100 KV DTR Estimate copyys ~~ADE గారి~~ ముకు అట్టి
ADE గారి DE దగ్గరకు వెళ్ళమని మా అలి చెప్పి ఏంపెనారు
మేము DE గారి దగ్గరకు Estimate copyys అనుకుని వెళ్ళగా
DE గారి మా పై కౌన్సి అలికి చెప్పింబి రిల్ల Estimate
copyys మా దగ్గర పెట్టుకొని వెళ్ళి వామగ్గరి మా అలి
అప్పుడు అరివాల ADE గారికి మేము సంప్రదించగా
వారు సంబంధం అిమ ముకు వేను Estimate copyys ఇచ్చినారు
అది ముకు చునుకొనాలి అని అరివాల మేము మేము DE గారి
దగ్గరకు వెళ్ళి మాకు రిస్కలు అప్పుడారు అని ADE గారి
మా అలి అరివాలకు ~~ఇ~~ ఏకంక సమస్తి పై వచ్చి
అనుకుని ముకు వ్రాయుము చేతుగలరని నా ముకు
మనవి. (not వదిలి సంబంధించిన Estimate copyys మా) అట్టి
కల ఏకంకం బరిగివది.

SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA STATE LIMITED

From:
Asst. Divisional Engineer,
Operation, T.S.S.P.D.C.L.,
Ibrahimbagh.

To:
The Divisional Engineer,
Operation, T.S.S.P.D.C.L.,
Ibrahimbagh.

Lr. No. ADE/OP/Ibrahimbagh/F. No. /D. No. 1538, Dt: 24/10/2017.

Sir,

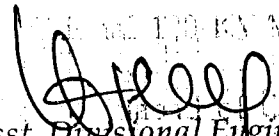
Sub: Electricity - Operation Sub-Division Ibrahimbagh - Submission of 1Nos. estimate
- Requested - Reg.

>>>>><<<<<<

I am herewith submitting 1 Nos. estimate for erection of additional 100 KVA DTR at Bakaram Road situated at Kasimbowli Village of Operation Section Moinabad of Operation Sub-Division Ibrahimbagh and the same was entered in SAP vide W B S Element No: T-1703-65-01-11-03-033.

This is submitted for favor of information and taking further necessary action please.

Yours faithfully


Asst. Divisional Engineer,
Operation, T.S.S.P.D.C.L.,
Ibrahimbagh.



SOUTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED

Erec of 100KVA DTR at Bakaram Road-Kasimbowli

Erection of additional 1 No. 100 KVA DTR at Bakaram Road situated in Kasimbowli Village of Operation Section Moinabad of Operation Sub-Division Ibrahimbagh under Improvement Works.

Report to accompany the estimate

General:

Erection of additional 1 No. 100 KVA DTR at Bakaram Road situated in Kasimbowli Village of Operation Section Moinabad of Operation Sub-Division Ibrahimbagh under Improvement Works.

The existing 100KV DTR at Bakaram Road village is feeding to 150Nos. 1KW Domestic loads on the DTR which is fully overloaded.

The tong tester readings and tail end voltages during peak load hours are as follows:

Date	Time	R in	B in	Y in	R-Y	Y-B	B-Y
		Amps			Volts	Volts	Volts
18-09-17	18:00	115	115	125	125	135	125
19-09-17	19:00	120	110	115	125	135	120
20-09-17	20:00	105	120	110	125	120	120

The number of interruptions in supply due to over load and frequent blowing of HT & LT fuses. On order to maintain satisfactory supply and to safeguard the equipment erection of now proposed additional transformer is very much essential.

Point of supply:

The proposed transformer will be connected to 11 KV Bakaram feeder emanating from 33/11KV Amdapur Sub-Station

Main features:

- To effect with 55Sqmm AAA Conductor with an average span of 50 Mts over now proposed 1 Nos. 9 Mts PSCC poles for a distance of 150 Mts.
- Erection of additional 3-Ph 100 KVA DTR on plinth along with necessary Switch gear.
- To effect 1No. 8Mt PSCC pole with 55Sqmm AAA Conductor with an average span of 50 Mts making a total of 200 Mts.

Power Transformer Capacity:

The existing PTR capacity at 33/11 KV Amdapur Sub-Station is having the following load particulars.

Existing Load	-	6125 KVA
Sanctioned load	-	
Already proposed loads	-	
Now proposed loads	-	100 KVA
Total	-	6225 KVA


Hence the capacity of the existing power transformer is quite adequate to cater the proposed load along with the already sanctioned and proposed loads.

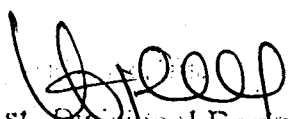
Capital cost and revenue returns:

The total cost of the estimate is Rs. _____.

HT/ LT Regulation:

The tail end HT/ LT regulation of the feeder has been found to be with in the permissible limits.


Addl. Asst. Engineer
 OP, TS SPDCL
 Moinabad



Asst. Divisional Engineer
 Operation, TSSPDCL
 Ibrahimbagh.

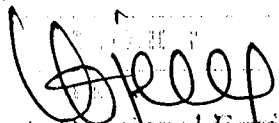


SOUTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED

Division	: SE/OP/GHYD EAST	Section	: AE OP MOINABAD
Project Type	: T&D Improvements to original works	Cost Center	: 165111301
Estimate No.	: T-1703-65-01-11-03-033	Estimate Description	: Erec of 100KVA DTR at Bakaram Road-Kasim
Network No.	: 510000164189	Estimate Created Date	: 21.10.2017
Reservation No.	: 8001354333	Plant	: 1060
User Status	: FAPR NBGD	System Status	: CRTD AVAC
Estimate Approved date	:	Estimate Sanctioned By	:

Estimate Cost (Gross) :		239345.3
Less Credits :		0.0
Estimate Cost (Net) :		239345.3
SL.No.	Proposals involves	Total in Rs.
1	10 - DATA-I	239345.3


Addl. Asst. Engineer
OP, TS SPDCL
Moinabad


Asst. Divisional Engineer
Operation, TSSPDCL
& Ibrahimbagh.



SOUTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED

Activity No : 10

Activity Description : DATA-I

S.No	Materials Code	Materials Text	Item Category	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	PLS00004	PSCC Poles 9.1 Mts 280Kgs	Stock item	1	EA	3,478.25	3,478.25
2	HWR00002	11KV Metal parts(C&T)	Stock item	6	SET	77.00	462.00
3	FBR00015	LT/11KV M.S Back Clamps	Stock item	2	SET	128.00	256.00
4	CDR00003	AAA conductor 55 Sq. mm	Stock item	150.000	M	23.37	3,505.50
5	ABS10002	11KV 200A TT AB SWITCH WITH INSULATORS	Stock item	1	EA	7,610.00	7,610.00
6	HGF10002	11KV HG Fuse Sets with Insulators	Stock item	1	EA	1,842.75	1,842.75
7	EMT00017	GI Earth Flat 25 mm x 3 mm	Stock item	20.000	KG	30.00	600.00
8	WRS00005	GI Wire 4mm (No 8)	Stock item	12.500	KG	57.37	717.13
9	BXS00047	LT Distribution Boxes (SMC)	Stock item	1	EA	6,590.00	6,590.00
10	INS10003	11KV Polymer Insulators (C&T)	Stock item	6	EA	145.00	870.00
11	FBR10006	11KV Horizontal Cross Arms	Stock item	1	EA	485.51	485.51
12	EMT00007	CI Earth pipe 50MM Dia 2 Mts long	Stock item	3	EA	1,173.00	3,519.00
13	DTC30122	3-PH 100KVA DTR with BIS EE Level-2	Stock item	1	EA	123,947.26	123,947.26
14	INS10001	11KV Polymer Pin Insulators with GI pins	Stock item	3	EA	184.58	553.74
15	PLS00001	PSCC Poles 8 Mts 140Kgs	Stock item	1	EA	1,585.19	1,585.19
16	FBR00008	LT 3 Ph. 4 Wire Cross Arms	Stock item	1	EA	348.00	348.00
17	HWR00015	LT GI Pins	Stock item	4	EA	31.21	124.84
18	INS00001	LT Pin Insulators	Stock item	4	EA	18.75	75.00
19	HWR00016	LT Metal parts	Stock item	4	SET	32.80	131.20
20	INS00002	LT Shackles	Stock item	4	EA	16.00	64.00
21	CDR00003	AAA conductor 55 Sq. mm	Stock item	200.000	M	23.37	4,674.00

Material Cost


161,439.55

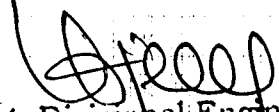
S.No	Services Code	Services Text	Item Category	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	SWR10343	ERECTION OF LINES-Erection of 9.1M Pole	-	1	EA	1,544.00	1,544.00
2	SWR10105	EXCAVATION OF PIT (2'6" x 2'6" x 5'0")	-	1	EA	331.00	331.00
3	SWR10065	Stringing of 55sqmm 33/11kv Line 3 Core	-	0.050	KM	6,180.00	309.00
4	SWR20096	ERECTION OF Three Phase DTRs	-	1	EA	1,820.00	1,820.00
5	SWR20102	Erection of 11kv TT type AB switch	-	1	EA	1,311.00	1,311.00
6	SWR10395	Erect. of 11kv HG Fuseset including earthing	-	1	SET	600.00	600.00
7	SWR21844	Column type DTR Plinth top slab 5'x5'x6"	-	1	EA	24,429.00	24,429.00
8	SWR10357	ERECT. OF LINES-Providing of earthing	-	3	EA	1,000.00	3,000.00
9	SWR20304	Fencing around the transformer	-	1	LS	5,775.00	5,775.00



SOUTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED






10	SWR20117	Erection of LT Distribution box w/o box	-	1	EA	1,653.00	1,653.00
11	SWR10003	Labour and Transport Charges	-	1	LS	2,000.00	2,000.00
12	SWR10342	ERECTION OF LINES-Erection of 8M Pole	-	1	EA	851.00	851.00
13	SWR10105	EXCAVATION OF PIT (2.6" x 2.6" x 5.0')	-	1	EA	331.00	331.00
14	SWR10368	Stringing of LT 3ph line 4 condu(34sqmm)	-	0.050	KM	6,910.00	345.50
Service Cost							44,259.50
18% GST on Labour & Transport :							7,973.91
3 % S & H Charges :							4645.47
3 % Contingencies on materials:							4843.18
10 % Estt. & General Charges :							16143.92
Total :							239345.38

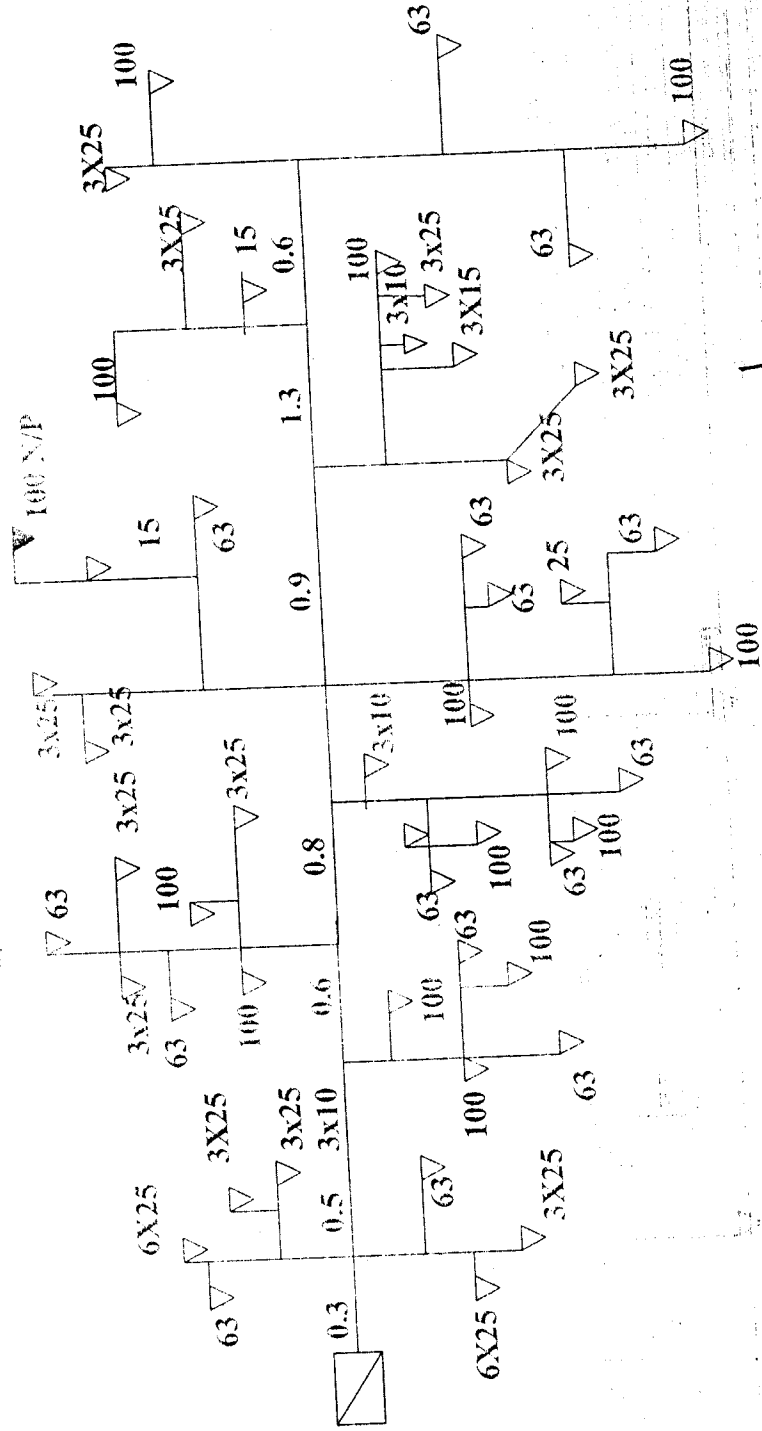

Addl. Asst. Engineer
OP/TS SPDCL
Moinabad

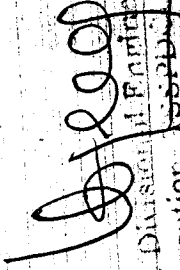

Asst. Divisional Engineer,
Operation, TSSPDCL,
Ibrahimbagh.


HT LAYOUT OF 11 KV BAKARAM FEEDER, EMANATING FROM 33/11 KV AMDAPUR SUB-STATION.

REFERENCE:

- 33/11 KV POLICE ACADEMY SS  ---
- EXISTING DTR'S  ---
- N/p 100 KVA DTR  ---
- EXISTING 11 KV LINE  ---
- N/P 11 KV LINE  ---

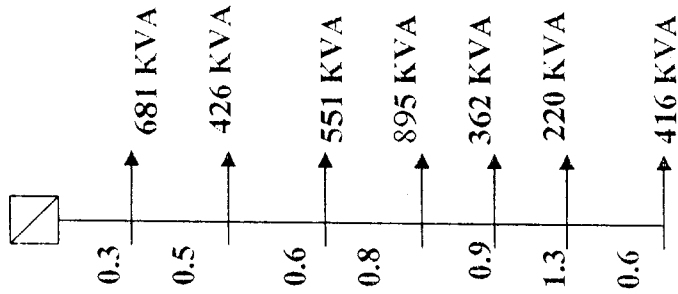



 Asst. Divisional Engineer
 Operation, SSPD
 Ibrahimbarah


 Addl. Asst. Engineer
 OP, TS, SPDC
 Moinebed

HT REGULATION OF 11 KV BAKARAM FEEDER EMINATING FROM 33/11 KV AMDAPUR SUB STATION.

Movements Taking:



Regulation:

$$0.3 \times 681 = 204.3 \text{ KVAKM}$$

$$0.8 \times 426 = 340.8 \text{ KVAKM}$$

$$1.4 \times 551 = 771.4 \text{ KVAKM}$$

$$2.2 \times 895 = 1969.0 \text{ KVAKM}$$

$$3.1 \times 362 = 1122.2 \text{ KVAKM}$$

$$4.4 \times 220 = 968.0 \text{ KVAKM}$$

$$5 \times 416 = 2080.0 \text{ KVAKM}$$

$$\text{-----}$$

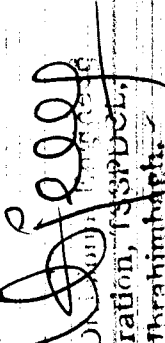
$$7435.7 \text{ KVAKM}$$

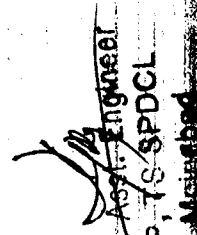
$$\text{-----}$$

$$\% \text{ Regulation} = \frac{7435.7 \times 0.8}{1.5 \times 900}$$

$$= 4.40 \%$$

Hence HT Regulation is with in the permissible limit


 Asst. Director
 Operation, TS SPDCCL,
 Thrashimphat.


 Addl. Asst. Engineer
 OP, TS SPDCCL
 Mysore