

WORK ORDER

WO No. 148 ~~Original / Office Copy / Purchase Div. Copy~~ WO Date 19-Aug-06
From: Modi Ventures Quote No Nil
 5-4-187/3&4, III floor, M G Road, Secunderabad, 500003 Quote Date 19-Aug-06
To: Vkas Power Projects
 Fathenagar, Hyderabad. Contact Person Mr. Kamal Sin

Work Order for Supply of the following:

S No	Item	Oter Spec	Quant.	Rate	Disco- unt %	VAT	Amount in Rs.
1	1945:Electrical-LT Works- in Lumpsum		1	195000	0	0	195,000

Total Work Order Value in Rs. 195,000

Terms Conditions:

Specifications / As per above refered quotation dated 10.8.06
Brand

Payment Terms As per attached W.O. excel sheet.

Tax All taxes included in above price.

Delivery Date As per attached W.O. excel sheet.

Completion by As per attached W.O. excel sheet.

Delivery Gulmohar Gardens

Phone: 92468 -76366

Loacation Sy.No:-93/94 Part ,Shakti Sai Nagar,Food Co-orpration Road,Mallapur.

**Penalty For
Delay** As per attached W.O. excel sheet.

Transport Cost Included in the above price.

Warranty As per warranty period attached in W.O. excel sheet.

Measurement Final payment as per actual measurements on site.

Security You shall be responsible for your material at our site against theft or damage. Lockable rooms shall be provided on request.

Advance Paid Rs. 50,000/= vide cheque no. dtd. Drawn on HD FC bank.

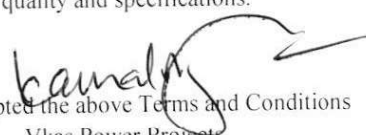
Other Terms We reserve the right to reject items not conforming to quality and specifications.

For Modi Ventures

Authorised Signatory

Name:


KAMAL SINGH MODY


Accepted the above Terms and Conditions
For Vkas Power Projects

Name: KAMAL SINGH Date: 22/9/06.

→ Modi Ventures
 → W.O. Jnder
 → K. Singh's HT works comparison dt 13.1.07.

S no	Particulars	Modi & Modi Phase II Cost (in Rs)	Modi Ventures Cost (in Rs)
1.	Supply & erection of 901 m. pila	8 nos @ 3,000 = Rs 24,000	9 nos 8 nos @ 2,500 = 20,000
2.	Supply & erection of 9 m support pila.	—	1 no @ Rs 2,000 = Rs 2,000
3.	Supply & erection of HT sidearms, pin & Disc Insulators & Buckle clamps & also supply & marking of SS 8 mm AAA conductors.	9 spans @ 4,000 = Rs 36,000	10 spans @ Rs 4,000 Rs 40,000
4.	Supply & Erection of LT cross Arm, pin insulators.	—	8 spans @ Rs 500 = Rs 4,000 (check)
5.	Laying of LT wire	—	8 spans @ Rs 500 = Rs 4,000 check
			<u>70,000</u>

Modi Ventures - Filialer

Kamal Singh & works comparison. dtd.

13.1.07

S.No	Mehta & Modithanas-Phase II	Modi Ventures.
1.	Supply	

ent - LT works
Kamal Singh: 21.7.66.

ent - LT works
Kamal Singh: 21.7.66.

ent - LT works
Kamal Singh: 21.7.66.

Silver Oak Apartments				Gulmohar Gardens			
Sl. No.	Description of Work	Qty.	Rate Rs.	Amount Rs.	Qty.	Rate Rs.	Amount Rs.
I	Liasoning with APCPDCL	NA	40,000.00	40,000.00	NA	40,000.00	40,000.00
II	Liasoning with Dy.C.E.I.G.	NA	25,000.00	25,000.00	NA	25,000.00	25,000.00
III	H.T Works:						
A.	Supply and Erection of Box Pole	1No.	12,000.00		NA		
B.	Supply and Erection of AB Switch & HG Fuses		9,000.00		NA		
C.	Supply and Erection of 1 span, 2 x Arm Insulators etc		9,000.00		NA		
IV.	L.T.Works			30,000.00		30,000.00	30,000.00
A.	Supply and Erection of Feeder box with 500 Amps Kitkat fuses set and Neutral near to Transformer		5,000.00			5,000.00	
B.	Supply and Erection of Feeder Box made of 16 gauge CRCA sheet Powder Coated fitted with 400 Amps MCCB as Incomer & 7 nos. 100 Amps MCCB (All Standard Make) & Neutral Links		45,000.00		4 nos. 100Amp + Incomer 200 Amps MCCB	30,000.00	
	Fabrication of Distribution Board					18,000.00	
	MCCB 200 Amps					5,000.00	
	MCCB 100 AMP 4 nos					7,000.00	
	Measuring Equipment * Voltmeter, selector switch					2,000.00	
C.	L.T. Panel Boards : Made of 18 Gauge CRCA sheets with doors made of 16 gauge & Powder Coated Siemen's Grey with Incomer 125 Amps "Standard" make TPN SFU and 32 Amps MCB provision for 5 nos (15SP + 5 TP) Meters @ Rs.1000 x 31 + Rs.700 x 90		95,000.00		1100 Amps for (20TP + 45 SP) @Rs.1000 x 20 + 750 x 45	54,000/-	
D	Loads : 3KWx85 + 2KWx35 + 10 = 335KW/2.9=167.5/9 =186.11KKVA = 315 KVA		Sub Total:	1,45,000.00	Load = 100 KVA	53,750.00	89,000/-
V	Cables and Earthing						88,750.00
A.	Supply and Laying of all Cables		5,000.00		4" PVC pipe	7,000.00	
B.	Supply and Terminations of 300 sq.mm Cables - @ Rs. 500/- each	4 Nos.	2,000.00		120 sq. mm cables @350/- each	1,400.00	
C.	Supply and terminations of 70 sq.mm Cables - @ 200/- each	14 Nos.	2,800.00		70 sq. mm cables @200/- each	1,600.00	
D.	Supply and Sinking of Earthstations with 3mmx40mm GI pipe 6' size with Coal, Salt etc @1000/- each	7 Nos.	7,000.00			5,000.00	
E.	Supply and Interconnections by 3mm x 25 mm G.I. Flat		3,000.00			3,000.00	
				19,800.00			18,000.00
				2,59,800.00			171,750.00

50, 800

$\frac{10}{1} \times \frac{88}{26}$

Don't go to HS, 195

Thurs. Jan. 4 '07

Modi Ventures - G.M.G. At site.

HT works details.

1) 9-1 PSSC pole.

material cost - Rs 1600. - 175-82/mtr

erect. & part: $\frac{.90}{2,500}$

2) 9 m - 1 no - Rs 2000/-

Support
pole

material - 1580/- ✓

erection - ✓ Rs 420/- ✓

& part - free

3) Supply & Erection

of HT sidearm,

in + PSSC ins 4

in ch clip

each span = 40 mtrs x 108 pms

400 mtrs x 3 - R.V.F. wires

1200'

108 pms x

7875 x 10 = 78,750

Block A.
Central Power Distribution Company of Andhra Pradesh Ltd.

CENTRAL POWER DISTRIBUTION COMPANY OF A.P. LIMITED

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

Sanction Memo No. SE/O/RR(N) Coml. DR. No.945 / 7-08/D. No.4086 /07, date.03-12-07

Sub :- Electricity, Operation, Ranga Reddy Circle (North) - Extension of supply to Nos. 3-Φ each 10 KW Common load, 35 No. 3-Φ each 3 KW Domestic load, & 36 Nos. 1-Φ each 2 KW Domestic loads to M/s. Modi Ventures at Sy. No. 93, 94 & 95, Block-A, Mallapur in Nacharam Section of Habsiguda Sub-division of Habsiguda Division - Estimate Sanctioned - Reg.

Ref :- 1) Memo No.CGM/Comml/DE(C)/ADI WF-Multistoried/D.No.4156/06, Dt.04-02-06.
2) Memo No.CMD/Comml/DE(C)/F-Multistoried/D.No.1384/06, Dt.27-10-06.
3) Lt No. DEE/OP/Habsiguda/AE.Comml/D. No.413 / 7, date 29-11-07

The Superintending Engineer, Operation, Ranga Reddy Circle North administrative approves the proposal for extension of supply to 2 Nos. 3-Φ each 10 KW Common load, 35 No. 3-Φ each 3 KW Domestic load, & 36 Nos. 1-Φ each 2 KW Domestic loads to M/s. Modi Ventures at Sy. No. 93, 94 & 95, Block-A, Mallapur in Nacharam Section of Habsiguda Sub-division of Habsiguda Division and accords sanction for an amount of

Rs. 488,650 Rupees Four Lakh Eighty Eight thousand Six hundred Fifty Only
towards expenditure as per the detailed estimate enclosed.

The estimate is technically sanctioned and registered as D.R. No.945 of 2007-2008.

CHARGEABLE TO CAPITAL :

Rs.

A.	A.P.C.P.D.C.L.'s Side	Rs.	213,180
B.	Consumer's Side	Rs.	275,470
C.	TOTAL	Rs.	488,650

The classification of expenditure is given below :

A.P.C.P.D.C.L. - Capital out lay on electricity scheme - E. Arrears (B) Expenditure (5) 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 is 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 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.
- 5 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 follow 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 Furnish approval of CEIG for your electrical installation if multistoried complex height is more than 15 Mts.
- 11 The Divisional Engineers (OP) are requested to release the services of Multi-storied buildings which are greater than Ten Meters (10 Mt) in height, only after receipt of i). the occupancy certificate issued from concerned municipality and ii). No-objection Certificate from A.P.Fire Services Dept. Any Violation of these clause lies with total responsibility of DE/OP.
- 12 The following amounts are to be collected from the consumer.
 - a) Rs. 275,470 Rupees Two Lakh Seventy Five thousand Four hundred Seventy Only towards non-refundable service line charges.
 - b) Rs. 197060 Rupees One Lakh Ninety Seven thousand Only towards non-refundable load development charges.
 - c) Rs. 39,400 Rupees Thirty Nine Thousand Four 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/Habsiguda

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

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

Copy to : The Asst. Engineer/Operation/Neredmet

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

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

FORWARDED BY ORDER

Asst. Divisional Engineer/Comm.

Operation ERD (North) Basundarabad

Central Power Distribution Company of Andhra Pradesh



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

To

M/s. Modi Ventures
Sy. No. 93, 94 & 95, Block-A, Mallapur
R.R. Dist.

LT. No. SE/O/RRC (N)/Coml/DR. No.945/2007-2008/D.No.4087/07, dt.03-12-07.

Sir,

Sub:- Extension of supply to 2 Nos. 3- Φ each 10 KW Common load, 35 No. 3- Φ each 3 KW Domestic load, & 36 Nos. 1- Φ each 2 KW Domestic loads to M/s. Modi Ventures at Sy. No. 93, 94 & 95, Block-A, Mallapur in Nacharam Section of Habsiguda Sub-division of Habsiguda Division - 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.4086/07, Dt.03-12-07
3. Repräsentation 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.:

- Erection of 11 KV Line with 100 Sq mm AAA Conductor over 9.1 Mts PSOC Poles for a distance of 0.01 KM
- Erection of 1 No. 11 KV/433 V 160 KVA CSP DTR with necessary switch gear, SP Structure with Box poles, Plinth & Fencing around.
- Erection of 4 No. Metering Panel & 1 No. LT Control Panel
- Laying of LT 3 1/2 Core 120 Sq mm XLPE UG Cable for a distance of 100 Mts.
- Effecting of 2 Nos. 3- Φ each 10 KW Common load, 35 No. 3- Φ each 3 KW Domestic load, & 36 Nos. 1- Φ each 2 KW Domestic loads

The permission now accorded is subject to the following conditions:

- A licensed electrical contractor under the supervision of the APCPDCL's Officials, should execute the works.
- The materials used in the works should confirm to APCPDCL's Specification.
- 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, Habsiguda.
- 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 in side of consumer premises only.
- The consumer should provide the LT Panel Boards are to be standardized with required protection and housing for meters with sealing arrangements.
- 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

The proposed Distribution Transformer 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 meter panel only or that services to be dismantled and properly accounted for.
- 11 Furnish approval of CEIG for your electrical installation if multistored complex height is more than 15 Mts.
- 12 You are requested to obtain i). the occupancy certificate issued from concerned municipality and ii). No-objection Certificate from A.P.Fire Services Dept. and submit the same to concerned Asst. Divisional Engineer/Operation for release of services of multi-storied building.
- 13 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.
- 14 160 KVA CSP Transformer procured by you should be tested by Divisional Engineer /MRT/Ranga Reddy Circle (North).

i) To pay an amount of **Rs. 150010**

Rupees One Lakh Fifty thousand Ten 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/Habsiguda/APCPDCL and handed over to Divisional Engineer/Operation/Habsiguda

DETAILS.			
i)	10% of Total estimate cost towards Supervision charges	Rs.	42265
ii)	Balance Development Charges (197,000-133757)	Rs.	63243
iii)	160 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.	39400
Total AMOUNT TO BE PAID BY CONSUMER.		Rs.	150005
		Or say	150010

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

Yours faithfully,

Superintending Engineer
Operation : RR Circle North

Copy to : The Divisional Engineer/Operation/Habsiguda
Copy to : The Accounts Officer, Expenditure, RR Circle North.
Copy to : The Asst. Divisional Engineers/Operation/Malkajgiri
Copy to : The Asst. Engineer/Operation/Neredmet
Copy submitted to the Chief General Manager/Comm./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.

STATEMENT FOR SERVICE LINE CHARGES AND DEVELOPMENT CHARGES

Extension of supply to 2 Nos. 3- Φ each 10 KW Common load, 35 No. 3- Φ each 3 KW Domestic load, & 36 Nos. 1- Φ each 2 KW Domestic loads to M/s. Modi Ventures at Sy. No. 93, 94 & 95, Block-A, Mallapur in Nacharam Section of Habsiguda Sub-division of Habsiguda Division in RRC (N) Under Capital Works.

Sl. No.	Description	Units	Qty	Rate	Amount in Rs.
I	Total Cost of the Estimate				488650
ii a)	Less cost of 1st 10 Mts.	Mts.	10	120	1200
	11 KV Line @ Rs. 120/- per Metre				
b)	Less cost of 1 No. 160 KVA CSP DTR	Nos.	1	135757	135757
	Distribution Transformer				
c)	Less cost of				
	i) Energy Meters	Nos.	36	500	19900
	Single Phase Meters				
c)	Less cost of				
	ii) 3 Phase 10 - 40 A Energy Meters	Nos.	37	1522	56314
II	Total Expenditure chargeable to CPDCL				213179
				orsay	213180
III	Service line charges to be collected				275470
IV	Development charges to be collected	Services	Nos.	Load in KW	Dev. Charges
		1-Phase	36	2	72000
		3-phase	35	3	105000
a)	Domestic @ Rs. 1000/- per KW	3 phase Common	2	10	20000
				Total	197000
V	Security deposit charges to be collected	Services	Nos.	Load in KW	SD. Charges
		1-Phase	36	2	14400
		3-phase	35	3	21000
a)	Domestic @ Rs. 200/- per KW	3 phase Common	2	10	4000
				Total	39400
VI	Total charges to be collected				511870

Superintending Engineer
Operation Ranga Reddy Circle (North)

Central Power Distribution Company of Andhra Pradesh Ltd

CENTRAL POWER DISTRIBUTION COMPANY OF A.P.LIMITED Operation Ranga Reddy Circle (North) DETAILED ESTIMATE FOR H.T. SYSTEM

Extension of supply to 2 Nos. 3- Φ each 10 KW Common load, 35 No. 3- Φ each 3 KW Domestic load, & 36 Nos. 1- Φ each 2 KW Domestic loads to M/s. Modi Ventures at Sy. No. 93, 94 & 95, Block-A, Mallapur in Nacharam Section of Habsiguda Sub-division of Habsiguda Division in RRC (N) Under Capital Works.

Sl. No.	Particulars	Qty.		Rate		Per	Amount	
				Material	Labour		Material	Labour
O.H. Lines								
1	11 KV Channel 'X' arms	1	Nos.	329	-	Each	329	-
2	Back Clamps	1	Nos.	73	-	Each	73	-
3	55 Sq. mm. AAA Conductor	0.06	KM.	28769	3287	KM.	1726	66
4	11 KV Disc insulators B & S	3	Nos.	257	-	Each	771	-
Distribution Transformer switch gear.								
1	160 KVA CSP Distribution Transformer 11 KV/433 Volts.	1	No.	135757	2300	Each	135757	2300
2	Single Pole structure with Box Pole(175 X 85 MM (450 Kgs) of R.S. Joists welded Back to Back. (Including Mass concreting (0.85 Cumt) and pit excavation etc.) 0.85 Cumt	1	No.	14010	2644	Each	14010	2644
3	Construction of Plinth of size 5' X 4' x 8' (4.5 Cumt.).	1	No.	-	8100	Each	-	8100
4	Fencing around Transformer with Size 4.5 Mtr X 4 Mtrs	1	No.	-	5500	Each	-	5500
5	Earthing for Transformer (1Nos. Cast Iron and 2 Nos GI Pipes)	1	No.	-	4730	Each	-	4730
6	11 KV H.G. Fuse set	1	No.	1123	280	Each	1123	280
7	11 KV AB Switch 200 Amps.	1	No.	5911	756	Each	5911	756
8	Supply and erection of A Type Distn. Box LT/HG fuse set including Cable connection for 100 KVA Distribution Transformer and above.	1	No.	5725	600	Each	5725	600
Sub Total Rs.							165425	24976
3% Contingencies							4963	
3% S & H Charges							4963	
Labour & Transport							24976	
10% Estt. General Charges							20033	
Grand Total : Rs.							220359	
Or Say Rs.							220360	

AGIP AGEC OGFT

Superintending Engineer
Operation Ranga Reddy Circle (North)



Central Power Distribution Company of Andhra Pradesh Limited

CENTRAL POWER DISTRIBUTION COMPANY OF A.P. LIMITED

Operation Ranga Reddy Circle (North)

DETAILED ESTIMATE FOR L.T. SYSTEM

Extension of supply to 2 Nos. 3- Φ each 10 KW Common load, 35 No. 3- Φ each 3 KW Domestic load, & 36 Nos. 1- Φ each 2 KW Domestic loads to M/s. Modi Ventures at Sy. No. 93, 94 & 95, Block-A, Mallapur in Nacharam Section of Habsiguda Sub-division of Habsiguda Division in RRC (N) Under Capital Works.

Sl. No.	Particulars	Qty.		Rate		Per	Amount	
				Material	Labour		Material	Labour
1	Distribution Cables & Control Boards							
a)	P.V.C. Cable 120 Sq. mm. 3 1/2 Core XLPE UG Cable	100	Mts.	215	180	Mts.	21500	18000
b)	Jointing Material	1	Nos.	500	250	Each	500	250
2	L.T. Switch gear Installation							
	LT Control Panel with 400 A 3 Phase MCB's for incoming cables and 4 No 100A MCB for out going cables Protection	1	No.	8000	800	Each	8000	800
2	L.T. Metering Panels							
a)	L.T. Control cum Metering Panel with MCCB for incoming protection and provision to MCB's for out going protections to accommodating 18Nos 1 - Phase meters with proper sealing arrangements.	2	No.	18000	1800	Each	36000	3600
b)	L.T. Control cum Metering Panel with MCCB for incoming protection and provision to MCB's for out going protections to accommodating 19 Nos 3 - Phase meters with proper sealing arrangements.	2	No.	23000	2300	Each	46000	4600
b)	3 Phase MCB's	37	Nos.	325	20	Each	12025	740
c)	Single Phase MCB's	36	Nos.	80	10	Each	2880	360
3 a)	3 Phase 10 - 40 A Energy Meter (high quality)	37	Nos.	1522	65	Each	56314	2405
b)	Single Phase 5-20 A Energy Meters (high quality)	36	Nos.	553	45	Each	19908	1620
Sub Total Rs.							203127	30875
3% Contingencies							6094	
3% S & H Charges							3807	
Labour & Transport							30875	
10% Estt. General Charges							24390	
Grand Total : Rs.							268293	
Or Say Rs.							268290	

ABSTRACT

Total of H.T.	Rs.	220360
Total of L.T.	Rs.	268290
Total Cost of Estimate Total	Rs.	488650

$$\begin{array}{r} 10 \\ 35 \times 3 = 105 \\ 36 \times 2 = 72 \\ \hline 187 \times \\ 220 \\ \hline 3740 \end{array}$$

Power Distribution C

A Block-2

... should be at least ...
 ... DTR and its equipments should be erected ...
 ... at clearances minimum of four feet distance from the building structure.

In case of non-availability of provision of space after due inspection ...
 ... developer/Builder to provide space for erection of DTR as a closed ...
 ... of the power indoor dry type transformer by the builder with necessary ...
 ... to such room should be provided by the builder separately.

... should not be any 11 KV / LT Lines passing through room ...

The existing services if any in this premises to be provided in the system ...
 ... services to be dismantled and properly accounted for.

... approval of C.E.O. of your electrical installation ...

You are requested to obtain from the occupancies certificate ...
 ... and the Non-objection Certificate from A.P.I. ...
 ... to concerned Asst. Divisional Engineer/Operation ...
 ... building.

... capacity and DTR ...
 ... to cater the proposed ...

1st KVA CSP Transformer procured by you at ...
 ... (North).

Copy at amount of Rs. 150010 Rupees.

... Supervision Charges on estimate cost, Balance ...
 ... and Security Deposit by Demand ...
 ... Operation/Haldiguda/APCEDC ...

pr cost *inst cost*

DETAILS	
1. Total estimate cost including Supervision charges	Rs. 48,865
2. Development Charges (197,000-13757)	Rs. 61,243
3. 1st KVA CSP Transformer testing charges	Rs. 500
4. Security Deposit at the rate of Rs. 200/- KW for domestic use	Rs. 39,400
5. for non domestic	
TOTAL AMOUNT TO BE PAID BY CONSUMER	
	Rs. 1,50,080

OK
 as per W.O.
 Lmmy
 4-12-02

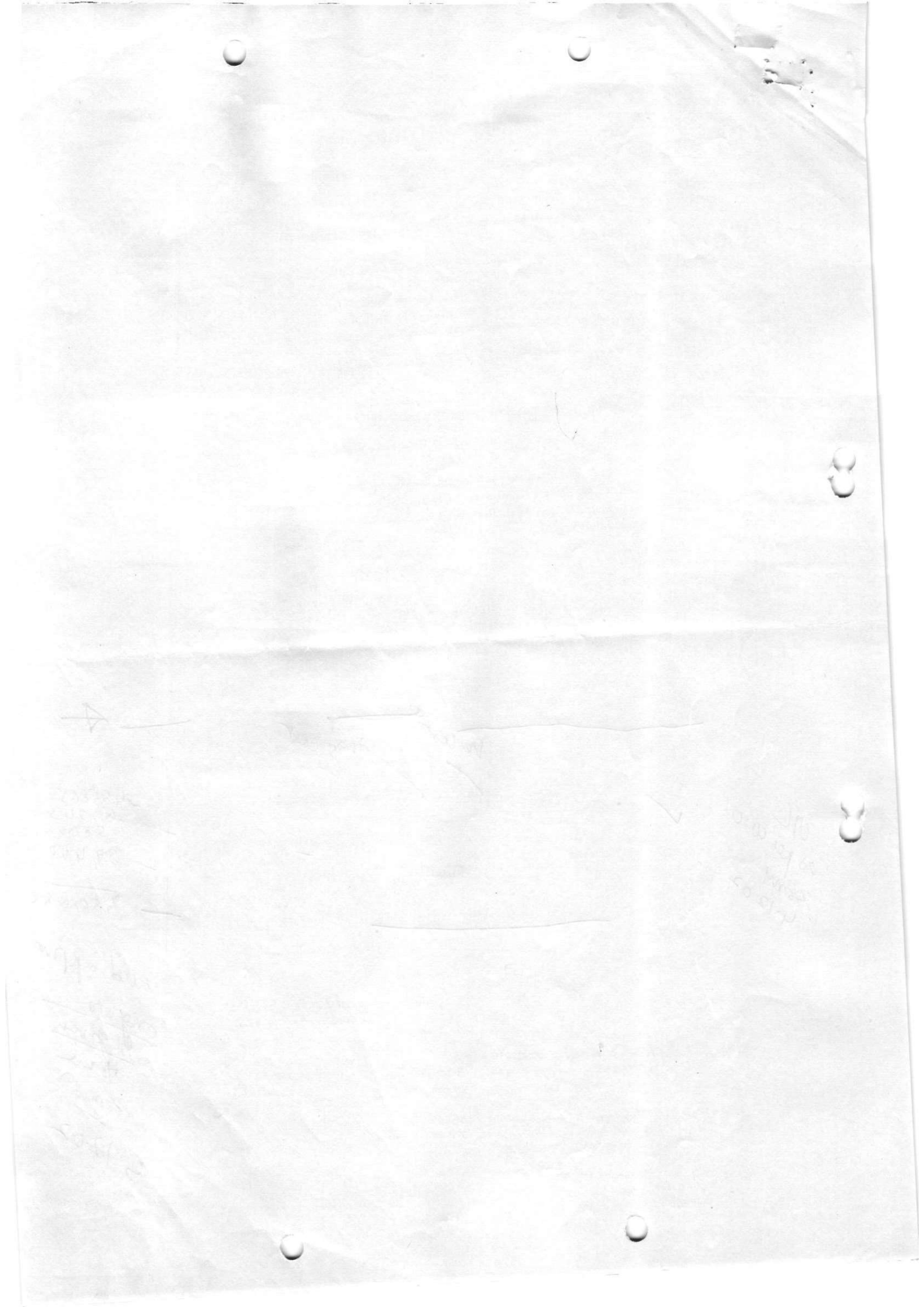
Yours faithfully,

Supplementary Engineer
 Operation RR Circle North

- 1. The Divisional Engineer/Operation/Haldiguda
- 2. The Accounts Officer, Expenses, RR Circle North
- 3. The Asst. Divisional Engineer/Operation/Haldiguda
- 4. The Asst. Engineer/Operation/Haldiguda
- 5. The Chief Control Manager/Centralized
- 6. The Chief Control Manager/RR Circle North

They are requested to ...
 ... the work shall be ...
 ... per the standard ...

called off mp
 orig. to
 begin
 to me
 Lmmy
 5-12-02





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

Sanction Memo No. SE/O/RRC(N) Comml./DR. No.527 /06-07/D. No.5048 /06, date 22-09-06.

Sub :- Electricity, Operation, Ranga Reddy Circle (North) – Extension of supply to 1 Nos.3-phase each 10 KW, 20 Nos 3-Ph each 3 KW, 20 Nos 1-Ph each 2 KW & 25 Nos 1-Ph each 1 KW Domestic Loads to M/s Modi Ventures at Sy.No 93,94,&95, Shakthi Nagar, Mallapur in Nacharam Section of Habsiguda Sub-Division of Habsiguda Division in RRC (N). - Estimate Sanctioned - Reg.

Ref :- 1) Lr No. DEE/OP/Habsiguda /Comml./D. No 3849/06, date 9-09-06.

2) Memo No. CGM/Comml./DE(C)/ADE4/F-Multistoried/D.No.4156/06, Dt.04-02-06.

The Superintending Engineer, Operation, Ranga Reddy Circle North administratively approves the proposal for Extension of supply to 1 Nos.3-phase each 10 KW, 20 Nos 3-Ph each 3 KW, 20 Nos 1-Ph each 2 KW & 25 Nos 1-Ph each 1 KW Domestic Loads to M/s Modi Ventures at Sy.No 93,94,&95, Shakthi Nagar, Mallapur in Nacharam Section of Habsiguda Sub-Division of Habsiguda Division in RRC (N) and accords sanction for an amount of

Rs. 390,140 Rupees Three Lakh Ninety thousand One hundred Forty Only

towards expenditure as per the detailed estimate enclosed.

The estimate is technically sanctioned and registered as D.R. No.527 of 2006-2007.

CHARGEABLE TO CAPITAL :

Rs.

A.	A.P.C.P.D.C.L.'s Side	Rs.	139,990
B.	Consumer's Side	Rs.	250,150
C.	TOTAL	Rs.	390,140

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.
- 5 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.

Central Power Distribution Company of Andhra Pradesh

There should not be any 11 KV/LT lines passing through from other source of supply in the proposed premises.

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 follow 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 Asst. Divisional Engineers (OP) are requested to release the services of Multi-storied buildings only after receipt of i). the occupancy certificate issued from concerned municipality and ii). No-objection Certificate from A.P.Fire Services Dept.

11 The following amounts are to be collected from the consumer.

a) Rs. 250,150 Rupees Two Lakh Fifty thousand One hundred Fifty Only
towards non-refundable service line charges.

b) Rs. 135000 Rupees One Lakh Thirty Five thousand Only
towards non-refundable load development charges.

c) Rs. 27,000 Rupees Twenty Seven Thousand 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/Habsiguda

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

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

Copy to : The Asst. Engineer/Operation/Nachram

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

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

FORWARDED BY ORDER

Asst. Divisional Engineer/Comm.
Operation: RRC (North), Secunderabad.



Central Power Distribution Company of Andhra Pradesh
CENTRAL POWER DISTRIBUTION COMPANY OF A.P.LTD.

Superintending Engineer
Operation RR Circle North,
Gunrock, Secunderabad - 45.

To
M/s Modi Ventures,
Sy.No 93,94,&95,
Shakthi Nagar, Mallapur

Lr. No. SE/O/RRC (N)/Coml./DR. No.527 /2006-2007/D.No.5049 /06 , dt22-09-06.

Sir,

Sub :- Extension of supply to 1 Nos.3-phase each 10 KW, 20 Nos 3-Ph each 3 KW, 20 Nos 1-Ph each 2 KW & 25 Nos 1-Ph each 1 KW Domestic Loads to M/s Modi Ventures at Sy.No 93,94,&95, Shakthi Nagar, Mallapur in Nacharam Section of Habsiguda Sub-Division of Habsiguda Division in RRC (N). - Estimate sanctioned - Permission for supply of materials and for execution of works by your self on turnkey basis - Accorded - Regarding.

1. Sanction Memo No. SE/O/RRCN/Comml./D. No.5048/06, Dt 22-09-06
2. Memo No.CGM/Comml./DE(C)/ADE4/F-Multistoried/D.No.4156/06, Dt.04-02-06.
3. Memo No.CMD/Dir(Op)/SE(O&M)/DE(O&M)/F- /724, Dt.23-06-06
4. Representation of Consumer dated / / -06.

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 Sqmm AAA Conductor Over 9.1 Mts PSCC Poles for a distance of 0.35 KM at a span of 50 Mts.
- b) Erection of 1 No.11 KV/433 V 100 KVA DTR with necessary switch gear, SP Structure with Box poles, Plinth & Fencing around.
- c) Laying of 3 1/2 core 120 Sqmm XLPE Power Cable for a distance of 50 Mt.
- d) Erection of Metering & Control Panel.
- e) Effecting of 1 Nos.3-phase each 10 KW, 20 Nos 3-Ph each 3 KW, 20 Nos 1-Ph each 2 KW & 25 Nos 1-Ph each 1 KW Domestic Loads

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, Habsiguda.
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 in side 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

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.

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- 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 You are requested to obtain i). the occupancy certificate issued from concerned municipality and ii). No-objection Certificate from A.P.Fire Services Dept. and submit the same to concerned Divisional Engineer/Operation for release of services of multi-storied building.
- 13 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.
- 14 100 KVA CSP Transformer procured by you should be tested by Divisional Engineer /MRT/Ranga Reddy Circle (North).

i) To pay an amount of Rs: 133590 Rupees One Lakh Thirty Three thousand Five hundred Ninety 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/Habsiguda APCPDCL and handed over to Divisional Engineer/Operation/Habsiguda

DETAILS.			
i)	10% of Total estimate cost towards Supervision charges	Rs.	39014
ii)	Balance Development Charges (1,35,000-67925)	Rs.	67075
iii)	100 KVA CSP Transformer testing charges	Rs.	500
iv)	Security Deposit at the rate of Rs. 200/- KW for domestic, Rs. 800/-	Rs.	27000
Total AMOUNT TO BE PAID BY CONSUMER.		Rs.	133589

Or say 133590

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

Yours faithfully,

Superintending Engineer
Operation : RR Circle North

Copy to : The Divisional Engineer/Operation/Habsiguda
Copy to : The Accounts Officer, Expenditure, RR Circle North.
Copy to : The Asst. Divisional Engineers/Operation/Habsiguda
Copy to : The Asst. Engineer/Operation/Nachram

They are requested to ensure that the works shall be carried out as

STATEMENT FOR SERVICE LINE CHARGES AND DEVELOPMENT CHARGES

Extension of supply to 1 Nos.3-phase each 10 KW, 20 Nos 3-Ph each 3 KW, 20 Nos 1-Ph each 2 KW & 25 Nos 1-Ph each 1 KW Domestic Loads to M/s Modi Ventures at Sy.No 93,94,&95, Shakthi Nagar, Mallapur in Nacharam Section of Habsiguda Sub-Division of Habsiguda Division in RRC (N).

Sl. No.	Description	Units	Qty	Rate (Rs.)	Amount (Rs.)
I	Total Cost of the Estimate				390140
II a)	Less cost of 1st 30.48 Mts.	Mts.	30.48	120	3658
	11 KV Line @ Rs. 120/- per Metre				
b)	Less cost of 1 No. 100 KVA CSP DTR + SP Structure+ HG Fuse + AB Switch	Nos.	1	79755	79755
c)	Less cost of				
	i) Energy Meters				
	Single Phase Meters	Nos.	45	602	27090
d)	Less cost of				
	i) 3 Phase 10 - 40 A Energy Meters	Nos.	21	1404	29484
III	Total Expenditure chargeable to CPDCL				139987
				or say	139990
IV	Service line charges to be collected				250150
V	Development charges to be collected	Services	Nos.	Load in KW	Dev. Charges
a)	Domestic @ Rs. 1000/- per KW	3 phase	20	3	60000
		1 phase	20	2	40000
		3 phase Common	1	10	10000
		1 phase	25	1	25000
					135000
VI	Security deposit charges to be collected	Services	Nos.	Load in KW	Sec. Charges
a)	Domestic @ Rs. 200/- per KW	3 phase	20	3	12000
		1 phase	20	2	8000
		3 phase Common	1	10	2000
		1 phase	25	1	5000
VII	Total charges to be collected				27000
					412150

Superintending Engineer
Operation Ranga Reddy Circle (North)

Modi Ventures

Central Power Distribution Company of Andhra Pradesh

REPORT TO ACCOMPANY THE ESTIMATE

1. **GENERAL:** The proposal is for extension of supply to 1 No. 3-Ph 10KW, 20 No's 3-Ph each 3KW, 20 No's S-Ph each 2KW & 25 Nos. S-Ph each 1KW Domestic loads to M/s. Modi Ventures at Sy. No. 93, 94 & 95 Shakti Sai Nagar, Mallapur in Nacharam section.
2. **POINT OF SUPPLY:** Supply to the proposed loads will be extended as shown in the sketch.
3. **MAIN FEATURES:** The proposal involves erection of the following
 - a. Erection of 0.35KM 11KV line with 55 Sq. mm AAA conductor on 7 Nos 9.1 Mts PSCC pole with a span of 50 Mts
 - b. Erection of 1 No. 100 KVA Distribution Transformer with necessary Switchgears.
 - c. Erection of metering panel with necessary cables.
4. **POWER TRANSFORMER CAPACITY:** The existing power transformer capacity at 33/11KV Mallapur sub-station is 10 MVA, with 2 Nos. 5 MVA power transformers.

1.	Existing loads	7488 KVA
2.	Already sanctioned loads	426 KVA
3.	Already proposed loads	426 KVA
4.	Now proposed loads	100 KVA

Total : 8440 KVA

Demand on the Sub-station with D.F. of 1.5 will be 5627 KVA. Hence the Power Transformer capacity is quite adequate to cater the now proposed load together with the existing loads.

5. **CAPITAL COST AND REVENUE RETURN:** The capital cost of the scheme works out to Rs. 82478/- and it is self-remunerative.

6. **H.T. REGULATION:** The regulation of 11KV Noma feeder has been calculated and found satisfactory.

[Signature]
Divisional Engineer Electrical
Operation CPDCL Habsiguda,

[Signature]
Asst. Divisional Engineer Electrical
Operation, APCPDCL, Habsiguda

[Signature]
Assistant Engineer
Operation Nacharam
APCPDCL.

[Signature]
AGP
[Signature]
AGP
[Signature]
AGP

DETAILED ESTIMATE FOR H.T. SYSTEM

Extension of supply to 1 Nos.3-phase each 10 KW, 20 Nos 3-Ph each 3 KW, 20 Nos 1-Ph each 2 KW & 25 Nos 1-Ph each 1 KW Domestic Loads to M/s Modi Ventures at Sy.No 93,94,&95, Shakthi Nagar, Mallapur in Nacharam Section of Habsiguda Sub-Division of Habsiguda Division in RRC (N).

Sl. No.	Particulars	Qty.		Rate (Rs.)		Per	Amount (Rs.)	
				Material	Labour		Material	Labour
O.H. Lines								
1	9.1 Mts. PSOC Poles	7	Nos.	1628	1186	Each	11396	8302
2	11 KV Channel 'X' arms	9	Nos.	330	-	Each	2970	-
5	100 Sq. mm. AAA Conductor	1.05	KM.	22647	3287	KM.	23779	1150
6	11 KV Pin Insulators with pins	21	Nos.	62	-	Each	1302	-
7	11 KV Disc Insulators B & S	6	Nos.	253	-	Each	1518	-
8	Mass Concreting of Poles (Including cost of concrete, sand and cement etc.)	7	Nos.	-	1033	Each	-	7231
10	100 KVA CSP Distribution Transformer 11 KV/433 Volts.	1	No.	67925	2176	Each	67925	2176
11	Single Pole structure with Box Pole of R.S. Joists welded Back to Back. (Including concreting and pit excavation etc.)	1	No.	14520	2644	Each	14520	2644
12	Plinth of standard size and fencing if necessary.	1	No.	-	10000	Each	-	10000
13	Fencing around Transformer	1	No.	-	5500	Each	-	5500
14	Earthing for Transformer (1No. Cast Iron and 2 Nos. GI Pipes)	1	No.	-	4730	Each	-	4730
15	11 KV H.G. Fuse set	1	No.	1230	389	Each	1230	389
16	11 KV AB Switch 200 Amps.	1	No.	4398	848	Each	4398	848
17	Installation of Distr. Box LT/HG fuse sets including Cable connection.	1	No.	5375	600	Each	5375	600
Sub Total Rs.							134413	43570
3% Contingencies							4032	
3% S & H Charges							4032	
Labour & Transport							43570	
10% Estt. General Charges							18605	
Grand Total : Rs.							204653	
Or Say Rs.							204650	

AC/p
AOG/c
DEL/T

Superintending Engineer
Operation Ranga Reddy Circle (North)

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

DETAILED ESTIMATE FOR L.T. SYSTEM

Extension of supply to 1 Nos. 3-phase each 10 KW, 20 Nos 3-Ph each 3 KW, 20 Nos 1-Ph each 2 KW & 25 Nos 1-Ph each 1 KW Domestic Loads to M/s Modi Ventures at Sy.No 93,94,&95, Shakthi Nagar, Mallapur in Nacharam Section of Habsiguda Sub-Division of Habsiguda Division in RRC (N).

Sl. No.	Particulars	Qty.		Rate (Rs.)		Per	Amount (Rs.)	
				Material	Labour		Material	Labour
1	Distribution Cables & Control Boards							
a)	LT-120 Sq. mm. 3 1/2 Core XLPE UG Cable	50	Mts.	215	165	Mts.	10750	8250
2	L.T. Switch gear Installation							
a)	LT Control Panel with 200 A 3 Phase MCB's for incoming cables and out going cables	1	No.	5000	500	Each	5000	500
3	L.T. Metering Panels							
a)	L.T. Metering Panel with 200 A 3 Phase MCB's for accommodating 3 Phase meters.	3	Nos.	20000	2000	Each	60000	6000
b)	3 Phase MCB's	21	No.	325	20	Each	6825	420
c)	Single Phase MCB's	45	Nos.	80	10	Each	3600	450
4 a)	3 Phase 10 - 40 A Energy Meter (high quality)	21	No.	1404	65	Each	29484	1365
b)	Single Phase 5-20 A Energy Meters (high quality)	45	Nos.	802	45	Each	27090	2025
Sub-Total Rs.							142749	19010
3% Contingencies							4282	
3% S & H Charges							2585	
Labour & Transport							19010	
10% Estt. General Charges							16863	
Grand Total : Rs.							185489	
Or Say Rs.							185490	

ABSTRACT

Total of H.T.	Rs.	204650
Total of L.T.	Rs.	185490
Total Cost of Estimate Total	Rs.	390140

Superintending Engineer
 Operation Ranga Reddy Circle (North)

✓
A.G.P.

✓
A.G.P.

✓
A.G.P.



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

Sanction Memo No. SE/O/RRC(N) Coml./DR. No.527/06-07/D. No.5048/06, date 22-09-06.

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Central Power Distribution Company of Andhra Pradesh

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Operation Ranga Reddy Circle (North)

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Copy to : The Asst. Engineer/Operation/Nachram

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

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

FORWARDED BY ORDER

Asst. Divisional Engineer/Comm.
Operation: RRC (North), Secunderabad.



Central Power Distribution Company of Andhra Pradesh
CENTRAL POWER DISTRIBUTION COMPANY, OF A.P.LTD.

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

To
M/s Modi Ventures,
Sy.No 93,94,&95,
Shakthi Nagar, Mallapur

Lr. No. SE/O/RRC (N)/Comml./DR. No.527 /2006-2007/D.No.5049 /06 , dt22-09-06.

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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, Habsiguda.
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 in side 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

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 You are requested to obtain i). the occupancy certificate issued from concerned municipality and ii). No-objection Certificate from A.P.Fire Services Dept. and submit the same to concerned Divisional Engineer/Operation for release of services of multi-storied building.
- 13 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.
- 14 100 KVA CSP Transformer procured by you should be tested by Divisional Engineer /MRT/Ranga Reddy Circle (North).

i) To pay an amount of Rs. 133590 Rupees One Lakh Thirty Three thousand Five hundred Ninety 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/Habsiguda APCPDCL and handed over to Divisional Engineer/Operation/Habsiguda

DETAILS.			
i)	10% of Total estimate cost towards Supervision charges	Rs.	39014
ii)	Balance Development Charges (1,35,000-67925)	Rs.	67075
iii)	100 KVA CSP Transformer testing charges	Rs.	500
iv)	Security Deposit at the rate of Rs. 200/- KW for domestic, Rs. 800/-	Rs.	27000
	Total AMOUNT TO BE PAID BY CONSUMER.	Rs.	133589

Or say 133590

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

Yours faithfully,

Superintending Engineer
Operation : RR Circle North

Copy to : The Divisional Engineer/Operation/Habsiguda
Copy to : The Accounts Officer, Expenditure, RR Circle North.
Copy to : The Asst. Divisional Engineers/Operation/Habsiguda
Copy to : The Asst. Engineer/Operation/Habsiguda

They are requested to ensure that the works shall be carried out as

STATEMENT FOR SERVICE LINE CHARGES AND DEVELOPMENT CHARGES

Extension of supply to 1 Nos. 3-phase each 10 KW, 20 Nos 3-Ph each 3 KW, 20 Nos 1-Ph each 2 KW & 25 Nos 1-Ph each 1 KW Domestic Loads to M/s Modi Ventures at Sy.No 93,94,&95, Shakthi Nagar, Mallapur in Nacharam Section of Habsiguda Sub-Division of Habsiguda Division in RRC (N).

Sl. No.	Description	Units	Qty	Rate (Rs.)	Amount (Rs.)
I	Total Cost of the Estimate				
II a)	Less cost of 1st 30.48 Mts.	Mts.	30.48	120	390140
	11 KV Line @ Rs. 120/- per Metre				3658
b)	Less cost of 1 No. 100 KVA CSP DTR + SP Structure+ HG Fuse + AB Switch	Nos.	1	79755	79755
c)	Less cost of				
	i) Energy Meters				
	Single Phase Meters	Nos.	45	602	27090
d)	Less cost of				
	i) 3 Phase 10 - 40 A Energy Meters	Nos.	21	1404	29484
III	Total Expenditure chargeable to CPDCL				139987
				or say	139990
IV	Service line charges to be collected				250150
V	Development charges to be collected	Services	Nos.	Load in KW	Dev. Charges
a)	Domestic @ Rs. 1000/- per KW	3 phase	20	3	60000
		1 phase	20	2	40000
		3 phase Common	1	10	10000
		1 phase	25	1	25000
					135000
VI	Security deposit charges to be collected	Services	Nos.	Load in KW	Sec. Charges
a)	Domestic @ Rs. 200/- per KW	3 phase	20	3	12000
		1 phase	20	2	8000
		3 phase Common	1	10	2000
		1 phase	25	1	5000
					27000
VII	Total charges to be collected				412150


 Superintending Engineer
 Operation Ranga Reddy Circle (North)

Central Power Distribution Company of Andhra Pradesh

REPORT TO ACCOMPANY THE ESTIMATE

1. **GENERAL.** The proposal is for extension of supply to 1 No. 3-Ph 10KW, 20 No's 3-Ph each 3KW, 20 No's S-Ph each 2KW & 25 Nos. S-Ph each 1KW Domestic loads to M/s. Modi Ventures at Sy. No. 93, 94 & 95 Shakti Sai Nagar, Mallapur in Nacharam section.
2. **POINT OF SUPPLY.** Supply to the proposed loads will be extended as shown in the sketch.
3. **MAIN FEATURES.** The proposal involves erection of the following:
 - a. Erection of 0.35KM 11KV line with 55 Sq. mm AAA conductor on 7 Nos 9.1 Mts PSCC pole with a span of 50 Mts.
 - b. Erection of 1 No. 100 KVA Distribution Transformer with necessary Switchgears.
 - c. Erection of metering panel with necessary cables.

4. **POWER TRANSFORMER CAPACITY.** The existing power transformer capacity at 33/11KV Mallapur sub-station is 10 MVA with 2 Nos. 5MVA power transformers.

1	Existing loads	7488 KVA
2	Already sanctioned loads	426 KVA
3	Already proposed loads	426 KVA
4	Now proposed loads	100 KVA

Total 8440 KVA

Demand on the Sub-station with D.F. of 1.5 will be 5627 KVA. Hence the Power Transformer capacity is quite adequate to cater the now proposed load together with the existing loads.

5. **CAPITAL COST AND REVENUE RETURN.** The capital cost of the scheme works out to Rs. ~~68,2478~~ 3,90,140/- and it is self-remunerative.

6. **H.T. REGULATION.** The regulation of 11KV Noma feeder has been calculated and found satisfactory.

Divisional Engineer Electrical
Operation CPDCL Habsiguda,

Asst. Divisional Engineer Electrical
Operation, APCPDCL, Habsiguda

Assistant Engineer
Operation Nacharam
APCPDCL.

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DETAILED ESTIMATE FOR H.T. SYSTEM

Extension of supply to 1 Nos.3-phase each 10 KW, 20 Nos 3-Ph each 3 KW, 20 Nos 1-Ph each 2 KW & 25 Nos 1-Ph each 1 KW Domestic Loads to M/s Modi Ventures at Sy.No 93,94,&95, Shakthi Nagar, Mallapur in Nacharam Section of Habsiguda Sub-Division of Habsiguda Division in RRC (N).

Sl. No.	Particulars	Qty.		Rate (Rs.)		Per	Amount (Rs.)	
				Material	Labour		Material	Labour
O.H. Lines								
1	9.1 Mts. PSOC Poles	7	Nos.	1628	1186	Each	11396	8302
2	11 KV Channel 'X' arms	9	Nos.	330	-	Each	2970	-
5	100 Sq. mm. AAA Conductor	1.05	KM.	22647	3287	KM.	23779	1150
6	11 KV Pin Insulators with pins	21	Nos.	62	-	Each	1302	-
7	11 KV Disc Insulators B & S	6	Nos.	253	-	Each	1518	-
8	Mass Concreting of Poles (Including cost of concrete, sand and cement etc.)	7	Nos.	-	1033	Each	-	7231
10	100 KVA CSP Distribution Transformer 11 KV/433 Volts.	1	No.	67925	2176	Each	67925	2176
11	Single Pole structure with Box Pole of R.S. Joists welded Back to Back. (Including concreting and pit excavation etc.)	1	No.	14520	2644	Each	14520	2644
12	Plinth of standard size and fencing if necessary.	1	No.	-	10000	Each	-	10000
13	Fencing around Transformer	1	No.	-	5500	Each	-	5500
14	Earthing for Transformer (1No. Cast Iron and 2 Nos. GI Pipes)	1	No.	-	4730	Each	-	4730
15	11 KV H.G. Fuse set	1	No.	1230	389	Each	1230	389
16	11 KV AB Switch 200 Amps.	1	No.	4398	848	Each	4398	848
17	Installation of Distr. Box LT/HG fuse sets including Cable connection.	1	No.	5375	600	Each	5375	600
Sub Total Rs.							134413	43570
3% Contingencies							4032	
3% S & H Charges							4032	
Labour & Transport							43570	
10% Estt. General Charges							16605	
Grand Total : Rs.							204653	
Or Say Rs.							204650	

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AC/p

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Superintending Engineer
Operation Ranga Reddy Circle (North)

Central Power Distribution Company of Andhra Pradesh

Operation Ranga Reddy Circle (North)

DETAILED ESTIMATE FOR L.T. SYSTEM

Extension of supply to 1 Nos. 3-phase each 10 KW, 20 Nos 3-Ph each 3 KW, 20 Nos 1-Ph each 2 KW & 25 Nos 1-Ph each 1 KW Domestic Loads to M/s Modi Ventures at Sy.No 93,94,&95, Shakthi Nagar, Mallapur in Nacharam Section of Habsiguda Sub-Division of Habsiguda Division in RRC (N).

Sl. No.	Particulars	Qty.		Rate (Rs.)		Per	Amount (Rs.)	
				Material	Labour		Material	Labour
1	Distribution Cables & Control Boards							
a)	LT-120 Sq. mm. 3 1/2 Core XLPE UG Cable	50	Mts.	215	165	Mts.	10750	8250
2	L.T. Switch gear Installation							
a)	LT Control Panel with 200 A 3-Phase MCB's for incoming cables and outgoing cables	1	No.	5000	500	Each	5000	500
3	L.T. Metering Panels							
a)	L.T. Metering Panel with 200 A 3-Phase MCB's for accommodating 3 Phase meters.	3	Nos.	20000	2000	Each	60000	6000
b)	3 Phase MCB's	21	No.	325	20	Each	6825	420
c)	Single Phase MCB's	45	Nos.	80	10	Each	3600	450
4 a)	3 Phase 10 - 40 A Energy Meter (high quality)	21	No.	1404	65	Each	29484	1365
b)	Single Phase 5-20 A Energy Meters (high quality)	45	Nos.	802	45	Each	27090	2025
Sub-Total Rs.							142749	19010
3% Contingencies							4282	
3% S & H Charges							2585	
Labour & Transport							19010	
10% Estt. General Charges							16863	
Grand Total: Rs.							185489	
Or Say Rs.							185490	

ABSTRACT

Total of H.T.	Rs.	204660
Total of L.T.	Rs.	185490
Total Cost of Estimate Total.	Rs.	390140


 Superintending Engineer
 Operation Ranga Reddy Circle (North)

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Extension of LT Supply to 76 Nos. each 3 KW, 3 phase domestic services, 2 Nos. 5 HP PWS loads and 2 Nos. 1 KW each Street light service to M/s. Mehta & Modi Homes, at Sy. No. 35, 36(P), 37(P), 38(P), 39(P), Cherlapally (V) in Kusaiguda Section in Habsiguda Division in RR District

Detailed estimate for H.T System

Sl.No.	Particulars	Quantity	Rate	Per	Material	Labour
O.H. Lines						
1	PSCC Poles 9.1 M	9 Nos.	1105	E	10485	9900
2	8 Mts. Stud Poles	2 Nos.	643	E	1286	1350
3	55 Sqmm AAA Conductor	1.08 KM	20798	KM	22462	1026
4	Back Clamps	12 Nos.	183	E	2196	
5	11 KV 'V' Cross Arms	12 Nos	51	E	612	
6	11 KV Pin Insulators with pins	24 Nos	51	E	1224	
7	11 KV Discs insulators B & S	11 Nos.	249	E	2739	
8	Concreting of poles & stay sets	11 Nos.	300	E	3300	
Distribution Transformer Switchgear						
9	11 KV A.B Switches	2 Nos	4039	E	8078	1260
10	11 KV H.G Fuse sets	2 Nos	875	E	1750	600
11	11 KV/433 V, 160 KVA Distribution Transformer	2 Nos.	95763	E	191526	4620
12	Single Pole structure with Box Type R.S. Joist Pole	2 Nos.	15810	E	31620	3600
12	Plinth for transformer	2 Nos	3500	E	7000	1000
14	Fencing around T/F	2 Nos	5000	E	10000	1000
15	L.T Distribution box with self stand with 200A 3 Phase MCB for incoming and 5 Nos. 63 A SFU's for outgoing with 200 A bus bar capacity with connected cable etc.,	2 Nos	30,000	E	60000	6000
					354278	30356

3% Contingencies	10628
3% S & H Charges	10024
Add Labour & Transport	30356
10% Estt. & Gen charges	35428
Total	440714

Abstract:	
H.T System (Rs.)	440714
L.T. System (Rs.)	575316
Total (Rs.)	1016031
or say Rs. 10,16,030/-	

Extension of LT Supply to 76 Nos. each 3 KW, 3 phase domestic services, 2 Nos. 5 HP PWS loads and 2 Nos. 1 KW each Street light service to M/s. Mehta & Modi Homes, at Sy. No. 35, 36(P), 37(P), 38(P), 39(P), Cherlapally (V) in Kusahaiguda Section in Habsiguda Division in RR District

Detailed estimate for L.T System

Sl.No.	Particulars	Material		Material	Labour
		Quantity	Rate (Rs.)	Per (Rs.)	(Rs.)
1	LT 3 1/2 core 120 Sq. MM XLPE U.G Cable	100 Mts.	202	Mt.	20200
2	LT 3 1/2 core 70 Sq. MM XLPE U.G Cable	590 Mts.	125	Mt.	73750
3	LT feeder Piller boxes with 200A MCB for incoming and 10 Nos. 15 A Fuses for outgoing circuit with 200A busbar capacity along with sealing provision & tapping for LT Cables etc.,	10 Nos.	8000	Each	80000
4	LT 4 core 10 Sq. MM U.G Cable	670 Mts.	67	Mt.	44890
5	Supply & erection of 8 M drum tubular poles single arm brackets of 2 Mts. long and junction boxes out and G.P. Pipe length of 2 Mts. length from ground level to junction box and bolts & nuts etc.,	12 Nos.	3500	Each	42000
6	LT 2 core 10 Sq. MM U.G Cable for street lights	530 Mts	62	Mt.	32860
7	LT 3 Phase Metering Equipment	76 Nos.	1404	Each	106704
8	Metering Equipment for street lights	2 Nos.	1296	Each	2592
9	PWS metering equipment 5 HP including PP Box etc.,	2 Nos.	3819	Each	7638
SubTotal					410634
					98980

3% Contingencies	12319
3% S & H Charges	12319
Add Labour & Transport	98980
10% Estt. & Gen charges	41064
Total	575316

Extension of LT Supply to 76 Nos. each 3 KW, 3 phase domestic services,
 2 Nos. 5 HP PWS loads and 2 Nos. 1 KW each Street light service to
 M/s. Mehta & Modi Homes, at Sy. No. 35, 36(P), 37(P), 38(P), 39(P), Cherlapally (V) in Kushaiguda
 Section in Habsiguda Division in RR District

S.L.Charges & Development Charges statement

1. Cost of the estimate		Rs.	1016030
2. Less Credits:			
Less cost of 1st 30.48 Mts. @ 120/-/Mt		Rs.	3658
Less cost of T/fs, Swithchgear & S.P Structure		Rs.	232974
Less cost of meters		Rs.	110716
Sub - Total	Rs.	Rs.	347348
3. Service line charges to be collected		Rs.	668682
			or say Rs. 6,68,680/-
4. Development charges to be collected:			
a) Domestic service 3 Phase 3 KW	76 X 3 KW X 1000	Rs.	228000
b) Street light services 12 X 150 W (Say 2 KW)	2 X 1 X 2000	Rs.	4000
c) PWS 3 Phase 5 HP	2 X 5 X 1500	Rs.	15000
Total		Rs.	247000
5. Total amount to be collected		Rs.	915680

