

Office of
The Superintending Engineer
Operation RR Circle North,
Gunrock, Secunderabad.

Sanction Memo No. SE/O/RRC(N) Coml./DR No.109/06/D No. 343/06 date 17-05-06

Sub :- Electricity, Operation, Ranga Reddy Circle (North) -- Extension of supply to 60 Nos. 3 Phase each 5 KW domestic loads and 1 No. 5 HP PWS Load and 1 No. 5 KW street light load to M/s. Mehta & Mod Homes, at Sy. No. 291, Cherlapally, Kushaiguda section of Sainikpuri sub division in Medchal division of RRC (N). in Ranga Reddy District -- Estimate sanctioned -- Regarding.

Ref :- Lt. No. DEE/OP/Medchal/AE Comml./D. No.941/06, dated 12-05-06.

The Superintending Engineers, Operation, Ranga Reddy Circle North administratively approves the proposal for extension of supply to 60 Nos. 3 Phase each 5 KW domestic loads and 1 No. 5 HP PWS Load and 1 No. 5 KW street light load to M/s. Mehta & Mod Homes, at Sy. No. 291, Cherlapally, Kushaiguda section of Sainikpuri sub division in Medchal division of RRC (N). in Ranga Reddy District and accords sanction for

Rs. 607,235 Rupees Six Lakh Seven thousand Two hundred Thirty Four Paise Sixty Only

towards expenditure as per the detailed estimate enclosed.

Rs. 605,025 Rupees Six Lakh Five thousand Twenty Four Paise Sixty Only

towards expenditure as per the detailed estimate enclosed.

The estimate is technically sanctioned and registered as D.R. No. 109 of 2006-2007.

CHARGEABLE TO CAPITAL :

		Rs.	Gross	Less Credits	Net
A.	A.P.C.P.D.C.L's Side	Rs.	272,035	2,210	269,825
B.	Consumer's Side	Rs.	335,200	0	335,200
C.	TOTAL	Rs.	607,235	2,210	605,025

The classification of expenditure is given below :

A.P.C.P.D.C.L. -- Capital out lay on electricity scheme -- E. Arrears (B) Expenditure (3) Distribution System (Excluding S.S.) F. Distribution Plant (High Voltage) D. Distribution Plant (Medium and Low voltage).

A.P.C.P.D.C.L. -- Capital out lay on Electricity Scheme -- E.H. Arrears B-12 suspense stock.

The sanction accorded now is subject to the following conditions.

1. Supply is liable to be staggered, restricted, reduced out of altogether, if so warranted by Power fuel shortage or water position or any other emergency.
2. Supply is liable to be disconnected, if used without permission of A.P.C.P.D.C.L. for purpose other than those for which it specifically sanctioned.
3. The proposed power to the premises should not have second service and no arrears pending and no court cases pending.
4. The proposed Distribution Transformer LT Lines should be in side of consumer premises only with necessary clearances and that equipment should not be in traffic movement area. The proposed DTR and its equipments should be erected by maintaining proper horizontal clearances minimum of four feet distance from the building structure.

CENTRAL POWER DISTRIBUTION ESTIMATE

6. In case of non - availability / non provision of space after due inspection and duly satisfying the contentions of the builder / developer the local Divisional Engineer / Operation may permit the developer / builder to provide space for erection of DTR in a closed room subject to providing of fire proof indoor dry type transformer by the builder with necessary cabling etc., at his cost. Access to such room should be provided by the builder separately to the staff of CPDCL.
6. There should not be any 11 KV/ LT lines passing through from other source of supply in the proposed premises.
7. The LT Panel Boards are to be standardized with required protection and housing for meters with sealing arrangements.
8. The existing services if any in this premises to be provided in control panel only or that services to be dismantled and properly accounted for.
9. The Divisional Engineers (OP) are requested to followed the guide lines given in the Memo. No. CGM/ Comm/DE (C)/AE - 1/F-Release of Services/D. No. 2883/03, dt : 28-11-03 before releasing the services sanctioned in this estimate.
10. The following amounts are to be collected from the consumer.
 - a) **Rs. 335,200 Rupees Three Lakh Thirty Five thousand Two hundred Only** towards non-refundable service line charges.
 - b) **Rs. 317500 Rupees Three Lakh Seventeen thousand Five hundred Only** towards non-refundable load development charges.
 - c) **Rs. 66500 Rupees Sixty Six Thousand Five hundred Only** towards Security Deposit charges.

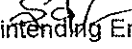
The work order approval will be issued by Divisional Engineers, Concerned subject to budget provision and in accordance with the policy laid down by the A.P.C.P.D.C.L, from time to time.

Work order should be issued only on receipt of a certificate along with W.O. application from the concerned Asst. Divisional Engineer to the effect that necessary payments has been collected.

Against the lump-sum provisions made in the estimate, detailed working estimate should be got approved by the competent authority.

The prospective consumer should give an under taking along with LT Power requisition, in the event of connecting up additional connected load in the premises, in excess of the contracted load.

Encl. : Estimate in the full shape.


Superintending Engineer
Operation Ranga Reddy Circle (North)

To

The Divisional Engineer/Operation/Medchal.

Copy to : The Accounts Officer, Expenditure, RR Circle North.

Copy to : The Asst. Divisional Engineers/Operation/Sainikpuri.

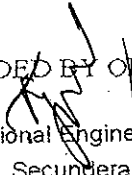
Copy to : The Asst. Engineer/Operation/Kushaiguda.

Copy submitted to the Chief General Manager/Comm/APCPDCL.

Copy submitted to the Chief General Manager/Operation/Ranga Reddy Zone.

NOTE : Ensure approval of CEIG for Electrical Installation of Multistoried Buildings having More than 15 Meters height under Rule 50 (a) I.E. Rules 1956.

FORWARDED BY ORDER


Asst. Divisional Engineer/Comm.
Gunrock, Secunderabad - 15.

Supervising Engineer
Operation RR Circle North,
Gunrock, Secunderabad - 15.

To

M/s. Mehta & Mod Homes,
Sy. No. 291,
Cherlapally, R. R. Dist..

Lr. No. SE/O/RRC (N)/Coml./DR. No. 109/2006/D.No. 344/06, dt. 17-05-06.

Sir,

Sub :- Extension of supply to 60 Nos. 3 Phase each 5 KW domestic loads and 1 No. 5 HP PWS Load and 1 No. 5 KW street light load to M/s. Mehta & Mod Homes, at Sy. No. 291, Cherlapally, Kushaiguda section of Sainikpuri sub division in Medchal division of RRC (N). Estimate sanctioned - Permission for supply of materials and for execution of works by your self on turnkey basis - Accorded - Regarding.

Ref :- 1. Sanction Memo No. SE/O/RRCN/CommL/D. No. 343/06, Dt. 17-05-06.
2. Representation of Consumer dated

Under the circumstances explained in reference (2) cited, you are permitted to supply the materials COMPLETELY & EXECUTE the works in respect of the scheme sanctioned under reference 2nd cited with the following details :

- a) Erection of 11 KV line with 55 Sq. mm. AAAC over 9.1 Mts. PSCC Poles for a distance of 0.36 KM at an average span of 40 Mts.
- b) Erection of 315 KVA Distribution Transformer with AB Switch and HG Fuse set.
- c) Laying of 185 Sq. mm. 3 1/2 Core LT XLPE UG Cable DTR to LT Panle board for a distance of 10 Mts.-
- d) Laying of 70 Sq. mm. 3 1/2 Core LT XLPE UG Cable LT Panle board to LT Feeder Pillar Box for a distance of 200 Mts.
- e) Laying of 10 Sq. mm. 3 1/2 Core LT XLPE UG Cable for street lights for a distance of 200 Mts.
- f) Erection of 1 No. LT Control Panel with 600 A 3 Phase MCB's for incoming and 3 Nos. 3 Phase 250 A for out going circuits with copper bus protection.
- g) LT feeder pillar box (out door) with 400 A MCCB's bus bar with 400 A Alluminium bus bar and 25 Nos. outgoing 32 A TPN MCB's.
- h) Effecting of 60 Nos. 3 Phase each 5 KW domestic loads and 1 No. 5 HP PWS Load and 1 No. 5 KW street light load

The permission now accorded is subject to the following conditions:

- 1 A licensed electrical contractor under the supervision of the APCPDCL's Officials, should execute the works.
- 2 The materials used in the works should confirm to APCPDCL's Specification.
- 3 Major materials like distribution transformers, A.B. Switches, H.G. Fuse sets, conductor, structural steel and other materials should be purchased from standard vendors of standard quality and as per latest ISI. The bills/ vouchers of materials purchased should be produced to Divisional Engineer, Operation, Medchal.
- 4 You should hand over all the works executed by you to the APCPDCL's Officials after completion in full shape. The work executed by you shall be taken over by the APCPDCL after statutory inspection of APCPDCL's officials. The installation shall be deemed to be the property of APCPDCL's after such take over. The proposed Distribution Transformer, LT Lines should be inside of consumer premises only.
- 5 The consumer should provide the LT Panel Boards are to be standardized with required protection and housing for meters with sealing arrangements.
- 6 The proposed power in the premises should not have 2nd service, arrears to be paid and no court case pending.

Central Power Distribution Company of Andhra Pradesh Ltd.

The proposed Distribution Transformer LT Lines should be in side of consumer premises only with necessary clearances and that equipment should not be in traffic movement area. The proposed DTR and its equipments should be erected by maintaining proper horizontal clearances minimum of four feet distance from the building structure.

- 8 In case of non - availability / non provision of space after due inspection and duly satisfying the contentions of the builder / developer the local Divisional Engineer / Operation may permit the developer / builder to provide space for erection of DTR in a closed room subject to providing of fire proof indoor dry type transformer by the builder with necessary cabling etc., at his cost. Access to such room should be provided by the builder separately to the staff of CPDCL.
- 9 There should not be any 11 KV / LT Lines passing through from other source of supply in the proposed premises.
- 10 The existing services if any in this premises to be provided in the metering panel only or that services to be dismantled and properly accounted for.
- 11 Furnish approval of CEIG for your electrical installation if multistoried complex height is more than 15 Mts.
- 12 As the existing Power Transformer capacity and DTR Capacity and connected lines and equipment needs enhancement to cater the proposed loads. Hence development charges are being collected.
- 13 **315 KVA CSP Transformer** procured by you should be tested by Divisional Engineer /MRT/Ranga Reddy Circle (North).

i) To pay an amount of **Rs. 275720** **Rupees Two Lakh Seventy Five thousand Seven hundred Twenty Only**

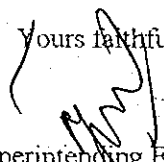
Towards 10% Supervision Charges on estimate cost, Balance Development Charges Transformer testing charges and Security Deposit by Demand Draft in favour of Divisional Engineer, Operation, Medchal and handed over to Divisional Engineer, Operation, Medchal.

<u>DETAILS.</u>			
i)	10% of Total estimate cost towards Supervision charges	Rs.	60723
ii)	Balance Development Charges (3,17,500-1,69,499)	Rs.	148001
iii)	315 KVA CSP Transformer testing charges	Rs.	500
iv)	Security Deposit at the rate of Rs. 200/- KW for domestic, Rs. 800/- KW for non domestic & Rs. 500/- HP.	Rs.	66500
Total AMOUNT TO BE PAID BY CONSUMER.			Rs. 275724

Orsay **275720**

You may contact Divisional Engineer, Operation, Medchal for further action in this matter.

Yours faithfully,


 Sg Superintending Engineer
 Operation : RR Circle North

Copy to : The Divisional Engineer/Operation/Medchal.
 Copy to : The Accounts Officer, Expenditure, RR Circle North.
 Copy to : The Asst. Divisional Engineers/Operation/Sainikpuri.
 Copy to : The Asst. Engineer/Operation/Kushaiguda.
 Copy submitted to the Chief General Manager/Comml./APCPDCL.
 Copy submitted to the Chief General Manager/Operation/Ranga Reddy Zone.

They are requested to ensure that the works shall be carried out as per the standards set by CPDCL.

Central Power Distribution Company of RANGA REDDY CIRCLE
STATEMENT FOR SERVICE LINE CHARGES AND DEVELOPMENT CHARGES

for supply to 60 Nos. 3 Phase each 5 KW domestic loads and 1 No. 5 HP PWS Load and 1 No. 5 KW street light load to M/s. Mehta & Modi Homes, at Sy. No. 291, Cherlapally, Kusahaiguda section of Sainikpuri sub division in Medchal division of RRC (N).

Sl. No.	Description	Units	Qty	Rate	Amount in Rs.
I	Total Cost of the Estimate				607230
II a)	Less cost of 1st 30.48 Mts. 11 KV Line @ Rs. 120/- per Metre	Mts.	30.48	120	3658
b)	Less cost of 1 No. 315 KVA CSP DTR + SP Structure + HG Fuse + AB Switch	Nos.	1	181329	181329
	Distribution Transformer				
d)	Less cost of ii) 3 Phase 10 - 40 A Energy Meters	Nos.	62	1404	87048
II	Total Expenditure chargeable to CPDCL				272035
				orsay	272030
III	Service line charges to be collected				335200
IV	Development charges to be collected	Services	Nos.	Load in KW	Dev. Charges
a)	Domestic @ Rs. 1000/- per KW	3 phase	60	5	300000
b)	1 No. 5 KW Street load		1	5	10000
c)	1 No. 5 HP PWS Load	3 phase	1	5 HP	7500
	Total amount in Rs.				317500
V	Security Deposit				
a)	Domestic @ Rs. 200/- per KW	3 phase	60	5	60000
b)	1 No. 5 KW Street load	3 phase	1	5	4000
c)	1 No. 5 HP PWS Load	3 phase	1	5 HP	2500
	Total amount in Rs.				66500
VI	Total charges to be collected				719200

AG/P

AD/C

Superintending Engineer
 Operation Ranga Reddy Circle (North)

Central Power Distribution Company of Andhra Pradesh Limited

REPORT TO ACCOMPANY THE ESTIMATE

- 1 **General :** The proposal is for extension of supply to 60 Nos. 3 Phase each 5 KW domestic loads and 1 No. 5 HP PWS Load and 1 No. 5 KW street light load to M/s. Mehta & Modi Homes, at Sy. No. 291, Cheriapally, Kushaiguda section of Sainikpuri sub division in Medchal division of RRC (N).
- 2 **Main Features :** The Proposal envisages the following.
 - a) Erection of 11 KV line with 55 Sq. mm. AAAC over 9.1 Mts. PSCC Poles for a distance of 0.36 KM at an average span of 40 Mts.
 - b) Erection of 315 KVA Distribution Transformer with AB Switch and HG Fuse set.
 - c) Laying of 185 Sq. mm. 3 1/2 Core LT XLPE UG Cable DTR to LT Panle board for a distance of 10 Mts.
 - d) Laying of 70 Sq. mm. 3 1/2 Core LT XLPE UG Cable LT Panle board to LT Feeder Pillar Box for a distance of 200 Mts.
 - e) Laying of 10 Sq. mm. 3 1/2 Core LT XLPE UG Cable for street lights for a distance of 200 Mts.
 - f) Erection of 1 No. LT Control Panel with 600 A 3 Phase MCB's for incoming and 3 Nos. 3 Phase 250 A for out going circuits with copper bus protection.
 - g) Erection of LT feeder pillar box (out door) with 400 A MCCB's bus bar with 400 A Alluminium bus bar and 25 Nos. outgoing 32 A TPN MCB's.
 - h) Effecting of 60 Nos. 3 Phase each 5 KW domestic loads and 1 No. 5 HP PWS Load and 1 No. 5 KW street light load
- 3 **33/11 KV Substation and Feeder :** The proposed loads are on 11 KV Krup feeder emanating from 33/11 KV Sub - Station Cherlapally SS with existing Power Transformer Capacity 3 x 8 MVA is not capable of feeding proposed loads, already proposed loads and existing loads. Hence the development charges are being collected to enhance the PTR capacity and to strengthen the lines and equipments.
- 4 **Capital Cost of the Estimate :-** The total cost of the estimate is (Gross) Rs.6,07,235/- Net Rs 6,05,020/- and it is self remunerative.
- 5 **H.T. Regulation :-** The H.T. Regulation of the feeder will be with in permissible limits as the proposed load is with in 2 to 3 KM vicinity of 33/11 KV Sub - Station.
- 6 **List of Materials :-** The required materials are as per the detailed estimate.

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AGIP

AGIP
R.G.T.

Superintending Engineer
Operation Ranga Reddy Circle (North)

Operation Ranga Reddy Circle (North)

DETAILED ESTIMATE FOR H.T. SYSTEM

Extension of supply to 60 Nos. 3 Phase each 5 KW domestic loads and 1 No. 5 HP PWS Load and 1 No. 5 KW street light load to M/s. Mehta & Modi Homes, at Sy. No. 291, Cherlapally, Kushaiguda section of Sainikpuri sub division in Medchal division of RRC (N).

Sl. No.	Particulars	Qty.		Rate		Per	Amount	
				Material	Labour		Material	Labour
O.H. Lines								
1	9.1 Mts. PSCC Poles	9	No.	1628	625	Each	14652	5625
2	8.0 Mts. PSCC Poles	3	No.	853	485	Each	2559	1455
3	11 KV 'V' 'X' Arms	10	No.	183		Each	1830	
4	Top Clamps	10	Nos.	72		Each	720	
	Back Clamps		No.			Each	510	
5	55 Sq. mm. AAA Conductor	1080	Mts.	22.647	1600	Mt.	24468	17280
6	11 KV Pin Insulators with pins	18	Nos.	62.35		Each	1122.3	
7	11 KV Disc insulators B & S	15	Nos.	333		Each	4995	
8	Mass Concreting of Poles & Stay Sets (including cost of concrete, sand and cement etc.)	12	No.	1000		Each	12000	
9	Pit Excavation (0.76*0.76*1.83)	12	Nos.		85			1020
Distribution Transformer switch gear.								
1	315 KVA CSP Distribution Transformer 11 KV/433 Volts.	1	No.	169499	2260	Each	169499	2260
2	Single Pole structure with Box Pole of R.S. Joists welded Back to Back. (Including concreting and pit excavation etc.)	1	No.	14125	1500	Each	14125	1500
3	Plinth of standard size and fencing if necessary.	1	No.	5000	500	Each	5000	500
4	Fencing around Transformer	1	No.	5000	500	Each	5000	500
5	Earthing for Transformer (1No. Cast Iron and 2 Nos. GI Pipes)	1	No.	3000	500	Each	3000	500
6	11 KV H.G. Fuse set	1	No.	1230	255	Each	1230	255
7	11 KV AB Switch 200 Amps.	1	No.	4398	380	Each	4398	380
8	300 Sq. mm. 3 1/2 Core LT cable and distribution box at Distribution Transformer Structure.	1	No.	7250	300	Each	7250	300
9	Dismantling charges of 11 KV line	LS			1500	LS		1500
Sub Total Rs.							272349	16443
3% Contingencies							8170	
3% S & H Charges							7510	
Labour & Transport							16443	
10% Estt. General Charges							30447	
Grand Total : Rs.							334920	
Or Say Rs.							334920	

LESS CREDITS	
70 Kgs. of ACSR Conductor of 11 KV line @ Rs. 35/- per Kg.	2450
10% Depreciation (-)	245
Total	2205
Orsay	2210

AG/P

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Superintending Engineer
Operation Ranga Reddy Circle (North)

Central Power Distribution Company of Andhra Pradesh Ltd.
Operation Ranga Reddy Circle (North)


DETAILED ESTIMATE FOR L.T. SYSTEM

Extension of supply to 60 Nos. 3 Phase each 5 KW domestic loads and 1 No. 5 HP PWS Load and 1 No. 5 KW street light load to M/s. Mehta & Modi Homes, at Sy. No. 291, Cherlapally, Kushaiguda section of Sainikpuri sub division in Medchal division of RRC (N).

Sl. No.	Particulars	Qty.	Rate		Per	Amount	
			Material	Labour		Material	Labour
1	Distribution Cables						
a)	P.V.C. Cable 185 Sq. mm. 3 1/2 Core XLPE UG Cable	10 Mts.	291	120	Mts.	2910	1200
b)	P.V.C. Cable 70 Sq. mm. 3 1/2 Core XLPE UG Cable,	200 Mts.	125	80	Mts.	25000	16000
c)	LT 3 1/2 core 10 Sq. mm. XLPE UG Cable with terminations (for street lighting.)	200 Mts.	54	20	Mts.	10800	4000
	L.T. Switch gear Installation						
a)	LT Distribution Pannel Board (Out door) with 600 A 3 Phase MCB's outgoing cable protection with bus bar of 600 A Capacity.	1 No.	30000	3000	Each	30000	3000
b)	LT feeder-pillar box-(out-door). with 400 A MCCB's bus bar with 400 A Alluminium bus bar and 25 Nos. outgoing 32 A TPN MCB's.	6 Nos.	8000	800	Each	48000	4800
c)	Jointing Material	LS Nos.	500		LS	500	
3 a)	3 Phase 10 - 40 A Energy Meter (high quality)	62 No.	1404	75	Each	87048	4650
			Sub Total Rs.			204258	33650
						3% Contingencies	6128
						3% S & H Charges	3516
						Labour & Transport	33650
						10% Estt. General Charges	24755
			Grand Total : Rs.			272307	
			Or Say Rs.			272310	

ABSTRACT

Total of H.T.	Rs.	334920
Total of L.T.	Rs.	272310
Total Gross Cost of Estimate	Rs.	607230
Total Less Credits	Rs.	2210
Total Net Cost of Estimate		605020


 Superintending Engineer
 Operation Ranga Reddy Circle (North)


 ACP


 Adc


 SGT