

**Tata Power Delhi Distribution Limited**



**TATA POWER-DDL**

**True up of FY 2013-14**

**And**

**ARR for FY 2015-16**

**Volume II**

CAPITAL INVESTMENT PLAN FY 2015-16

# CAPITAL INVESTMENT PROPOSED FOR FY 2015-16



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To achieve the anticipated load growth and targeted AT&C loss reduction, TPDDL has carried out a detailed analysis of capital investment required for next year. The analysis is based on various technical and physical audits carried out by TPDDL staff followed by discussions at various levels and review by senior management.

TPDDL Capex Plan, which is explained later in the chapter, is worked out after amalgamating the requirement at various levels. The total capital investment required at TPDDL for the FY 2015-16 is estimated at Rs. 420 Cr.

The deployment of capital investment is proposed under the following benefit centers:

1. Growth Development Plan to meet the load growth
2. AT&C loss reduction
3. System Reliability Improvement
4. Creation of infrastructure facilities & administrative buildings

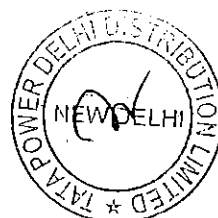
For each of the above benefit centers, the investment has been broken into the following sub-centers:

**1. AT&C loss reduction**

- a. Meter Replacement
- b. LT Bare to LT ABC Conversion

**2. System Reliability Improvement**

- a. Automation
- b. New Technologies
- c. Safety related
- d. 11 kV Sick Cable Replacement
- e. 11 kV System Improvement



- f. Protection & Testing
- g. EHV Improvement

**3. Growth Development Plan to meet the load growth**

- a. New grid sub-station
- b. Augmentation of existing grids
- c. Augmentation of EHV Network
- d. Augmentation of 11 kV network
- e. New Meters
- f. LT Works

**4. Creation of Infrastructure Facilities & Administrative Buildings.**

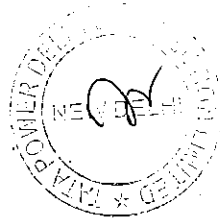
- a. Administrative Buildings
- b. Civil Infrastructure
- c. Information Technology



TARGET AREA-WISE DISTRIBUTION OF CAPEX:

For improving the performance of TPDDL in terms of meeting the load growth, reduction of AT&C losses and reliability of supply, a detailed Capital Investment Plan has been worked out for the FY 15-16. The Capex Plan proposes an investment of Rs. 420 Crores. The deployment of Capex is proposed under the following four benefit centers:

Load Growth	:	Rs. 221 Crores
AT&C Loss reduction	:	Rs. 40 Crores
Reliability	:	Rs. 137 Crores
Administration and Infrastructure	:	Rs. 22 Crores



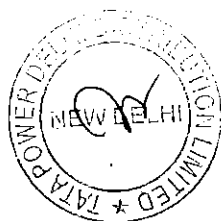
**CAPITAL INVESTMENT PLAN FY 2015-16**

**CAPEX PLAN 15-16**

Budget Head	Sub-categories	Estimate Rs Cr)
<b>AT&amp;C Loss Reduction Schemes</b>	Meter Replacement	30.00
	Replacement of LT Bare conductor to LT ABC	10.00
<b>SUBTOTAL-AT&amp;C Loss Reduction Schemes</b>		<b>40.00</b>
<b>Reliability Improvement Schemes</b>	Automation Implementation	7.50
	New Technologies(GIS, Communication, OMS & Smart Feeder)	104.00
	Safety Related	15.00
	11 kV Sick Cable Replacement	8.00
	Protection & Testing Instruments	2.00
	11 kV System Improvement	0.50
<b>SUBTOTAL-Reliability Improvement Schemes</b>		<b>137.00</b>
<b>Load Growth Schemes</b>	New Grid Substations excluding Deposit Works	
	66 & 33 kV Lines & Cables	116.59
	66 & 33 kV Addition/Augmentation of Bays/Transformers	
	11 kV system Augmentation works	60.00
	New Meters	44.00
	LT Works	0.41
<b>SUBTOTAL-Load Growth Schemes</b>		<b>221.00</b>
<b>Infrastructure Development Schemes</b>	Civil Infrastructure Projects	2.00
	Information Technology	10.00
	Administration support	10.00
<b>SUBTOTAL-Infrastructure Development Schemes</b>		<b>22.00</b>
<b>GRAND TOTAL</b>		<b>420.00</b>

Note:

1. Capital Investment for deposit works will be as per requirement.
2. Above Capital Investment does not include IDC.

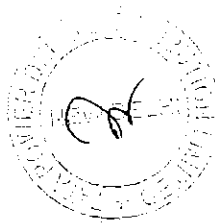


**CAPITAL INVESTMENT PLAN FY 2015-16**

**1. CAPEX FOR AT&C LOSS REDUCTION**

TPDDL has planned for an investment of Rs 40 Cr for AT&C Loss Reduction.  
The investment has been proposed for the following:

Budget Head	Sub-categories	Estimate Rs Cr)
AT&C Loss Reduction Schemes	Meter Replacement	30.00
	Replacement of LT Bare conductor to LT ABC	10.00
SUBTOTAL-AT&C Loss Reduction Schemes		40.00





## a. REPLACEMENT OF METERS

Some of the existing meters are required to be replaced for the following reasons:

- Meters booked under enforcement
- Faulty/Burnt meters
- Temper prone meters.

The details of Meter replacement in FY 15-16 is as under:

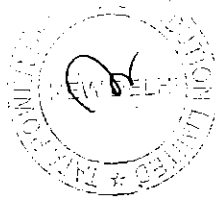
It has been proposed to invest Rs 29.52 Crores under this head. The details are as per the table below.

S No.	Material/Service	Material/Services Code	Quantity	Unit	Rate	Cost
1	SP Meter	MATERIAL	68000	EA	960.00	65280000.00
2	3 PH METER	MATERIAL	9000	EA	2500.00	22500000.00
3	100/5 LT CT	MATERIAL	1854	EA	2600.00	4820400.00
4	200/5 LT CT	MATERIAL	2092	EA	2600.00	5439200.00
5	HT CT	MATERIAL	520	EA	19800.00	10296000.00
6	2 x 10 CABLE	MATERIAL	316000	M	45.13	14261080.00
7	2 x 25 CABLE	MATERIAL	62040	M	67.20	4169088.00
8	4 x 25 CABLE	MATERIAL	60000	M	103.29	6197400.00
9	4 x 50 CABLE	MATERIAL	14000	M	153.34	2146760.00
10	4 x 95 CABLE	MATERIAL	24000	M	279.22	6701280.00
11	4 x 150 CABLE	MATERIAL	18000	M	447.05	8046900.00
12	SP3W BUSBAR	MATERIAL	1872	EA	909.97	1703463.84
13	3P3W BUSBAR	MATERIAL	398	EA	2445.00	973110.00
14	3P8W BUSBAR	MATERIAL	680	EA	2445.00	1662600.00
15	SP BOX	MATERIAL	41040	EA	249.68	10246867.20
16	LT CT 100/5 BOX	MATERIAL	1854	EA	5275.00	9779850.00
17	LT CT 200/5 BOX	MATERIAL	2092	EA	5275.00	11035300.00
18	MODEM	MATERIAL	15866	EA	2569.00	40759754.00
19	CORD	MATERIAL	15866	EA	114.62	1818560.92
20	PP BOX	MATERIAL	5850	EA	624.13	3651160.50
21	SP METER REPL	SERVICES	68400	EA	319.01	21820284.00
22	PP METER REPL	SERVICES	9200	EA	343.99	3164708.00
23	LT CT METER REPL	SERVICES	3946	EA	1306.81	5156672.26
24	HT CT METER REPL	SERVICES	520	EA	1009.80	525096.00
25	REPL. OF BUS BAR ( SP 3 WAY / 4 WAY )	SERVICES	0	EA	227.97	0.00
26	REPL. OF BUS BAR ( 3P 3 WAY / 7 WAY )	SERVICES	0	EA	319.16	0.00
27	REPL. OF BUS BAR ( 3P 8 WAY / 10 WAY )	SERVICES	0	EA	455.94	0.00
28	REPL 2 x 10 CABLE	SERVICES	24307.69	EA	433.46	10536412.31
29	REPL 4 x 25 CABLE	SERVICES	4615.385	EA	470.92	2173476.92



**CAPITAL INVESTMENT PLAN FY 2015-16**

S No.	Material/Service	Material/Services Code	Quantity	Unit	Rate	Cost
30	REPL 4 x 50 CABLE	SERVICES	1076.923	EA	727.79	783773.85
31	REPL 4 x 95 CABLE	SERVICES	1846.154	EA	1027.47	1896867.69
32	REPL 4 x 150 CABLE	SERVICES	1384.615	EA	1027.47	1422650.77
33	REPL OF CT-PT/CUBICLE	SERVICES	225	EA	6139.13	1381304.25
34	PREPAID METER 1P 10-60A (P.N)	MATERIAL	400		4000.00	1600000.00
35	PREPAID METER 3P 20-80A (P.N)	MATERIAL	200		9000.00	1800000.00
36	SEAL	MATERIAL	929616		3.14	2918994.24
37	CT PT UNIT 11KV RATIO 100/5A 3PH	MATERIAL	10	EA	36137.00	361370.00
38	CT PT UNIT 11KV RATIO 15/5A 3PH	MATERIAL	50	EA	36137.00	1806850.00
39	CT PT UNIT 11KV RATIO 150/5A 3PH	MATERIAL	20	EA	36137.00	722740.00
40	CT PT UNIT 11KV RATIO 30/5A 3PH	MATERIAL	40	EA	36137.00	1445480.00
41	CT PT UNIT 11KV RATIO 300/5A 3PH	MATERIAL	20	EA	36137.00	722740.00
42	CT PT UNIT 11KV RATIO 60/5A 3PH	MATERIAL	10	EA	36137.00	361370.00
43	METERING CUBICLE 11KV 100/5A	MATERIAL	10	EA	41475.44	414754.40
44	METERING CUBICLE 11KV 15/5A	MATERIAL	5	EA	41475.44	207377.20
45	METERING CUBICLE 11KV 150/5A	MATERIAL	10	EA	41475.44	414754.40
46	METERING CUBICLE 11KV 30/5A	MATERIAL	20	EA	41475.44	829508.80
47	METERING CUBICLE 11KV 300/5A	MATERIAL	5	EA	41475.44	207377.20
48	METERING CUBICLE 11KV 60/5A	MATERIAL	20	EA	41475.44	829508.80
49	METERING CUBICLE 11KV 75/5A	MATERIAL	5	EA	41475.44	207377.20
<b>TOTAL</b>						<b>295200222.75</b>



## b. REPLACEMENT OF LT BARE CONDUCTOR TO LT ABC

TPDDL envisages an investment of Rs 10 Crores on LT

S No.	Proposal (Brief Description)	Estimated Cost (Rs Cr)
1	LT schemes at various locations	10
2	Insulation Paint-LV to curb the direct theft from LT Busbars and for providing insulation coating to LT steel tubular poles in JJ clusters area to prevent Electric shock.(300 litres)	0.05
3	Installation of fixed Pole cap on DT with Low Power factor to the tune 3000kVAR	0.15
	<b>TOTAL</b>	<b>10.20</b>



## 2. CAPEX FOR RELIABILITY IMPROVEMENT

TPDDL proposes to further strengthen the network, introduce new technologies to enhance customer satisfaction in terms of safe and reliable supply of electricity. To achieve this same an investment of Rs. 137 Cr has been proposed.

Budget Head	Sub-categories	Estimate Rs Cr)
Reliability Improvement Schemes	Automation Implementation	7.50
	New Technologies(GIS, Communication, OMS & Smart Feeder)	104.00
	Safety Related	15.00
	11 kV Sick Cable Replacement	8.00
	Protection & Testing Instruments	2.00
	11 kV System Improvement	0.50
SUBTOTAL-Reliability Improvement Schemes		137.00

*Note: We have already proposed CAPEX Budget of INR. 25.95 Crores and INR. 57.45 Lakhs for the FY2014-2015 for Automation and Protection & Testing Group respectively. The schemes submitted for DERC Approval in the FY2014-2015 are not considered again for budgeting purpose in 2015-16 as these schemes are under consideration.*



# CAPITAL INVESTMENT PLAN FY 2015-16

## a. AUTOMATION IMPLEMENTATION

Following works are proposed to be done during FY 2015-16 for an estimate of Rs 7.50 Cr:

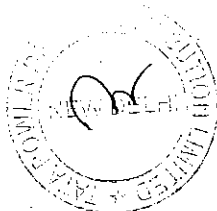
S No.	Proposal (Brief Description)	Estimated Cost (Rs)
1	RTU Intelligence for De-centralized automation	0.15
2	IED Replacement (HAIL & Areva Grids)	2
3	IED Replacement (ABB Grids on different protocol)	2
4	Communication Infrastructure for DA on 3G/RF	2.5
5	Implementation of SNMP	0.1
6	Replacement of Batteries in DA	0.3
7	RTU Accessories	0.45
TOTAL		7.50



## b. NEW TECHNOLOGIES (GIS, COMMUNICATION, OMS &amp; SMART GRID)

Following works are proposed to be done during FY 2015-16 for an estimate of Rs 104.42 Cr.

S No.	Proposal (Brief Description)	Estimated Cost (Rs Cr)	Scheme No./Notification No. if any
1	Implement a simple MWM solution (Mobile Workforce solution) for zonal staff to use.	0.2	
2	Advanced Metering Infrastructure (AMI) / Meter Data Management (MDM) and Enterprise integration with Enterprise Service Bus (ESB)	79.25	AU/T0000/00002
3	Field Force Automation / Mobile Workforce Management	5.23	AU/T0000/00005
4	Business Intelligence & Data Analytics	14.34	AU/T0000/00004
5	Integrated Communication Technologies	5.4	AU/T0000/00003
	<b>TOTAL</b>	<b>104.42</b>	



## c. SAFETY RELATED

TPDDL proposes following works:

S. No.	Proposal (Brief Description)	Estimated Cost (Rs. Cr)
1	Installation of Fire Protection System in the buildings - Cancare, CRD Bahargarh, SKN & Corp. Office.	1.99
2	Purchase of new Fire Extinguishers and replacement of old fire extinguishers (age 10 years)	0.40
3	One van with Proper tools and PPE with built in escalable ladder for each zone (48)	3.84
4	Replacement of old fire alarm system (beyond 8 years) with new advanced and intelligent fire alarm and detection system.	1.00
5	Creation of e-module on O&M of Distribution Transformer, Switchgear, etc.	0.10
6	Procurement & Installation of 11 kV, 4 way (2 Breakers + 2 LBS) CGL make Ring Main Unit to be installed at Hands- on Technical Training Center at Cenpeid	0.04
7	Develop / buy good safety movies covering key aspects of safety	0.02
8	Insulation Paint-MV to curb the tripping due to transient fault in 11kV overhead lines.(200 litres)	0.04
9	Hooter/anti theft device for transformer	0.03
10	Safety proposal - DOG conductor from MCD compost plant to swaroopnagar is under the nallah and are not safe and difficult to maintain. Hence shifting of the same is proposed.	1.25
11	Replacement 630 KVA DT-2 with Dry Type Transformer at CSA for safety reason as VT centre is running from the Substation.	0.23
12	Micellaneous Proposals including NIDS, NGR, Battery Bank-System Scheme	10
	<b>TOTAL</b>	<b>18.94</b>

**BUDGET WILL BE LIMITED TO RS 15 CR.**



## d. 11 KV SICK CABLE REPLACEMENT

Following works are proposed to be done during FY 2015-16:

SNo.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
1	MGP	Sick cable replacement (3CX150 sqmm PILCA) B-3 blk mangal bazar pss to C-9 s. puri	0.69
2	MGP	Sick cable replacement (3CX150 sqmm PILCA) S- BLK M. PURI TO U-blk m. puri ( bhagwan dass walas/stn.)	0.38
3	MGP	Sick cable replacement (HT ABC -3CX150sqmm) HVDS RAJ PARK	0.13
4	MGP	Sick cable replacement (HT ABC-3CX150sqmm) HVDS E-7 BLK.S. PURI	0.22
5	KPM	Replacement of Sick Pilca from SAHAZADABAGH TO NEW SHANTINAGAR	0.42
6	KPM	Replacement of Sick Pilca from Wazirpur-1 to KD Bik	0.95
7	KPM	Replacement of Sick HT ABC with XLPE from Ashok Vihar Grid to SFS No. 2 (Jhari Wala)	0.63
8	KPM	Replacement of Sick 1CX150 Sq.mm HT ABC for A,B,C,D,E,F,G,H,I,J,K & L Blk JJ colony (HVDS)	0.21
9	KPM	Sick cable replacement from WZP-2 to community centre	0.89
10	KPM	Replacement of cable between Aryabhata to SL Jain	0.40
11	BWN	Proposed sick cable replacement 220 kv grid kanjhawala to kanjhawala kiosk	1.00
12	NRL	Sick cable replacement New Sanath Colony-200 meter 150 sq mm	0.04
13	NRL	Krishan Colony-300Meter ( 3 phase) 150 sq mm+ 200 meter single phase-95 sq mm.	0.05
14	BDL	Sick cable replacement GALI NO-2 & 3 RAJIV NAGAR	0.00
15	BDL	Sick cable replacement HVDS RITHALA ROAD " HVDS 43"	0.04
16	BDL	Sick cable replacement BADLI GRID TO DTU 4	0.05
17	BDL	Sick cable replacement S/S BADLI WALA TO S/S POOTH ROAD	0.13
18	RHN	REPLACEMENT OF ABC 3X95 BY 3X400 CABLE FROM RG-1 TO NDPL OLD DISPENSARY S/S DUE TO CLUSTER OF JOINTS, MAIN BACKFEEDING SOURCE FOR EXPRESS CONSUMER- JAIPUR GOLDEN HOSPITAL.	0.20
19	RHN	REPLACEMENT OF PILCA CABLE TO XLPE FROM CHUNABHATI TO 1/4 S/S DUE TO PILCA CABLE IS OLD AND DERATED AND CLUSTER OF JOINTS IN CABLE	0.25
20	RHN	HT ABC SECTION B/W S/S NO-4 VIJAY VIHAR PHASE-1 TO BADI MASZID VIJAY VIHAR PHASE-1 NEEDS REPLACEMENT DUE TO SICK CABLE	0.07
21	RHN	HT ABC BETWEEN RG-24 GRID TO 4/24 O/D S/S TO BE REPLACED DUE TO SICK CABLE	0.08
22	RHN	CONVERSION OF 3X150 XLPE CABLE TO 3X400 XLPE CABLE FROM S/S 3/9 to Rishi S/S DUE TO SICK CABLE AND NO OF JOINTS	0.47
23	RHN	CONVERSION OF 3X300 PILCA TO 3X400 XLPE CABLE FROM KAMDHENU S/S TO NAVYUG S/S DUE TO SICK CABLE AND NO OF JOINTS	0.13
24	RHN	CONVERSION OF 3X300 PILCA TO 3X400 XLPE CABLE FROM AMBIKA S/S TO SITA S/S DUE TO SICK CABLE AND NO OF JOINTS	0.26
25	SMB	SSI-2 to Shakti Bhog	0.16





# CAPITAL INVESTMENT PLAN FY 2015-16

SNo.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
26	SMB	Sick cable replacement from SMA 5 to SMA 4	0.63
27	SMB	Replacement of SICK CABLE HT ABC from C-blk (Old Zonal office) to ITI (I/D).	0.16
28	SMB	H block Dispensary to Shah Alam Bandh UG cable approx.. 475 mts	0.31
29	SMB	Replacement of SICK CABLE Machilii wala s/stn to C 50 UG cable approx.. 300 mts	0.19
30	SMB	Replacement of SICK CABLE from C-blk (Old Zonal office) to K1 BLK MLA (K) anlong with a 3 way atC-blk (Old Zonal office)S/Stn	0.19
31	SKN	Replacement of Sick Pilca BG Road to CSA	1.22
32	SKN	Sick cable replacement from R.R Grid to Amar Park (ABC Part of Cable)	0.08
33	CVL	Sick cable replacemnt New police line kiosk to Khosla cold Store	0.07
34	CVL	Sick cable replacemnt C. C. Colony I/D to Khatik Basti	0.05
35	CVL	Sick cable replacemnt Khatik Basti To Gurmandi Ganda Nala	0.02
36	CVL	Sick cable replacemnt Sludge Pump to MCD school P/M	0.03
37	CVL	Sick cable replacemnt Tripolia to Old Gupta Colony	0.12
38	MDT	Sick cable replacement from Bijlee Appt to PD Vihar	0.83
39	MDT	Sick cable replacement from Rameshwar Nagar to MCD Jheel Colony NO-1	0.22
40	MTN	Sick cable replacement from Rama Road Grid to Motinagar Kiosk.	0.63
41	MTN	Sick cable replacement from Namdhari to A blk Kirti Nagar (HT ABC)	0.09
42	MTN	Sick cable replacement from Y Block I/D to Y Block Park	0.24
43	MTN	Sick cable replacement from KK No. 2 to Y Blk Park	0.44
44	MTN	Sick cable replacement from G-blk to Z-blk Ioha mandi	0.60
45	MTN	Sick cable replacement from Raja Garden - Rajdhani	0.14
46	MTN	Sick cable replacement from Chuna Bhatti - 2/23	0.19
47	MTN	Sick cable replacement from INDER PURI GRID to KVS S/S	0.15
48	MTN	Sick cable replacement from MAFAT LAL TO 6 BLOCK MOTHER DAIRY S/STN	0.13
TOTAL			14.52

**BUDGET WILL BE LIMITED TO RS 8 CR.**



## e. PROTECTION AND TESTING INSTRUMENTS

Following works have been proposed during FY15-16.

S No.	Proposal (Brief Description)	Estimated Cost (Rs Cr)
1	Procurement of Testing Equipments, CT Analyzer & Secondary Injection Kit	0.15
2	Replacement of VIP35 Relays with VIP300 & Retrofitting of ABB/Schneider make Relays with WIP1	0.15
3	Retrofitting of advanced Relay in secondary Distribution Network for better reliability indices	0.05
4	Power Analyser	0.05
5	Two FLC Van for Cable fault Location	2.60
6	New Fequipment for Cable Route Tracing & identification	0.12
7	2 Set Digiphone for cable fault pinpointing	0.01
8	1 Vacuum pump for SF6 Gas Evacuation & refilling	0.15
9	Primary injection kit fot LT ACB	0.05
10	Contact resistance meter	0.02
11	Metering instument and testing kit	0.10
12	two no impact wrench is reqd. for DT repair at transformer workshop.	0.01
13	New oil filtration m/c reqd. for faster repair of DTs and will be as a standby.	0.08
14	2 Nos. of Hand Operated Pallet lift Truck for movement of small transformers	0.02
15	Water content testing Instrument for transformer oil	0.02
16	Power frequency withstand test set up-28Kv	0.07
17	Digital Megger-5kv	0.03
18	Transformer rewinding machines (HV & LV)	0.05
19	transformer winding resistance meter	0.02
20	Induced over voltage test (DVDF)	0.04
TOTAL		3.78

BUDGET WILL BE LIMITED TO RS 2 CR.



## f. SYSTEM IMPROVEMENT

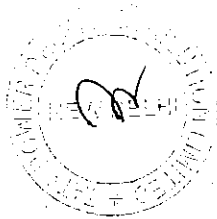
S NO.	Proposal (Brief Description)	Estimated Cost (Rs. Cr)
1	NEW RMU Mechanism & parts -Required for attending RMU complaints	0.30
2	NEW ACB Mechanism & Parts -Required for attending ACB complaints	0.20
TOTAL		0.50



## 3. CAPEX FOR LOAD GROWTH

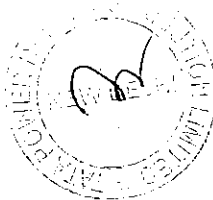
Load Growth Schemes proposals have been categorized into following heads. An investment of Rs 221 Crores has been proposed.

Budget Head	Sub-categories	Estimate Rs Cr)
Load Growth Schemes	New Grid Substations excluding Deposit Works	
	66 & 33 kV Lines & Cables	116.58
	66 & 33 kV Addition/Augmentation of Bays/Transformers	
	11 kV system Augmentation works	60.00
	New Meters	44.00
	LT Works	0.41
SUBTOTAL-Load Growth Schemes		221.00



## a. NEW GRID SUBSTATIONS EXCLUDING DEPOSIT WORKS

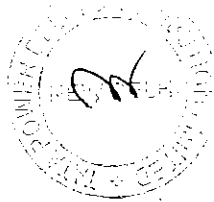
S NO	Proposal (Brief Description)	Estimated Cost (Rs Cr)
1	Proposed 66/11kV GIS Budh Vihar Grid with infeed circuits - LILO of RG-23 to RG-2 Ckts	34.11
2	Proposed 66/11kV GIS Karala Grid with 2 Ckts from 220kV Kanjhawala and 2 Ckts from Proposed RG-34 Grid	53.58
3	Proposed 66/11kV GIS Burari Grid with 2 Ckts from 220kV Gopal Pur and 2 Ckts from Bhalswa-1 Grid.	53.58
4	Construction of 33/11 kV Bhargarh Grid with 2x25 MVA PTR and LILO of existing 220 Subzimandi-Shakti Nagar Ckt	19.6
5	Construction of 33/11 kV LRIA Grid with 1x25 MVA PTR and LILO of Ashok Vihar-Rampura Ckt	13.25
	<b>TOTAL</b>	<b>174.12</b>



## b. 66 &amp; 33 KV ADDITION/AUGMENTATION OF BAYS/TRANSFORMERS

An investment of Rs 11.94 Crores has been proposed under this head. The brief details of proposals are as under.

S. NO.	Proposal (Brief Description)	Estimated Cost (Rs Cr)
1	Installation of new 66/11 kV 25 MVA 3rd PTR at Bawana-1 Grid	6.09
2	Installation of new 33/11 kV 25 MVA 3rd PTR at Gulabi Bagh Grid	5.85
	<b>TOTAL</b>	<b>11.94</b>



## c. 66 &amp; 33 KV LINES &amp; CABLES

Following scheme has been planned to meet the anticipated load growth for an estimate of Rs 61.57 Cr.

S NO.	Proposal (Brief Description)	Estimated Cost (Rs Cr)
1	66kV Mundka to MP-1 Ckt-2.	25.56
2	Conversion of Single cable of 33 kV circuit 220 Subzimandi-Shakti Nagar to twin cable and installation of 33 kV GIS panels at Shakti Nagar Grid	6.25
3	New 33 kV twin cable circuit between Tripolia & Shakti Nagar Grid	1.5
4	Conversion of Single cable of 33 kV circuit Gulabi Bagh-Shahzada Bagh to twin cable and swapping of 33 kV I/C WZP-3 Ckt with Rohtak Road Ckt at Shahzada Bagh Grid	1.65
5	Conversion of Single cable of 33 kV circuit Rewari Line-Payal to twin cable	0.75
6	New 33 kV twin cable circuit between Saraswati Garden & Sudarshan Park Grid and clubbing of existing Rewari Line-Saraswati Garden Ckt-1 & Ckt-2(T-Off) at both ends.	3.5
7	Swapping of 33 kV O/G DLF Kirti Nagar Ckt with U/G Shahzada Bagh Ckt at Rohtak Road Grid	0.15
8	Swapping of 33 kV I/C WZP-2 Ckt-1 with T-Off AZP-Trinagar Ckt at WZP-1 Grid	0.15
9	Swapping of 33 kV I/C Naraina Ckt-2 with Pusa Ckt at Inderpuri Grid	0.15
10	Shifting of Tigi Pur circuit to 33kV Panel-3 and shifting of 220kV Narela circuit on 25MVA PTR Bus at AIR Khampur Grid	0.15
1	D/C 66kV PP-3 to MP-2	21.76
	<b>TOTAL</b>	<b>61.57</b>

FOR a, b, c: THE BUDGET WILL BE LIMITED TO RS 117 CR



## d. 11 KV SYSTEM AUGMENTATION WORKS

The brief details of proposals are as under.

S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
1	MGP	Replacement of PILCA-300 cable from S/STN.NO-24 TO S/STN.NO-29 (342M)	0.23
2	MGP	Replacement of PILCA-300 cable from S/STN. NO-32 to S/STN. NO-30 (155m)	0.10
3	MGP	Replacement of PILCA-300 cable from S/STN-15 to S/STN -17(954M)	0.63
4	MGP	Proposed Additional 160KVA P/M DT to be installed near C-BLOCK NO-2 P/M(250KVA DT)	0.08
5	MGP	New feeder to Majra (K) Substation with 4 way I/D RMU (Approx. 3000 m route length)	1.92
6	MGP	New Interconnector proposed from T-OFF from Sub feeder A-2 SULTANPURI TO PSS C-8 DSIDC SHED (LILIO will be done near LT Pole no-518-43/7) to Work Center-1 Sultanpuri I/D Substation with one 3 way I/D and one 3 way O/D RMU.( Approx. 1000 m route length)	0.71
7	MGP	3 Way O/D RMU proposed at UT BLK PSS	0.04
8	MGP	Proposed new 250KVA DT near to SULTANPUR MAJRA-5 DT S/S location to mitigate Sultanpur majra no-5(990KVA DT) & Sultanpur majra no-6 (630KVA DT) overloading simultaneously	0.13
9	MGP	Proposed new 400KVA DT with GO switch at sultanpur majra -1 DT (630KVA)location	0.21
10	MGP	Proposed augmentation of PKT-13 SEC-21 P/M S/S 250KVA DT to 400KVA DT with GO switch	0.15
11	MGP	Proposed augmentation of O & P BLK KRISHAN VIHAR DT-2 P/m 400KVA DT to PL/m 630KVA DT with 4 W RMU O/D	0.32
12	MGP	Proposed augmentation of MANGERAM PARK P/M 400KVA DT to PL/m 630KVA DT with 3W O/D RMU	0.29
13	MGP	Proposed augmentation of Budh vihar Ph-1 S/S no-1 O-18 P/m 315KVA DT to PL/M 400KVA DT with 4W O/D RMU	0.23
14	MGP	Proposed additional 250KVA DT in Krishan vihar no-5 S/S	0.13
15	MGP	Proposed augmentation of PKT-1 SEC-21 S/S-1 from 250KVA DT to 400KVA PL/M DT with GO switch	0.15
16	MGP	Proposed additional 250KVA DT in MANGERAM PARK EXTN. GADDA NO.2	0.13
17	MGP	Proposed augmentation of BEGUM VIHAR P/M S/S 250KVA DT to 400KVA DT with 3W RMU O/D	0.19
18	MGP	Proposed augmentation of SATSANG BHAWAN 315KVA P/m DT to 400KVA PL/M DT. 4 W O/D RMU proposed in Budh vhr Ph-1 O-18 S/S will control this satsang bhawan DT	0.23
19	MGP	New Interconnector along with 3-WAY(I/D) RMU proposed from D-4 SEC-20 S/S to POOTHKALAN S/S NO-5 (O/D).( Approx. 600 m 3x400 XLPE)	0.42
20	MGP	3-WAY(O/D) RMU required for PKT-11 SECT-21 FDR-1	0.04
21	MGP	One No. 3-WAY(I/D) RMU required at Begumpur S/S (Approx. 33 amps of Load will be shifted to RMU near RG-22 Grid feeder from BEGUMPUR S/S SEC-22 RHN feeder)	0.04
22	MGP	One No. 4-WAY(I/D) RMU required at PKT-12 SECT-22 S/S.	0.05
23	MGP	3-WAY(O/D) RMU required for controlling of Rajiv Nagar D-BLK HVDS.	0.04
24	MGP	One 3 way O/D RMU has been proposed to separate Ramesh wala-1 & RST Block DT	0.04
25	MGP	One 3 way O/D RMU has been proposed near pole no-HT523-8/25	0.04
26	MGP	One Interconnector from Y-BLK chandela to Singh Enclave 630 KVA DT. Approx. 160 m section length with one 3 way O/D RMU	0.07
27	MGP	One No. 3-WAY(O/D) RMU required near Pole No-HT523-19/15-16-17	0.04
28	MGP	Proposed new 250KVA DT near to this location Gaurav nagar-2	0.13





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S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
29	MGP	Proposed new 250KVA DT at Hari enclave SPD(630kva dt)	0.13
30	MGP	Proposed new 250KVA DT near to Inder enclave no-2 DT(400KVA)	0.13
31	MGP	Proposed new 250KVA DT near Bittu wala-1 S/S(630KVA DT)	0.13
32	MGP	Proposed new 160KVA DT near Ramesh enclave DT(400KVA PSS)	0.11
33	KPM	Pilca Approx.1500 mtr between Tri Nagar Talab & Chaudhary Sweets is Sick so instead of replacing this Pilca New Feeder is Proposed from Tri Nagar to Tri Nagar Talab. Existing XLPE Section to be diverted to Telu Ram for	1.15
34	KPM	Replacement of Rohtak Road to Rampura-3 for N-1 mitigation of C-33	0.69
35	KPM	Installation of 400 KVA DT at Chander Nagar to mitigate the overloading of DT-1	0.27
36	KPM	Installation of 630 KVA DT at Mam Chand Park to mitigate the overloading of DT-2	0.42
37	KPM	Divert Tri Nagar Talab feeder from Tri Nagar to Telu Ram with 3 Way RMU to mitigate the N-1 of New Mother Dairy & Telu Ram HVDS.	0.42
38	KPM	RN2C at B-3 Stn to mitigate the Back feeding of RMU No.2 at B-3 S/Stn.	0.05
39	KPM	Replacement of Rampura to C-1 fdr from Pilca To XLPE for mitigation of B-3 fdr From Ashok Vihar	0.56
40	KPM	Cantilever Type GO(Used in COS) for bifurcation of HVDS at G-19.(HT501-23/6)	0.06
41	KPM	Augmentation of 400 KVA to 630KVA at C-4(Mandir wala) to mitigate the overloading.DT to be Swapped with B-2,DT-2	0.32
42	KPM	Replacement of E-Blk Ph-I(AV)from Pilca to XLPE for N-1 mitiofation of E-Blk,Ph-I(WZP-2).	1.13
43	KPM	I/C between Mother Dairy to Deep Bandhu Hospital with 3 way RMU at Mother Dairy.	0.48
44	KPM	Installation of 1-way RMU near HT509-23/41/27 for providing connectivity between HVDS-H(C-94 fdr fdr ), HVDS-B-1(B-32 fdr).	0.05
45	PPR	New feeder from Rani Bagh CC Grid to Community Centre	1.60
46	PPR	Interconnector from section 'Community Centre to C Blk Saraswati Vihar' to 'Shivaji Market substation'	0.02
47	PPR	Replacement of 3 way RMU at Rama Market substation with 4 way RMU O/D RMU and installation of this 3 way RMU at Madhuban Aptt ( Old Panel)	0.08
48	PPR	New feeder from Rani Bagh CC Grid to Siri Nagar Guruwara S/stn	0.98
49	PPR	New feeder from Rani Bagh CC Grid to Road No. 43 via Rajdhani Market	1.34
50	PPR	Interconnector from M blk Shakurpur S/stn to Shakurpur Village S/stn	0.52
51	PPR	New feeder from RBCC to New-Sabzi Mandi , Rishi Nagar	0.60
52	PPR	New feeder from RBCC to CC S/Stn 3	0.36
53	PPR	LILO of section 'Plot No. 5 to Rani Bagh 1' at Mahindra Park Fountain Chowk	0.11
54	PPR	New feeder from RBCC to Rani Bagh Complaint Centre	0.42
55	PPR	Swapping of 11 KV feeder DP POLICE-QUARTERS S/S from Panel no.30 with Local T/R of Panel no.20	0.00
56	PPR	NOP to be changed from GG COLLEGE to SPORTS COMPLEX	0.00
57	PPR	At KU S/S-Swapping of cable for Panel no.7 and 10 to shift the load of 630 KVA DT from KU-SMB to BU SFS Via PU S/S.	0.00
58	PPR	At JP(I/D) S/S-NOP to be shifted to PANEL no.4 instead of Panel no.3 of KP(O/D) to shift the load from SMB-KU to Vaishali feeder.	0.00
59	PPR	Interconnector of approx.600 meters proposed from SU-PARK O/D to CD MARKET S/S with New 4-WAY O/D RMU at CD MARKET to shift the load from QU-2 to SU-PARK feeder	0.46
60	PPR	Additional 400 kVA PSS at Chaupal	0.25



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S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs. Cr.)
61	PPR	Additional 400 kVA DT + 3 way RMU at D block puspanjali Substation	0.25
62	PPR	Additional 400 kVA DT + 3 way RMU in MCD Park near D Block Saraswati Vihar	0.31
63	PPR	Augmentation of 160 kVA DT with 250 kVA at HINDUSTAN PETROLIUM (P/M)	0.13
64	PPR	Additional 400 kVA DT with 3 way RMU at WP Substation	0.25
65	PPR	Additional 630 kVA DT along with 3 way RMU at 'Phoolaram II to Phoolaram I' at Phoolaram Park	0.46
66	PPR	Additional 630 with one 4 way RMU adjacent at Raja Park Substation	0.40
67	PPR	Additional 630 kVA PSS near Mother dairy at Rani Bagh 2 to Mulatni Mohalla section	0.53
68	PPR	New 250 kVA P/M transformer near Rani Bagh 1 S/Stn at section ' Kapil Body -Ranibagh No-01'	0.14
69	PPR	Additional 630 KVA PSS near School, Shakurpur Village	0.53
70	PPR	Additional 400 kVA DT + 04 way RMU with replacement of existing 03 way at Tikona Park	0.25
71	PPR	Additional 630 kVA DT along with one 4 way O/D RMU at Sabzi Mandi Road ( Near pole no. HT 530-14/11) . HT - Trunk section of E Blk JJ Colony feeder	0.53
72	PPR	Additional 400 kVA DT with 3 way RMU at near Ram Mandir, Raj Nagar.	0.25
73	BWN	Interconnector from JJ Colony Sawda No-2 I/D RMU to Pole no- HT533-20/1-2 with 4W RMU O/D	0.16
74	BWN	Proposed new U/G feeder from proposed grid Karala to HT 533-18/3F	1.92
75	BWN	Additional 400 KVA DT Proposed in Capex-15-16 at Bus Stand Nizampur , with HT Extension of approx. 150 ABC Meter	0.23
76	BWN	Additional 100 KVA DT Proposed in Capex-15-16 at Chandpur Kalan , with HT Extension of 100 ABC approx. Meter	0.12
77	BWN	Additional 100 KVA DT Proposed in Capex-15-16 at Garhi Rindhala DT , with HT Extension of approx. 300 UG Meter	0.29
78	BWN	Additional 250 KVA DT Proposed in Capex-15-16 at Ghevra Village Main Stand DT , with HT Extension of approx. 50 o/h Meter	0.13
79	BWN	Additional 400 KVA DT Proposed in Capex-15-16 at Kanjhawla Village No-1 DT , with HT Extension of approx. 200 ABC Meter	0.24
80	BWN	Additional 400 KVA DT Proposed in Capex-15-16 at Kanjhawla Chowk DT , with HT Extension of approx. 50 Meter ABC, it will reduce overloading of kanjahwal package1	0.22
81	BWN	Additional 250 KVA DT Proposed in Capex-15-16 at Mandir Wala Ghevra DT , with HT Extension of approx. 50 ABC Meter	0.14
82	BWN	Additional 400 KVA DT Proposed in Capex-15-16 at Kanjhawla Chowk DT , with HT Extension of approx. 50 Meter ABC, it will reduce overloading of kanjahwal package1	0.22
83	BWN	One Interconnector from sectionalizer Madanpur-Mubarakpur to sectionalizer-rasulpur village t-off	0.15
84	BWN	One New Feeder to Meetha Pani DT from RG-22 grid with 4 w RMU O/D	3.21
85	BWN	One New Feeder to Rambir Wala DT from RG-22 grid 4 w RMU O/D	2.58
86	BWN	Additional 100 KVA DT Proposed in Capex-15-16 at ANAND PUR DHAM PL/M S/S , with HT Extension of approx. 200 ABC Meter	0.13
87	BWN	Additional 100 KVA DT Proposed in Capex-15-16 at BHAGYA VIHAR , with HT Extension of approx. 200 ABC Meter	0.13
88	BWN	Additional 400 KVA DT Proposed in Capex-15-16 at C-BLOCK RAMA VIHAR P/M S/S , with HT Extension of approx. 200 ABC Meter	0.24
89	BWN	Additional 100 KVA DT Proposed in Capex-15-16 at CHOUHAN WALA PL/M S/S , with HT Extension of approx. 100 ABC Meter	0.12



S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
90	BWN	Additional 250 KVA DT Proposed in Capex-15-16 at DADA MANDU NO-1 KARALA , with HT Extension of approx. 300 ABC Meter	0.18
91	BWN	Additional 250 KVA DT Proposed in Capex-15-16 at DURGA MANDIR , with HT Extension of approx. 150 ABC Meter	0.16
92	BWN	Additional 160 KVA DT Proposed in Capex-15-16 at GULAB WALA NO-1 , with HT Extension of approx. 100 ABC Meter	0.13
93	BWN	Additional 250 KVA DT Proposed in Capex-15-16 at INDER ENCALVE P/M S/S , with HT Extension of approx. 150 ABC Meter	0.16
94	BWN	Additional 160 KVA DT Proposed in Capex-15-16 at KARALA NO. 3 P/M S/S , with HT Extension of approx. 250 ABC Meter	0.16
95	BWN	Additional 250 KVA DT Proposed in Capex-15-16 at MADAN PUR FIRNI RAOD P/M S/S , with HT Extension of approx. 300 ABC Meter	0.18
96	BWN	Additional 100 KVA DT Proposed in Capex-15-16 at MEER VIHAR , with HT Extension of approx. 500 ABC Meter	0.18
97	BWN	Augmentation of Frini road from 160 to 400 KVA will mitigate the overloading of MUBARAKPUR BALMIKI MANDIR P/M S/S	0.15
98	BWN	Additional 100 KVA DT Proposed in Capex-15-16 at RANI KHERA BUS STAND , with HT Extension of approx. 150 ABC Meter	0.12
99	BWN	Additional 100 KVA DT Proposed in Capex-15-16 at RANI KHERA SCHOOL P/M S/S , with HT Extension of approx. 100 ABC Meter	0.12
100	BWN	Additional 160 KVA DT Proposed in Capex-15-16 at RANI KHERA SCHOOL P/M S/S , with HT Extension of approx. 400 ABC Meter	0.18
101	BWN	Additional 100 KVA DT Proposed in Capex-15-16 at SAHEED BHAGAT SINGH NAGAR P/M S/S , with HT Extension of approx. 300 ABC Meter	0.15
102	BWN	Additional 160 KVA DT Proposed in Capex-15-16 at SARDARAY WALA KARALA PL/M S/S , with HT Extension of approx. 50 ABC Meter	0.12
103	BWN	Additional 100 KVA DT Proposed in Capex-15-16 at VIDYA PATI NAGAR PL/M S/S , with HT Extension of approx. 100 ABC Meter	0.12
104	BWN	New Interconnector from Sumer Singh DT to BPCL Gaushala DT	0.32
105	BWN	New Interconnector from DARYA PUR NAHAR NO-2 to G.O. Switch at DP HT512-21/29/2/6-HT512-21/29/2/6A .	0.40
106	BWN	One New Feeder to GAS AGENCY NARELA ROAD DT	0.67
107	BWN	New feeder to Ishwar colony I/D S/S	0.98
108	BWN	4 way O/D RMU at 630 kva Shiv Mandir Bawana	0.08
109	BWN	4 way O/D RMU at 630 kva DTC Depot Bawana	0.08
110	BWN	4 way O/D RMU at 630 kva Main stand Bawana	0.08
111	BWN	4 way O/D RMU at 630 kva Shiv Mandir Dariya Pur	0.08
112	BWN	4 way O/D RMU at 630 kva DT-1 & 2 Katewara Village	0.08
113	BWN	Augmentation from 250 KVA to 630 KVA DT with 3 way I/D RMU Proposed in Capex-15-16 of COMPLAINT OFFICE QUTUBGARH , with HT Extension of approx. 50 Meter XLPE	0.37
114	BWN	Augmentation from 400 KVA to 630 KVA DT with No space for 3 way O/D RMU Proposed in Capex-15-16 of AUCHANDI VILLAGE-1 P/M S/S , with HT Extension of approx. Meter	0.19
115	BWN	Augmentation from 250 KVA to 400 KVA DT Proposed in Capex-15-16 of BADRO WALA, AUCHANDI P/M S/S , with HT Extension of approx. Meter	0.15
116	BWN	Proposals for additional 250 KVA DT at Katewara vill -2, With HT Extention of approx. 300M O/H [LOW VOLTAGE]	0.13



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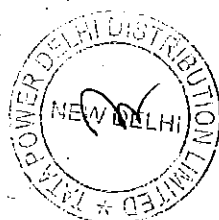
S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
117	BWN	Additional 400 KVA DT Proposed in Capex-15-16 for MAIN BUS STAND BAWANA , with HT Extension of approx. 50 Meter ABC it will mitigate thr vijay nagAR-2	0.22
118	BWN	Augmentation from 250 KVA to 400 KVA DT Proposed in Capex-15-16 of MUNGESH PUR NO-4 HARIJAN BASTI P/M S/S, with HT Extension of approx. 50 Meter	0.15
119	BWN	Augmentation from 250 KVA to 630 KVA DT with NO SPACE FOR 3 way O/D RMU Proposed in Capex-15-16 of COMPLAINT OFFICE QUTUBGARH , with HT Extension of approx. Meter	0.30
120	BWN	Additional 100 KVA DT Proposed in Capex-15-16 of PARK WALA NANGAL THAKRAN PL/M S/S , with HT Extension of approx. 70 ABC Meter	0.11
121	BWN	Augmentation from 250 KVA to 400 KVA DT Proposed in Capex-15-16 of SCHOOL WALA QUTUBGARH P/M S/S , with HT Extension of approx. Meter	0.15
122	BWN	Additional 100 KVA DT Proposed in Capex-15-16 of SOS BAWANA , with HT Extension of approx. 50 ABC Meter	0.10
123	BWN	Additional 400 KVA DT Proposed in Capex-15-16 for SUBZI MANDI KANJHAWALA ROAD PL/M S/S , with HT Extension of approx. Meter	0.21
124	BWN	Additional 400 KVA DT Proposed in Capex-15-16 for MAIN BUS STAND BAWANA , with HT Extension of approx. 50 Meter ABC it will mitigate thr vijay nagAR-2	0.22
125	BWN	Additional 100 KVA DT Proposed in Capex-15-16 for VILLAGE NO-3 BAJIT PUR DADA MALDEV PL/M S/S , with HT Extension of approx. 40 Meter ABC	0.11
126	BWN	One New Feeder to J-BLK- SEC-3 near pole no-HT521-50/36/16/19A-19B(Approx. 3.5 km xlpe) with autoreclosure and sectionaliser	2.32
127	NRL	New Auto Re-closure required for Ibrahimpur feeder.	0.07
128	NRL	New Auto Re-closure required for Alipur-4 feeder.	0.07
129	NRL	New sectionalizer required at Chita Dharam Kanta & Tata Telco T-off(Alipur -1).	0.06
130	NRL	New Sectionalizer required at Kapoor Diesel & Tata Telco T-off(Alipur -2).	0.11
131	NRL	New Sectionalizer required at Rajdhani Dharam Kanta & Seed farm(Alipur -3).	0.06
132	NRL	New Sectionalizer required at Dade Wala T-OFF (11 kV Hirakni feeder).	0.06
133	NRL	New Sectionlizer required at DCM colony	0.06
134	NRL	New 3 Way RMU required at Tivoli for back feeding purpose of Alipur-1 & Alipur-3	0.14
135	NRL	New 11kV feeder required for overloading mitigation of Alipur no-2 Feeder	2.62
136	NRL	Interconnector with 3 way RMU at Tivoli for overloading mitigation of Hiranki feeder	0.42
137	NRL	Conversion of HT bare of Alipur 4 from DSIDC Narela-4 to HT ABC as entire 11kv feeder is passing under trees(to avoid triplings of feeder)	0.18
138	NRL	Add 160kVA for oveload mitigation of SHASTRI PARK PHOOL BAGH with 250 mtr HT ABC & 250 LT ABC as per site requirement	0.17
139	NRL	Add 250kVA for oveload mitigation of KAUSHIK ENCLAVE B-BLOCK P/M S/S with 400 mtr HT ABC & 700 LT ABC as per site requirement	0.29
140	NRL	Add 160kVA with for oveload mitigation of D BLOCK NATHUPURA P/M S/S with 200 LT ABC as per site requirement	0.11
141	NRL	Add 100kVA for oveload mitigation of CHHAJUSAINI ALIPUR P/M S/S with 35 mtr HT-ABC & 200LT ABC as per site requirement	0.11
142	NRL	Add 250kVA for oveload mitigation of HIRANKI BUS STAND NO-1 PL/M S/S with 50 mtr HT ABC & 250 LT ABC as per site requirement	0.14
143	NRL	Add 250kVA for PHOOL BAGH NO-2 PL/M S/S oveload mitigation of with 350mtr HT ABC & 250mtr LT ABC as per site requirement	0.21
144	NRL	Add 250kVA for oveload mitigation of SHASTRI PARK P/M S/S with 50mtr HT ABC & 250 LT ABC as per site requirement	0.14
145	NRL	Add 63kVA for oveload mitigation of MITHUN KAUR KHERAKALAN P/M S/S .	0.10



S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
146	NRL	Add 160kVA for overload mitigation of ICE FACTORY P/M S/S with 50 mtr HT ABC & 250 mtr LT ABC as per site requirement	0.12
147	NRL	Add 400kVA for overload mitigation MOHAMAD PUR PL/M S/S of with 200 mtr HT ABC & 350 mtr LT ABC as per site requirement	0.26
148	NRL	Add 250kVA for overload mitigation of BANIWALA KHERAGARHI PL/M S/S with 200mtr HT ABC & 200LT ABC as per site requirement	0.17
149	NRL	Add 160kVA for overload mitigation of NEHRUENCLAVE ALIPUR P/M S/S with 200 mtr HT ABC & 250 LT ABC as per site requirement	0.16
150	NRL	Add 63kVA for overload mitigation of AMAN VIHAR with 50 mtr HT ABC & 350 mtr LT ABC as per site requirement	0.11
151	NRL	New 3 way O/D RMU to control HIRANKI BUS STAND NO-1 PL/M S/S	0.06
152	NRL	New 3 way O/D RMU to control CHOPAL NO-1 KHERAKALAN PL/M S/S	0.06
153	NRL	New Auto Re-closure required for SUBHASH CHOWK feeder.	0.07
154	NRL	New Sectionlizer required for Marble Market T-off of 11kV SINGHOLA feeder.	0.06
155	NRL	New 4 way O/D RMU for reliability purpose of 11kV Jhingola & 11kV MCD Park feeder.	0.12
156	NRL	New 11kV feeder for N-1 mitigation of Singhola & Air-khampur feeder	2.09
157	NRL	Add 63kVA DT for overload mitigation of AMBEDKAR PARK (P/M) with LT(300mtr LT ABC 4*150sq mm + 600mtr 4C*25sq mm) & HT (350mtr HT BARE)extension as per site requirement	0.15
158	NRL	Add 160kVA DT for overload mitigation of AMAR SINGH WALA BAKOLI (P/M) with LT(300mtr LT ABC 4*150sq mm & 350mtr HT BARE)extension as per site requirement	0.18
159	NRL	Add 63kVA DT for overload mitigation of SRI CHAND JAT WALA NEW (P/M) with LT (300mtr LT ABC 4*150sq mm + 700mtr 4C*25sq mm HT 350mtr HT BARE)extension as per site requirement	0.15
160	NRL	Add 160kVA DT for CHOUPAL WALA (P/M) overload mitigation of with LT(400mtr LT ABC 4*150sq mm + & HT 350mtr HT BARE)extension as per site requirement	0.19
161	NRL	Add 160kVA DT for SHIV MANDIR WALA (P/M) overload mitigation of with LT(400mtr LT ABC 4*150sq mm & 350mtr HT BARE) extension as per site requirement	0.19
162	NRL	Add 250kVA DT for TAJPUR MANDIR WALA (P/M) overload mitigation of with LT(300mtr LT ABC 4*150sq mm & 350mtr HT BARE)extension as per site requirement	0.19
163	NRL	Add 63kVA DT for FATEH COLONY BAKHTAWARPUR (P/M) overload mitigation of with LT(300mtr LT ABC 4*150sq mm & 350mtr HT BARE) extension as per site requirement	0.15
164	NRL	Add 63kVA DT for RAM CHANDER WALA (P/M) (T/W) overload mitigation of with LT(300mtr LT ABC 4*150sq mm + 600mtr 4C*25sq mm & 350mtr HT BARE)extension as per site requirement	0.15
165	NRL	Add 63kVA DT for RUBBER FACTORY (P/M)overload mitigation of with LT(300mtr LT ABC 4*150sq mm + & 350mtr HT BARE)extension as per site requirement	0.15
166	NRL	Add 63kVA DT for SITAWALA SINGHU(P/M) overload mitigation of with LT(250mtr LT ABC 4*150sq mm + 700mtr 4C*25sq mm & 350mtr HT BARE extension as per site requirement	0.14
167	NRL	Add 63kVA DT for CHATAR SINGH WALA (P/M) overload mitigation of with LT(300mtr LT ABC 4*150sq mm + 700mtr 4C*25sq mm & 300mtr HT BARE) extension as per site requirement	0.14
168	NRL	Add 63kVA DT for GULZARI WALA NO-2 (P/M) overload mitigation of with LT (300mtr LT ABC 4*150sq mm + 600mtr 4C*25sq mm & 350mtr HT BARE)extension as per site requirement	0.15
169	NRL	Add 63kVA DT for GIRDHARI BHATTA WALA (P/M) (T/W) overload mitigation of with 300mtr LT ABC 4*150sq mm + 600mtr 4C*25sq mm & 300mtr HT BARE)extension as per site requirement	0.14
170	NRL	Add 63kVA DT for LAKHIYA WALA (P/M) overload mitigation of with LT(250 mtr LT ABC 4*150sq mm + 600mtr 4C*25sq mm & 350 mtr HT BARE) extension as per site requirement	0.14
171	NRL	Add 3 O/D RMU REQUIRED to control SUNGER PUR VILLAGE (PL/M)	0.06



S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
172	NRL	Add 3 O/D RMU REQUIRED to control TIGIPUR CHOUPAL WALA (PL/M)	0.06
173	NRL	Add 3 O/D RMU REQUIRED to control TIKARI SCHOOL WALA (PL/M)	0.06
174	NRL	Add 3 O/D RMU REQUIRED to control SINGHOLA VILLAGE (PL/M)	0.06
175	NRL	Add 3 O/D RMU REQUIRED to control SINGHU BORDER (PL/M)	0.06
176	NRL	Add 3 O/D RMU REQUIRED to control MATA WALA HAMIDPUR(PL/M)	0.06
177	NRL	Add 3 O/D RMU REQUIRED to control GANGA RAM COLONY (PL/M)	0.06
178	NRL	Add 3 O/D RMU REQUIRED to control SWARN JAYANTI VIHAR NO-1 (PL/M)	0.06
179	NRL	Add 3 O/D RMU REQUIRED to control SINGHU VILLAGE (PL/M)	0.06
180	NRL	Add 3 O/D RMU REQUIRED to control SINGHU BORDER (PL/M)	0.06
181	NRL	Add 3 O/D RMU REQUIRED to control COMMUNITY CENTRE PALLA (PL/M)	0.06
182	NRL	New interconnector from B-2 PKT-B FEEDER NO-1 TO 6A SUBSTATION for N-1 mitigation S/stn. No. 1-A FOR A-7 GRID tent boq 600mtr HT CABLE(600mtr HT cable)	0.38
183	NRL	4 WAY RMU required to take load of this feeder-S/stn. No. 4-A in N-1 condition .This new proposed RMU divide the load feeder on two parts & this makes easier to shift the load this feeder(4 Way RMU with 50mtr HT cable).	0.11
184	NRL	New interconnector from 9A from DSIDC-2 Grid TO 11C DSIDC-2 grid with 250 mtr cable & 3 way RMU for N-1 mitigation of S/stn. No. C-11 from DSIDC-2(4 Way RMU with 250mtr HT cable)	0.24
185	NRL	New 4 WAY RMU with 35 mtr CABLE at s/stn 36F block to take load of feeder S/stn. No. 32 in N-1 condition on Bhorgarh feeder(4 Way RMU with 35mtr HT cable).	0.10
186	NRL	New interconnector required from NEW FEEDER F-BLK SS-35(proposed from DSIDC-3) TO 32 S/STN ,APRX 350mtr cable for N-1 of feeder S/stn. No. 32 N-1 condition (350mtr HT cable).	0.22
187	NRL	One new 3way O/D RMU AT f-1790(utilisation interconnector of already intrconnector) for N-1 for S/stn. No. 34 & S/stn. No. 43(3 Way RMU with 35mtr HT cable)	0.06
188	NRL	New 3 way RMU for feeder DDA B2/2( for first switching station)(3 Way RMU with 35mtr HT cable)	0.06
189	NRL	New 3 way RMU for feeder DDA B2/3( for first switching station)(3 Way RMU with 35mtr HT cable)	0.06
190	NRL	new interconnector required from s/s:- 6A-block to s/s:- 8A-block for making N-1 of s/s:- 7A-block feeder because after laying new cable from B-2 pkt-B feeder no.1 to s/s:- 6A-block connectivity make via B-2 pkt-b to s/s:- 6A-block than s/s:- 7A-block.(600mtr HT cable with a 3 way RMU)	0.42
191	NRL	new interconnector required from s/s:- 60H-block to s/s:- 55 H-block to backfeeding the load of s/s:- 55 h-block(1km HT cable)	0.63
192	NRL	new 4-way O/D required for making connectivity between chemical traders-3, chemical traders no.1 and s/s:- 58 feeder no.1 for N-1 of all feeders mutually without any jumper connection(4 way o/d 70mtr HT cable)	0.12
193	NRL	new 3-way O/D RMU required near A-6 pkt-13 for sectionalise the the long section of A-9 pkt-1 feeder(3 Way O/D RMU with 50mtr HT cable)	0.07
194	NRL	new 3-way Rmu required at A-10 pkt-4 for sectionalise the long section of s/s:- A-10 pkt-6 feeder(3 Way O/D RMU with 70mtr HT cable)	0.09
195	NRL	Augmentation proposed to 630KVA for overload mitigation MAIN RD WALA SHAHPUR P/M S/S	0.31
196	NRL	Add 63kVA DT proposed oveload mitifation of STREET LIGHT OPP. B-4 PKT-1 P/M S/S	0.12
197	NRL	Add 100kVA DT proposed oveload mitifation of A-10 PKT-2 S/S NO - 6	0.12



S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
198	NRL	10 nos of 1 way RMUs required in Z-522 to avoid jumpering at various loactions(Near G-1091,Near F-2021,Near J-2811,Near E-638,Near D-1501,Near C-420,Near A-172,H-1331,H-1419,H-1452)	0.55
199	NRL	New 3 way o/d RMU required to back fed partial load of S/Stn 7A on S/Stn 9A to avoid Jumpering.	0.07
200	NRL	One new feeder proposed for overload mitigation of Gautam Colony feeder.	1.44
201	NRL	One new feeder proposed for overload mitigation of NDPL COLONY FEEDER-1.	3.17
202	NRL	New auto re-closure & 2 no's of Sectionlizer required for Gautam Colony HVDS.	0.18
203	NRL	New 3 WAY O/D RMU required at Clear Water for N-1 purpose of 11kV Ghee Wala feeder & Ghogha Dairy feeder.	0.10
204	NRL	New O/D RMU required for first switching station for 11kV feeder Radhe Krishna feeder-1 & 11kV feeder Radhe Krishna feeder-2.	0.13
205	NRL	New Sectionlizer required for new Sanoth Colony HVDS(GOGHA KIOSK NO-2)	0.06
206	NRL	New Sectionlizer required for NDPL colony no-2 feeder(SANJAY COLONY HVDS).	0.06
207	NRL	New 1 way O/D RMU required to avoid jumpering 11kV Holambi Kalan Fedeer& 11kV Ghogha feeder No-2 WITH 50 MTR HT ABC.	0.04
208	NRL	New 3 way O/D RMU required at Ramdev Chowk/MCD office for N-1 purpose of 11kV NDPL COLONY FEEDER-2 & 11kV U/G Narela Feeder WITH 50 M HT ABC	0.10
209	NRL	New 3 way O/D RMU required at jhod wala to avoid jumpering of 11kV holambi kalan Feeder & 11kV khera khurd Feeder.	0.07
210	NRL	New RMU proposed to bifurcate load of NDPL COLONY FEEDER NO-2 (HVDS) to new proposed feeder (for 1 WAY Overload Gautam Colony) & Ndpl colony-1 in N-1 CONDITION.	0.07
211	NRL	New 3 way RMU required near button factory transformer near Naya Road to avoid jumpering(Holambikalan & Holambi Khurd).	0.07
212	NRL	New 3 Way RMU O/D RMU required for controlling GHEE WALA BANKNER (630kVA)	0.06
213	NRL	New 3 Way RMU O/D RMU required for controlling NURSERY WALA (630KVA)	0.06
214	NRL	New 3 Way RMU O/D RMU required for controlling MOHANDAS MANDIR (630KVA)	0.06
215	NRL	New 3 Way RMU O/D RMU required for controlling RAMDEV CHOWK (630kVA)	0.06
216	NRL	New 3 Way RMU O/D RMU required for controlling RAM SWAROOP (630KVA)	0.06
217	NRL	New 3 Way RMU O/D RMU required for controlling BOOSTER PUMP (630kVA)	0.06
218	NRL	New 3 Way RMU O/D RMU required for controlling NEW SCHOOL WALA KHERA KHURD (630kVA)	0.06
219	NRL	New 3 Way RMU O/D RMU required for controlling BHAGTE WALA (630kVA)	0.06
220	NRL	New 3 Way RMU O/D RMU required for controlling FIRE STATION WALA (630kVA)	0.06
221	NRL	New 3 Way RMU O/D RMU required for controlling POST OFFICE WALA (630kVA)	0.06
222	NRL	New 3 Way RMU O/D RMU required for controlling NAI BASTI MAMUR PUR (630kVA)	0.06
223	NRL	New 3 Way RMU O/D RMU required for controlling PHC WALA (630kVA)	0.06
224	NRL	New 3 Way RMU O/D RMU required for controlling JHOD WALA (630KVA)	0.06
225	NRL	New 3 Way RMU O/D RMU required for controlling LAMPUR VILL WALA (630KVA)	0.06
226	NRL	New 3 Way RMU O/D RMU required for controlling, SCHOOL WALA BAKNER (630KVA)	0.06
227	NRL	New 3 Way RMU O/D RMU required for controlling PANJABI CLY (630kVA)	0.06
228	NRL	New 3 Way RMU O/D RMU required for controlling EID GHA WALA KURENI (630KVA)	0.06
229	NRL	Augmentation required SHIV MANDIR CLY WALA 160 KVA to 400kVA to mitigate overloading of overloaded DT- HAZARI-BIHARI P/M S/S,with 300mtr LT-ABC	0.16



S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
230	NRL	DT- PARK WALA augmentation required from 400kVA-630kVA It,abc-500,3 WAY RMU	0.31
231	NRL	Add DT 250kVA DT required for overload mitigation of BOGODI MOHALLA with LT ABC 500M,HT ABC-350MTR	0.21
232	NRL	Add DT 400kVA DT required for overload mitigation of MCD OFFICE NO-1 NARELA PL/M S/S with LT ABC 50M,HT ABC-350MTR	0.29
233	NRL	Aug- FIRNI WALA KHERA KHURD P/M S/S proposed from 400 to 630kVA ,With 3 Way RMU & 500mtr LT-ABC	0.31
234	NRL	Aug- OLD SCHOOL WALA NO-3 KHEDA KHURD PL/M S/S proposed from 400 to 630kVA ,With 3 Way RMU & 500mtr LT-ABC	0.31
235	NRL	Add DT 250KVA required for overload mitigation of SHIV MANDIR HOLAMBI with , LT ABC 500M,HT ABC-50MTR	0.14
236	NRL	Augmentation required from 100 to 400 kVA of Khera Khurd School DT 1 for overload mitigation of NEW SCHOOL WALA KHERDA KHURD & 700mtr LT ABC is proposed with this augmentation	0.26
237	NRL	Augmentation required from 315kVA(OLD SCHOOL WALA KHERA KHURD P/M S/S) to 630 kVA & Load shift on School Wala DT -3 after Augmentation & 500mtr LT ABC is proposed with this augmentation	0.31
238	NRL	Add 400KVA DT proposed for overlaod mitigation of SHIV MANDIR GHOGA PL/M S/S with , LT ABC 400M & HT ABC-100mtr	0.24
239	NRL	Aug 315kVA DT (MLA OFFICE WALA) to 630kVA for overlaod mitigation of Dayanand Wala P/M S/S with 3 Way RMU & 500mtr LT-ABC	0.31
240	NRL	Additional Transformer of 250 KVA DT for overload mitigation of MOHANDAS MANDIR PL/M S/S ,35mtr HT ABC,300mtr LT ABC	0.14
241	NRL	Aug to from 400kVA to 630kVA- BUTTON FACTORY P/M S/S with 3 Way RMU & 500mtr LT-ABC	0.31
242	NRL	Aug to from 400kVA to 630kVA- PULIYA WALA P/M S/S with 3 Way RMU & 300mtr LT-ABC	0.31
243	NRL	Aug to from 400kVA to 630kVA- ROSHAN WALA P/M S/S with 3 Way RMU & 500mtr LT-ABC	0.31
244	NRL	Augmentation 400 KVA to 630 KVA- METRO VIHAR HOLAMBI KHURD P/M S/S is proposed with 3 Way RMU+200 mtr LT-ABC	0.31
245	NRL	Add 100kVA DT for overload mitigation of PEMA WALA P/M S/S with 300mtr HT ABC & 700mtr LT-ABC	0.27
246	NRL	ADD 250kVA DT for overlaod mitigation of CHURCH WALA KHEDA KHURD P/M S/S +LT ABC 500MTR +HT ABC 200MTR	0.17
247	NRL	ADD 250KVA DT for overlaod mitigation of - JHODH WALA +LT ABC 500MTR +HT ABC 100MTR	0.15
248	NRL	Add 250KVA DT for overlaod mitigation of NAI BASTI MAMUR PUR with 500MTR LT ABC+50 MTR HT ABC	0.14
249	BDL	3-WAY RMU(O/D) near Pole no.HT507-15/31/35 to segregate.HVDS ckt.of GURUDWARA ROAD HVDS for N-1 of SIRASHPUR-2-TALABWALA	0.06
250	BDL	3-WAY RMU(O/D) near Pole no.HT507-10/18/13 to split the HVDS load of GALI NO.4-2 and laying interconnector of approx.350 meters from Pole no.HT507-10/18/1 to new 3-WAY RMU at GALI NO.3 to connect with NEW GALI NO.3 FEEDER for shifting approx.90 amps.load from GALI NO.4-2 feeder to NEW GALI NO.3 feeder for N-1 of New GALI NO.4-2 feeder,	0.30
251	BDL	3-WAY RMU(O/D) near Pole no.HT507-14/16 to connect RAILWAY ROAD PARKWALA with TEACHER COLONY near HVDS ckt. and 1-WAY RMU at HT507-14/4 for load splitting of approx.157 amps to be backfed with TEACHER COLONY and 4-WAY RMU(O/D) near Pole no.HT507-15/55 to segregate HVDS ckt.of feeder RAILWAY ROAD -PARKWALA-SAMAYPUR for N-1 of RAILWAY ROAD PARKWALA feeder.	0.12
252	BDL	3-WAY RMU(O/D) near Pole no.HT507-15/31/14/1 to segregate HVDS ckt.of feeder SAMAYPUR-9 for N-1 of SAMAYPUR-9.	0.06





S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
253	BDL	3-WAY I/D RMU AT GALI NO.4 to segregate HVDS ckt. From Pole HT507-11/13/8 for N-1 of SAMAYPUR (SGTN)GALI-4-1.	0.06
254	BDL	4-WAY RMU(O/D) near Pole no.HT507-15/55 to segregate HVDS ckt.of feeder RAILWAY ROAD -PARKWALA-SAMAYPUR and connect with REGAL KIOSK feeder by shifting approx.30 amps.load.and lay any Interconnector from HT507-15/3 to Isolator of 4-way RMU at HT507-15/55 to connect with REGAL KIOSK feeder for N-1 of TEACHER COLONY FEEDER.	0.14
255	BDL	NEW FEEDER FROM SIRASPUR GRID TO new 4-WAY I/D RMU at AMBEY GARDEN for N-1 of Rajiv Nagar Ambey Garden and LIBASSPUR COMPLEX.	1.11
256	BDL	NEW Interconnector from AMBEY GARDEN NEW RMU TO NEW 3-WAY O/D RMU near HT Pole no. HT507-23/9 to connect NEW FEEDER FROM SIRASPUR to AMBEY GARDEN with LIBASPUR COMPLEX for N-1 of LIBASPUR COMPLEX and also by reducing the load of LIBASPUR COMPLEX feeder.	0.39
257	BDL	3-WAY I/D RMU at GOONGAWALA to Segregate GOONGA WALA TO GALI NO-14 HVDS ckt.through separate RMU and connecting with nearby ckt.of SHIV DHARAM KANTA for backfeeding with SHIV DHARAM KANTA and 3-WAY RMU at REGAL KIOSK to segregate the HVDS ckt of NEW REGAL KIOSK feeder from POLE no.HT507-25/82 to shift the load from NEW REGAL KIOSK to REGAL KIOSK feeder in order to take the load from GOONGAWALA feeder through 1 no.RMU at pole no.HT507-25/8.	0.16
258	BDL	3 WAY RMU O/D at 630 KVA DT at MCD required for reliability	0.06
259	BDL	3-way O/D RMU required at TALABWALA PL/M S/S at Pole no.HT-507-29/6-7 to feed 630 KVA DT through Breaker which is currently through GO.	0.06
260	BDL	3-way O/D RMU required at SHIV MANDIRWALA PL/M S/S at Pole no.HT-507-29/37-38 to feed 990 KVA DT through Breaker which is currently through GO.	0.06
261	BDL	4-way O/D RMU required at 4 Pole Structure at JAIN WALA RAILWAY ROAD PL/M S/S at Pole no.HT-507-14/44-45-46-47 to feed 990 KVA DT through Breaker which is currently through GO and to segregate HVDS ckt.	0.10
262	BDL	4-way O/D RMU required at DP Structure at E-BLOCK YADAV NGR. P/M S/S at Pole no.HT-507-28/5-6 to feed 630 KVA DT and 400 KVA through Breakers which is currently through GO and to segregate HVDS ckt.	0.10
263	BDL	3-way O/D RMU required at GALI NO-10 NEAR RADHA KRISHAN TEMPLE S/S at Pole no.HT-507-11/2/5-6 to feed 630KVA DT through Breaker which is currently through GO and to segregate HVDS ckt.containing 250+250 KVA DTs.	0.06
264	BDL	3-way O/D RMU required at ASHU DHARAM KANTA S/S at Pole no.HT-507-31/29-30 to segregate HVDS ckt.s & 250 KVA DTs.	0.06
265	BDL	3-way O/D RMU required near GURUDWARA NH-1 at Pole no.HT-507-33/13 to segregate HVDS ckt.s & SPD terminated area.	0.06
266	BDL	DT 250 kVA is proposed to be installed at already existing DP: HT507-11/2/6/1-2 to mitigate overloading of G.NO-13 RLY. SAMAYPUR OPP. RADHAKRISHAN TAMPLE.	0.15
267	BDL	PL/M DT 400 kVA is proposed near pole No HT507-19/36 on 66 ft Road to mitigate overloading of POOJA ELECT. SPD. 2 Nos of LT Feeders from this DT will back charge the LT ABC feeders from POOJA ELECT. SPD thus giving relief to it. Also the proposed PL/M DT will give relief to Indraj SPD (Pole No HT507-19/34) One more DT 160 kVA at DP: HT507-24/17/5A is proposed to be augmented to 400 kVA at zonal level to give relief to Pooja Elect SPD and Dinesh SPD	0.22
268	BDL	P/M DT 250 kVA is proposed to mitigate overloading of DHARMO DEVI SPD. Location to be finalized after meeting with local councilor	0.15



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S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
269	BDL	PL/M DT 400 kVA is proposed near pole No HT507-19/38 on 66 ft Road to mitigate overloading of DINESH SPD 2 Nos of LT Feeders from this DT will back charge the LT ABC feeders from DINESH SPD thus giving relief to it. Also the proposed PL/M DT will give relief to Indraj SPD (Pole No HT507-19/34) One more DT 160 kVA at DP: HT507-24/17/5A is proposed to be augmented to 400 kVA at zonal level to give relief to Pooja Elect SPD and Dinesh SPD	0.22
270	BDL	NEW 250 KVA P/M TO BE INSTALLED AT ALTERNATE LOCATION NEAR DDA FLATS to mitigate overloading of SH GARIB SINGH BHAGAT SINGH PARK, KALYAN SAMITI, DELHI.	0.15
271	BDL	P/M DT 250 kVA is proposed. Location to be finalized after meeting with local councilor	0.15
272	BDL	NEW 250 KVA P/M TO BE INSTALLED AT ALTERNATE LOCATION NEAR JAINWALA to mitigate overloading of JAIN WALA (RAILWAY ROAD).	0.15
273	BDL	3-WAY RMU at SHAHBAD DAIRY B-BLOCK inorder to shift load of one HVDS ckt. on AKHARA and to make connectivity of RG-6.PRAHLADPUR.FDR-DDA FLAT-SEC-26 with AKHARA and B.S.CHEMICAL for achieving N-1 of RG-6.PRAHLADPUR.FDR-DDA FLAT-SEC-26.	0.06
274	BDL	4-Way-O/D RMU for connecting PANSALI feeder with Feeder AKHARA/SHAHBAD DAIRY at HT516-22/5(near prahlad vihar-1 P/M) for N-1 of AKHARA.	0.10
275	BDL	4-WAY-O/D RMU at T-off of feeder GRID_RHN220.TO.P.PUR-2.FDR-DDA FLAT-SEC-26(Prahladpur) for controlling and segregating PRADHANWALA 630 KVA DT, ANIMAL HOSPITAL 400 KVA+100 KVA DTs through separate breakers and segregating the circuit of PSS Satishwala for reliability of the feeder having long network.	0.10
276	BDL	4-WAY O/D RMU at HT516-33/72 of feeder GRID_RHN220.TO.P.PUR-2.FDR-DDA FLAT-SEC-26(Prahladpur) for controlling and segregating the HDVS ckt. and 2 no.s of 160 KVA DTs through separate breakers for reliability of the feeder having long network. At present all these ckts are emanating from single pole with incoming from Panel no.8 of S/S DDA FLAT SEC-26.	0.10
277	BDL	3-WAY O/D RMU at T-Off for KRISHNA COLONY at Feeder PANSALI for controlling KRISHNA COLONY HVDS ckt.+Pappu Colony 400 KVA DT through separate breaker.	0.06
278	BDL	3-WAY O/D RMU at T-Off for SHIV VIHAR HVDS at Feeder B.S.CHEMICAL for controlling SHIV VIHAR HVDS through separate breaker.	0.06
279	BDL	3-WAY O/D RMU at T-Off for GUPTA COLONY HVDS at Feeder RG-6.PRAHLADPUR.FDR-DDA FLAT-SEC-26 for controlling HVDS through separate breaker.	0.06
280	BDL	4-way O/D RMU required at 4 Pole Structure no.HT516-10/33-36 at PANSALI feeder for controlling and segregating the HVDS ckt, 2 no.s of 400 KVA DT and 1 no.315 KVA DT through separate breaker for reliability of the feeder.	0.10
281	BDL	3-way O/D RMU required at Pole no.HT516-5/47/17/12 at PANSALI feeder to segregate the industrial load through separate breaker for reliability of the feeder.	0.06
282	BDL	3-way O/D RMU required at POOTH KALA ROAD PL/M S/S at Pole no.HT516-5/63/1-4 to control 630 KVA DT + 250 KVA DT through Breaker which is currently through GO.	0.06
283	BDL	ADDITIONAL 250 KVA DT P/M near TELEPHONE EXCHANGE (P/M) to mitigate overloading of TELEPHONE EXCHANGE (P/M).	0.15
284	BDL	ADDITIONAL 250 KVA P/M DT NEAR KAILASH VIHAR PANSALI to mitigate overloading of SRI ENCLAVE (PL/M)	0.15
285	BDL	ADDITIONAL 160 KVA DT P/M near BADLU WALA NO-2 (P/M) to mitigate overloading of BADLU WALA NO-2 (P/M)	0.13
286	BDL	AUGMENTATION of 400 KVA to 630 KVA DT WITH 3-WAY O/D RMU at ANIMAL HOSPITAL P/M S/S to mitigate overloading of ANIMAL HOSPITAL P/M S/S	0.30
287	BDL	ADDITIONAL 250 KVA DT P/M near PHIRNI ROAD NO-2 (P/M) to mitigate overloading of PHIRNI ROAD NO-2 (P/M)	0.15



S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
288	BDL	ADDITIONAL 250 KVA P/M DT NEAR SATISH WALA to mitigate the overloading of SATISH WALA (PL/M). DYNAMIC LG as new Industries of approx. 150 KW are coming so DT will get overloaded to more than 100 %	0.15
289	BDL	ADDITIONAL 250 KVA P/M DT to be installed near A-3 PARK CORNER by LILO of cable from 2/16 S/S to 14/16 S/S with approx. 200 m U/G cable to mitigate overloading of 2/16 DT-2	0.26
290	BDL	Additional 400 KVA with 3-WAY I/D RMU at 12/16 (VACANT S/S) to mitigate overloading of 14/16 DT-1	0.26
291	BDL	ADDITIONAL 400 KVA DT at 15/16 S/S SPARE ISOLATOR available which is to be swapped with Breaker Panel for utilizing Breaker for DT to mitigate overloading of 15/16.	0.22
292	BDL	Additional 990 kva Dt at 16/16 sub station with Additional 3-WAY I/D RMU to mitigate the overloading of 16/16 and 19/16 DT-1 and DT-2	0.57
293	BDL	Additional 400 KVA DT with 3-WAY-I/D RMU AT 18/16 DT-1 to mitigate overloading of 18/16 DT-1.	0.26
294	BDL	NEW FEEDER FROM RG-6 TO S/S-1/16 with 3-WAY INDOOR RMU at S/S-1/16 1. To achieve N-1 of Feeder-14/16. 2. To achieve N-1 of Feeder 17/16.	1.04
295	BDL	NEW INTERCONNECTOR from SPARE ISOLATOR of ARYA APPT. S/S to S/S-3/15 with 3-WAY INDOOR RMU at S/S-3/15 for N-1 of Feeders ARYA APPT feeder.	0.32
296	BDL	Replacement of 4-WAY-I/D RMU with existing 3-WAY-RMU at S/S- 10/16 for segregation of back-to-back connected DTs.	0.06
297	RHN	NEW 11 KV FEEDER FROM RG-1 TO CHOONA BHATI S/S TO AVOID O/L OF DDA FLAT S/S NO-1 AND GOPAL VIHAR NO-1 S/S FROM RG-2 GRID	1.33
298	RHN	INTERCONNECTOR FROM CHOONA BHATI S/S TO 3/4 S/S TO AVOID O/L AND N-1 BACKFEEDING COMPLIANCE OF 1/4 S/S FEEDER FROM RG-4 GRID	0.31
299	RHN	INTERCONNECTOR FROM 11/3 S/S TO 7/3 S/S A/W 4 WAY RMU AT 7/3 S/S FOR N-1 BACKFEEDING COMPLIANCE OF RG-1(JIMS), RG-1 (9/3 S/S)	0.71
300	RHN	1 WAY RMU PROPOSED BETWEEN KHATEWALA S/S AND MANGOLPUR KHURD -6 S/S FOR N-1 BACKFEEDING COMPLIANCE OF PP-2 TO 11 KV FEEDER 3A/2 WHEN 3A/2 S/S O/G PATHARAWAL FAULTY	0.97
301	RHN	INTERCONNECTOR FROM NDPL OLD DISPENSARY (SPARAE P-4 ) TO 6/3 S/S FOR SHARING LOAD ON RG-1 TO NDPL OLD DISPENSARY TO AVOID O/L OF PP-2 (NDPL DISPENSARY FEEDER)	0.52
302	RHN	PILCA (P-1) TO XLPE (X-1) CONVERSION FROM 7/3 s/s TO 8/3 s/s DUE TO O/L DURING BACKFEEDING OF RG-1(9/3 FEEDER), PP-2( 3A/2 ) UPON RG-1 ( 7/3 S/S )	0.31
303	RHN	PILCA (P-1) TO XLPE (X-1) CONVERSION FROM JAIPUR GOLDEN HOSPITAL TO CRIMIOLOGY DUE TO OVER LOADING OF JAIPUR GOLDEN HOSPITAL TO CRIMIOLOGY SECTION UNDER FULL LOAD CONDITION AND FOR N-1 BACKFEEDING OF RG-1 (4/3) ,RG-1 TO NDPL OLD DISPENSARY	0.28
304	RHN	PILCA(P-1) TO XLPE(X-1) CONVERSION FROM 5/3 S/S TO 6/3 , 6/3 S/S 6A/3 S/S AND 6A/3 S/S TO 7/3 S/S FOR N-1 BACKFEEDING COMPLIANCE OF RG-1( 7/3 S/S)	0.52
305	RHN	BOTH O/G HVDS JJ COLONY AND O/G JAIPUR GOLDEN HOPITAL NEED TO BE SWAPPING WITH OTHER AT NDPL OLD DISPENSARY S/S SO THAT HVDS JJ COLONY AND O/G 6/3 s/s AT NDPL OLD DISPENSARY S/S WOULD BE SHIFTED ON RG-1( NDPL OLD DISPENSARY ) FEEDER.	0.03
306	RHN	TWO NO OF TRF EACH 630 KVA ARE FROM SINGLE BKR(P-12) AT 4/3 S/S . ONE TRF TO BE SHIFTED ON SPARE PANNEL NO-11.	0.00
307	RHN	ONE NO 3 WAY RMU PROPOSED AT 6/3 S/S FOR SHIFTING ONE NO OF TRF ON NEW RMU	0.04
308	RHN	ONE NO 3 WAY RMU PROPOSED AT 8/3 S/S FOR SHIFTING ONE NO OF TRF ON NEW RMU	0.04
309	RHN	REPLACEMENT OF 3 WAY RMU BY 4 WAY RMU TO SHIFT ONE NO OF TRF AT 3/8 S/S	0.08



S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
310	RHN	ONE NO OF 3 WAY RMU WITH 400 KVA DT REQD DUE TO OVER LOADING OF 1/8 S/S DT-2	0.25
311	RHN	4 WAY RMU A/W 630 KVA TR REQD AT 10/3 S/S DUE TO OVERLOADING OF DT-1,2,3	0.32
312	RHN	3 WAY RMU WITH 400 KVA TRF REQD DUE TO OVER LOADING OF 12/3 S/S DT-2	0.25
313	RHN	3 WAY RMU WITH 400 KVA TRF REQD DUE TO OVER LOADING OF 5/3 S/S DT-3	0.25
314	RHN	3 WAY RMU WITH 400 KVA TRF REQD DUE TO OVER LOADING OF 6/3 S/S DT-2	0.25
315	RHN	3 WAY RMU WITH 400 KVA TRF REQD DUE TO OVER LOADING OF 7/3 S/S DT-1	0.25
316	RHN	3 WAY RMU WITH 400 KVA TRF REQD DUE TO OVER LOADING OF A-00 AVANTIKA DT-2	0.25
317	RHN	3 WAY RMU WITH 630 KVA TRF REQD DUE TO OVER LOADING OF B-BLOCK AVANTIKA DT-1, 3	0.40
318	RHN	250 KVA TRF REQD DUE TO OVER LOADING OF B- BLOCK MASJIDWALA	0.13
319	RHN	4 WAY RMU , AUGMENTATION OF TRF FROM 400 KVA TO 630 KVA DUE TO OVER LOADING OF TALAB WALA DT-2	0.32
320	RHN	3 WAY RMU A/W 630 KVA TRF REQD DUE TO OVER LOADING OF TEMPO STAND WALA MANGOLPUR KALAN DT	0.40
321	RHN	New interconnector from Varun Kunj sect-5 to TPS Rithala Kiosk through 4 way RMU for mitigation of over loading of 11 kv feeder TPS Rithala kiosk from Rg-4 grid	0.17
322	RHN	New interconnector from 9/25 s/s feeder to 4/24 outdoor s/s fedder through 4 way RMU at pocket 11 sector 24 s/s For overload mitigation of 4/24 outdoor s/s from Rg-24 grid.	0.52
323	RHN	250 KVA TRF REQD DUE TO OVER LOADING OF 400 KVA TRF AT 1/25 S/S	0.13
324	RHN	400 KVA TRF REQD DUE TO OVER LOADING OF 11/24 DT-1 AND DT-2	0.21
325	RHN	3 WAY RMU A/W 630 KVA TRF AT 12/11 S/S DUE TO OVERLOADING DT-1 AND DT-2	0.40
326	RHN	250 KVA TRF REQD DUE TO OVER LOADING OF 13/24 S/S	0.13
327	RHN	4 WAY RMU A/W 630 KVA TRF REQD DUE TO OVERLOADING OF 2/5 S/S DT-1,2,3	0.21
328	RHN	AUGMENTATION FROM 315 KVA TO 630 KVA TRF AT 21/24 DT-2	0.24
329	RHN	250 KVA TRF REQD DUE TO OVER LOADING OF 22/24 DT-2	0.13
330	RHN	250 KVA TRF REQD DUE TO OVER LOADING 24/24 S/S	0.13
331	RHN	3 WAY RMU A/W 630 KVA TRF REQD AT 3/6 S/S DUE TO OVERLOADING OF DT-1,2	0.40
332	RHN	3 WAY RMU A/W 400 KVA TRF REQD AT 5/11 S/S DUE TO OVER LOADING DT-1,2	0.25
333	RHN	3 WAY RMU A/W 400 KVA TRF REQD AT 5/5 S/S DUE TO OVERLOADING OF DT-2	0.25
334	RHN	3 WAY RMU A/W 630 KVA TRF REQD AT 9/11 S/S DUE TO OVER LOADING OF DT-2	0.40
335	RHN	400 KVA TRF REQD AT AKASHGANGA AAPT(4/24, SECT-24)	0.21
336	RHN	4 WAY RMU A/W 630 KVA TRF REQD DUE TO OVERLOADING OF G-7/11 DT	0.44
337	RHN	250 KVA TRF REQD AT MASJID WALA RITHALA S/S DUE TO O/L DT-1,2	0.13
338	RHN	250 KVA TRF REQD AT POCKET 2/25 S/S DUE TO OVER LOADING	0.13
339	RHN	250 KVA TRF REQD AT TALAB WALA P/M S/S DUE TO OVER LOADING	0.13
340	RHN	CONNVESION OF X-4 TO X-0 FROM VIKASH SHEEL TO SHEETAL FOR N-1 OF E BLK PRASHANT VIHAR FROM HYDERPUR GRID(PORION BETWEEN S/S 1/14 CIVIL TO SHIVAJI WHEN SHIFTED ON HYDERPUR GRID TO VIKASH SHEEL FEEDER)	0.19
341	RHN	CONNVESION OF P-4 TO X-0 FROM B BLK MATA MANDIR TO PRASHANT VIHAR FOR N-1 OF E BLK PRASHANT VIHAR FROM HYDERPUR GRID(LOAD OF E BLK PRASHANT VIHAR AND D BLK PRASHANT VIHAR WHEN SHIFTED ON RG-3 TO NORTHEX-MALL)	0.36



S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
342	RHN	INTERCONNECTOR FROM LANCER CONVENT TO LSCNO-1(SPARE P-6) REQD , CABLE OF RMU OUTSIDE RG-3 GRID TO BE SHIFTED ON OTHER BKR PANNEL TO TAKE FULL CAPACITY OF CABLE FOR N-1 OF E BLK PRASHANT VIHAR FROM HYDERPUR GRID AND PART LOAD OF NORTHEX-MALL TO BE SHIFTED ON RG-3 TO RMU OUTSIDE RG-3 GRID)	0.38
343	RHN	CONVERSION OF X-4 TO X-0 FROM NAVSHAKTI TO VEER NO-1 DUE TO OVER LOADING OF SECTION FROM NAVSHAKTI TO VEER NO-1 WHEN NORMAL CURRENT FLOWING THROUGH RG-5 TO OUTSIDE SAMY VIHAR FEEDER	0.24
344	RHN	CONVERSION OF P-1 TO X-0 FROM VEER NO-1 TO VEER NO-2 FOR N-1 OF RG-5 TO 3/13 S/S FEEDER WHEN VANDANA TO AYODHYA CABLE FAULTY	0.07
345	RHN	CONVERSION OF P-1 TO X-0 FROM S/S -1/9 TO NEW INDIA AND X-4 TO X-0 FROM NEW INDIA TO NAVEENTAM TO VINOBA KUNJ FOR MITIGATING OVER LOADING OF SECTION WHEN NORMAL CURRENT FLOWING THROUGH RG-3 TO 1/9 FDR-1	0.18
346	RHN	CONVERSION OF P-1 TO X0 FROM VAVEENTAM TO VINOBA KUNJ AND FROM VINOBA KUNJ TO SHAKTI FOR N-1 BACKFEEDING WHEN S/S 1/9 TO NEW INDIA SECTION FAULTY	0.28
347	RHN	CONVERSION OF X-4 TO X0 FROM S/S 1/9 TO SAIBABA, SAIBABA TO MANAV, MANAV TO NEW SHAKTI FOR N-1 BACKFEEDING OF 2/9 FDR-2 WHEN S/S 2/9 TO RG MALL FAULTY	0.28
348	RHN	CONVERSION OF P-4 TO X0 FROM B BLK MATA MANDIRA PRASHANT VIHAR TO LSCNO-2 FOR N-1 OF HYDERPUR TO E BLK PRASHANT VIHAR	0.36
349	RHN	CONVERSION OF X-4 TO TO X0 FROM S/S 2/9 TO VASUDHA FOR MITIGATING OVERLOADING OF S/S 2/9 TO VASUDHA AND N-1 OF RG-5 TO 3/9	0.14
350	RHN	250 KVA TRF REQD DUE TO OVERLOADING 400 KVA RAJAPUR MATKE WALA (P/M)	0.13
351	SMB	New feeder from Dheerpur grid to JOHARWALA O/D S/Stn to mitigate the overloading and N-1 of KATARIA ENCLAVE feeder.	4.19
352	SMB	New feeder from grid to baba colony S/Stn to mitigate the overloading and N-1 of JINDAL FARM feeder.	3.57
353	SMB	Replacement of Conductor from rabbit to DOG ( 700mtrs route length) on the transport authority feeder ( from Bangali colony O/D to 630KVA Harit Vihar.)	0.23
354	SMB	Interconnector to be laid from Harit Vihar D-Block S/Stn to Ganda Tank I/D (Route length = 900 mtrs) DOG, this is required for the connection of (gas plant and transport authority feeder to kamal vihar feeder.	0.36
355	SMB	Interconnector required from IP colony No.2 to IP colony No. 3 , this is required for the strentheing of the IP colony feeders. (Route length = 700 mtrs) DOG	0.30
356	SMB	Replacement of Conductor from rabbit to DOG (700mtrs route length) on the IP colony feeder no.1 ( from Ram Kishore T/W S/stn to IP colony No 1 S/Stn.)	0.22
357	SMB	Additional feeder from the same panel by using a 4 way RMU & utilizing the current network, this is for the N-1 mitigation of the IP colony feeder.	0.14
358	SMB	Additional 400KVA DT at PEPSI GODOWN HIMGIRI (P/M) S/S	0.22
359	SMB	Additional 400KVA DT at TOMAR COLONY NO-1 (PL/M) S/S	0.22
360	SMB	Additional 400KVA DT at KAMAL VIHAR-2 (PL/M) S/S	0.22
361	SMB	Additional 400KVA DT at KAMAL VIHAR-1(PL/M) S/S	0.22
362	SMB	Additional 400KVA DT at BABA COLONY NO-1 A-BLOCK (P/M) S/S	0.22
363	SMB	Additional 400KVA DT at CHANDAN VIHAR NO-5 PL/M S/S	0.22
364	SMB	Additional 400KVA DT at GARHI (PL/M) S/S	0.22
365	SMB	Additional 250KVA DT at COMPLAINT CENTRE (PL/M) S/S	0.13
366	SMB	Additional 400KVA DT at KAUSHIK ENCLAVE B-BLK NO-3 P/M S/STN	0.22
367	SMB	Additional 400KVA DT at I.P COLONY-1 (PL/M) S/S	0.22
368	SMB	Additional 400KVA DT at AMRIT VIHAR-2 (P/M) S/S	0.22



# TAJIA POWER & CONSTRUCTION LIMITED

S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
369	SMB	Additional 250KVA DT at TOMAR COLONY NO-5 P/M S/S	0.13
370	SMB	Additional 400KVA DT at I.P COLONY-2 (PL/M) S/S	0.22
371	SMB	Additional 400KVA PSS at CHANDAN VIHAR-1 (PL/M) S/S	0.26
372	SMB	Additional 400KVA DT at KAUSHIK ENCLAVE A-BLK-2 (P/M) S/S	0.22
373	SMB	Additional 400KVA DT at KAUSHIK ENCLAVE B-BLK-1 (PL/M) S/S	0.22
374	SMB	Additional 400KVA DT at KAUSHIK ENCLAVE B-BLK-2 (P/M) S/S	0.22
375	SMB	Additional 250KVA DT at SATYA VIHAR (PL/M) S/S	0.13
376	SMB	Additional 630KVA DT at HARIT VIHAR (PL/M) S/S	0.39
377	SMB	Additional 250KVA DT at PRADHAN ENCLAVE no-2	0.13
378	SMB	Additional 400KVA DT at TOMAR COLONY NO-2 (P/M) S/S	0.22
379	SMB	Additional 400KVA DT at SABUN FACTORY (P/M) S/S	0.22
380	SMB	Additional 400KVA DT at BHAGAT COLONY (PL/M) S/S	0.22
381	SMB	Additional 400KVA DT at UTTRANCHAL ENCLAVE (P/M) S/S	0.22
382	SMB	Additional 400KVA DT at KAMAL VIHAR NO-4 S/S	0.22
383	SMB	Additional 400KVA DT at KAMAL VIHAR-3 (PL/M) S/S	0.22
384	SMB	Additional 250KVA DT at BHAGAT COLONY NO-2 (PL/M) S/S	0.13
385	SMB	Additional 400KVA DT at CHANDAN VIHAR-2 (P/M) S/S	0.22
386	SMB	Additional 400KVA DT at AMRIT VIHAR-1 (P/M) S/S	0.22
387	SMB	Additional 400KVA DT at CHANDAN VIHAR-3 (P/M) S/S	0.22
388	SMB	Additional 400KVA DT at PRADHAN ENCLAVE no-1	0.22
389	SMB	Additional 400KVA DT at LAXMI VIHAR	0.22
390	SMB	Additional 400KVA DT at TOMAR COLONY NO-3	0.22
391	SMB	Additional 400KVA DT at VASHISHT ENCLAVE	0.22
392	SMB	Seprate panels at bahlswa grids are required for newly laid feeders of arrora farms and burari school. As the feeder is not able to take full load due to bottle neck at grid station.	0.19
393	SMB	New feeder from grid to the consumer care center1, to mitigate the overloading of takia chouk feeder.	2.68
394	SMB	New feeder grid to bangali colony S/Stn to mitigate the overloading at N-1 of rainy well feeder.	2.37
395	SMB	Rainy well feeder has a cable XLPE240 at trunk feeder which is restricting the full usage of feeders.	0.13
396	SMB	Feeder from burari authority to costomer care has a cable XLPE240 at trunk feeder which is restricting the full usage of feeders.	1.25
397	SMB	Feeder from main burari road to costomer care has a cable XLPE240 at trunk feeder which is restricting the full usage of feeders.	0.31
398	SMB	Interconnectors required Hardevnagar gali no3 S/Stn. to Jharoda school S/Stn., connecting Takia chouk feeder to shah alam bandh feeder.	0.31
399	SMB	Interconnectors required Pansheel S/stn to sangam vihar no2 S/stn. for connectivity b/w rainywell feeder to shah alam band feeder.	0.31
400	SMB	Interconnectors required Kali mandir S/Stn to mata mandir S/stn for connectivity b/w Jagatpur 2 feeder to burari school feeder.	0.25
401	SMB	Interconnectors required reliance no1 to Arora farm S/stn for connectivity b/w takia feeder to arora farm feeder.	0.25



S. NO.	District	Proposal (Brief Description)	Estimated Cost (Rs. Cr)
402	SMB	Interconnectors required noor wala to Zama masjid S/stn for connectivity b/w jagatpur feeder to jagatpur1 feeder.	0.31
403	SMB	Interconnectors required cable godown s/stn to Chaku factory S/stn for connectivity b/w burari school feeder to takia chook feeder.	0.19
404	SMB	New 3 way RMU near pole no. HT532-12/63-64 for reliabilty improvement of Rainy well feeder.	0.07
405	SMB	New 3 way RMU near pole no. HT532-1/31 for reliabilty improvement of Takia chook feeder	0.07
406	SMB	New 3 way RMU near pole no. HT532-12/63-64 for reliabilty improvement of Takia chook feeder	0.07
407	SMB	New 3 way RMU near pole no. HT532-62/32-32A at jama masjid for reliabilty improvement of jagatpur Ext 1 feeder	0.07
408	SMB	New 3 way RMU near pole no. HT 532-58/30 at jagatpur village o/d for reliabilty improvement of jagatpur Ext 2 feeder.	0.07
409	SMB	3 way RMU at Ghanteshwar mahadev s/stn to control 630 KVA DT.	0.06
410	SMB	3way RMU at B block baba colony s/stn to control 630 KVA DT.	0.06
411	SMB	3way RMU at Hardev nagar s/stn to control 630 KVA DT.	0.06
412	SMB	3way RMU at Parvati anchal s/stn to control 990 KVA DT.	0.06
413	SMB	3way RMU at jharoda school s/stn to control 630 KVA DT.	0.06
414	SMB	3way RMU at Gali no 12 s/stn to control 630 KVA DT.	0.06
415	SMB	2 no's of 3 way RMU required outside wazirabad grid for controlling of Jagatpur Extn no 1 & 2.	0.12
416	SMB	In last peak summer (FY 2014-2015) the Jagat Pur Extn No.2 11kV feeder was running at 320A due to which the HT AB Cable 150Sq mm got heat up and there is also multiple joints in 2Km section from Wazirabad Grid to Jagat Pur Kiosk (first switching station).	0.38
417	SMB	Additional 400KVA DTat JHARODA DAIRY-2 (P/M) S/S	0.22
418	SMB	Additional 400KVA DT at GHANTESHWAR MAHADEV PL/M S/S	0.22
419	SMB	Augmentation from 250KVA DT to 400KVA DT at SAI MOTOR P/M S/S	0.16
420	SMB	Augmentation from 400KVA to 630KVA DT at BHAGWAN PARK (P/M) S/S	0.27
421	SMB	Additional 400KVA DT at WAZIRABAD GALI NO-14 (P/M) S/S	0.22
422	SMB	Augmentation from 400KVA to 630KVA DT at WAZIRABAD SCHOOL (P/M) S/S	0.27
423	SMB	Additional 400KVA DT at JHARODHA SCHOOL (PL/M) S/S	0.22
424	SMB	Augmentation from 315KVA to 400KVA DT at PANCHSHEEL ASHRAM PL/M S/S	0.16
425	SMB	Augmentation from 400KVA to 630KVA DT Over loading of DT at SURENDER COLONY PART-2 (P/M) S/S	0.27
426	SMB	Augmentation from 400KVA to 630KVA DT at JAGAT PUR EXT-1 (P/M) S/S	0.27
427	SMB	Additional 630KVA DT at SANGAM VIHAR NO-1 (PL/M) S/S	0.38
428	SMB	Augmentation from 250KVA to 400KVA DT at HARIJAN BASTI-2	0.16
429	SMB	Additional 400KVA DT at Customer Care	0.22
430	SMB	Feeder BURARI ROAD SWAROOP NAGAR and "D BLK SWAROOP NGR GALI 3", is not having full back up. As the only back up feeder "D block gali no3" an Interconnector from kalander colony (Pushpa road to rainbow) to mitigate n-1 of the feeder.	0.75
431	SMB	Feeder SMA-3, is not having full back up. Interconnector to be laid from pole no HT503-1/19-20 to the spare panel at pump house No-1.	0.13



S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
432	SMB	Feeder JAHANGIRABAD VILLAGE is not having full back up. Backup feeders are also loaded, hence a new feeder is proposed from Bhalswa Grid to Radha Vihar S/Stn along with 4 way RMU.	0.24
433	SMB	Replacement of feeder from Squirrel conductor from pole no503-97/32-35 to Khadda colony gali no2.	0.26
434	SMB	3 way RMU at pole no. HT pole no 503-36/2/6-8 to control ishu vihar, himgiri colony 1,2, fauji colony DT.	0.07
435	SMB	Additional transformer of 630KVA at RADHA VIHAR with a 3W o/d rmu	0.42
436	SMB	Additional transformer of 630KVA at J.J. CLUSTER-II.	0.42
437	SMB	Additional transformer of 630KVA at E- BLK. GALI NO-7	0.42
438	SMB	Additional transformer of 630KVA at C&D block.	0.42
439	SMB	Additional transformer of 630KVA DT at C-BLOCK MUKUNDPUR PART-1	0.42
440	SMB	Additional transformer of 400KVA DT at A-BLK SWAROOP NAGAR	0.21
441	SMB	Additional 400KVA DT at JAIN COLONY GURUDWARA P/M S/S	0.21
442	SMB	Additional 400KVA DT at J.J. CLUSTER-II	0.21
443	SMB	Additional 400KVA DT at E- BLK. GALI NO-7	0.21
444	SMB	Additional 630KVA DT at D-BLK.MUKUNDPUR PART-1	0.42
445	SMB	Additional 250KVA DT at MCD SCHOOL MUKUNDPUR	0.13
446	SMB	Additional 400KVA DT at JANTA VIHAR	0.21
447	SMB	Additional 400KVA DT at RADHA VIHAR	0.21
448	SMB	Additional 630KVA DT at Ishu vihar no. 2	0.38
449	SMB	Additional 630KVA DT at Rainbow wala	0.38
450	SMB	Additional transformer at H-block 400 KVA.	0.21
451	SMB	3 way RMU Shalamar Kiosk	0.07
452	SMB	3 way RMU at BJ block	0.07
453	SMB	3 way RMU at Gali No-6	0.07
454	SMB	3 way RMU at 14 B s/stn	0.07
455	SMB	4 way RMU at Pragya Mall	0.07
456	SMB	Augmentation from 630KVA DT to 990KVA DT at CC-2	0.31
457	SMB	Additional 400KVA DT at BHUSE WALA	0.21
458	SMB	Additional 400KVA DT at 7B S/S	0.21
459	SMB	Additional 400KVA DT at 12 B S/S	0.21
460	SMB	Interconnector from 5a S/stn to AL Block substaion to mitigate the sectional N-1 of 3A feeder.	0.48
461	SMB	4 way RMU at BN(K) S/stn.	0.08
462	SMB	3 way RMU at 4A.	0.06
463	SMB	Additional 400KVA DT at 5 A DT2	0.21
464	SKN	Installation of 990KVA Dry Type Transformer at CSA to mitigate the overloading of DT-1. & for safety reason as VT centre is running from the Substation.	0.26
465	SKN	Replacement of 3 way RMU with 4 Way RMU at daya Basti Railway Station to avoid the tripping on Grid.	0.06





S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
466	SKN	lay new feeder from Gulabi Bagh PTR-3 to Subdhara Colony Ram leela Ground for N-1 of PTR-3 of SHAHZADA Bagh.	0.88
467	SKN	Installation of 630 KVA DT at Standard Sweet to mitigate the overloading of B-Blk Shastri Nagar DT-2 (after floor wise construction)	0.40
468	SKN	Installation of 630 KVA DT at MCD School to mitigate the overloading of MCD School DT-2(after floor wise construction).	0.40
469	SKN	Replacement of 3 way RMU with 4 Way RMU at Bara Hindu Rao to avoid the tripping on Grid.	0.10
470	SKN	lay new feeder from Gulabi Bagh PTR-3 to Nimri Village to mitigate the overloading of Nimri Village Fdr.	0.45
471	SKN	lay new feeder from Gulabi Bagh PTR-3 to Pertol Pump (A-Blk) to Shift the Load of PTR-2 to PTR-3.	0.27
472	SKN	lay new feeder from Gulabi Bagh PTR-3 to Pertol Pump (Sindhora kalan) for N-1 of Gulabi Bagh No.2 frdr from Gulabi Bagh.	0.38
473	SKN	lay new feeder from Gulabi Bagh PTR-3 to E-2 Metro (Shastri Nagar) for N-1 of PTR-3 of SHAHZADA Bagh.	0.69
474	CVL	Interconnector between Swiss Apt & Court Road S/Stns.	0.40
475	CVL	Reconductoring of cable between Narmada & National Cold Store S/Stns.	0.36
476	CVL	Reconductoring of cable between Battery Lane & LG House S/Stns via 8-Raj Niwas Marg S/Stn.	0.59
477	CVL	New feeder from proposed Bhargarh grid to St. Stephens Hospital S/Stn.	1.13
478	CVL	New feeder from proposed Bhargarh grid to New Court S/Stn.	1.00
479	CVL	Interconnector between Hindu College & Delhi School of Economics S/Stns.	0.53
480	CVL	New feeder from GTK grid to RUB S/Stn.	1.39
481	CVL	New feeder from Gulabi Bagh grid to ESI S/Stn.	1.17
482	CVL	LILO of cable section between E Blk Mother Dairy, Kamla Nagar (K) at E Blk Kamla Nagar MCD School (K).	0.27
483	CVL	New feeder from proposed Bhargarh grid to Birla Mill S/Stn.	1.29
484	CVL	New feeder from proposed Bhargarh grid to Parag Ice Factory S/Stn.	0.63
485	CVL	New feeder from proposed Bhargarh grid to Palace Cinema S/Stn.	0.78
486	MDT	Interconnector between CNG Pumping Station & FCI S/Stns.	0.42
487	MDT	Replacement of existing 3 way RMU to 4 way RMU at Gujrawala Part-2 (Park wala) S/Stn.	0.06
488	MDT	Replacement of existing 3 way RMU to 4 way RMU at Hans Cinema S/Stn.	0.09
489	MDT	The existing 315 kVA DT at A-BLK GUJRAWALA TOWN (P/M-2) is to be augmented to 400 kVA	0.15
490	MDT	The existing 315 kVA DT at B-81 GTK is to be augmented to 400 kVA	0.15
491	MDT	Additional 250 kVA P/M DT near Hans Cinema to mitigate the over loading of HANS CINEMA (PL/M) DT1	0.22
492	MDT	The existing 630 kVA DT at SURAJ NAGAR S/Stn is to be augmented to 990 kVA to mitigate the over loading of SURAJ NAGAR and RAMESHWAR NAGAR DT1 & DT-2	0.29
493	MDT	New 630 kVA DT along with 3 way RMU is to be installed INDRA at VIHAR area to mitigate the over loading of INDRA VIHAR DT-1 & DT-2	0.26
494	MDT	LILO of Trunk section of C Block Radio Colony-6 feeder at 317 Bhai Parmanand S/Stn.	0.33
495	MDT	Reconductoring of cable between BBM Depot & Hakikat Nagar (K) S/Stns via Nulife and Hakikat Nagar P/M S/Stns.	0.47
496	MDT	Reconductoring of cable between Dashmesh and Shah Alam S/Stns.	0.06



S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
497	MDT	Additional 3 way RMU at Outram Line -2 S/stn	0.05
498	MDT	New 630 kVA DT along with 3 way RMU is to be installed INDRA at VIHAR area to mitigate the over loading of INDRA VIHAR DT-1 & DT-2	0.41
499	MDT	New 630 kVA DT is to be installed at the existing plinth and spare braeker to mitigate the over loading of T.B. HOSPITAL	0.31
500	MDT	New 630 kVA DT along with 3 way RMU is to be installed at MUKHERJEE NGR - 2 to mitigate the over loading of MUKHERJEE NGR - 2 DT2	0.37
501	MDT	The existing 100 kVA DT of POLICE CHOWKI is to be augmented to 160 kVA to mitigate over loading of POLICE CHOWKI	0.10
502	MDT	The existing 160 kVA DT of HARIZAN SEVAK SANGH (P/M) is to be augmented to 400 kVA to mitigate over loading of PACKAGE S/S MCD COURT DHAKA & Dhaka (K)	0.14
503	MDT	The existing 315 kVA DT of 78 WEST MUKHARJI NAGAR is to be augmented to 630 kVA along with 3 way RMU to mitigate over loading of 78 WEST MUKHARJI NAGAR & Dhaka (K)	0.29
504	MDT	New 630 kVA DT along with 3 way RMU is to be installed at MUKHERJEE NAGAR - 3 to mitigate the over loading of MUKHERJEE NGR - 3 DT-2 & DT-3	0.36
505	MDT	Additional 250 kVA P/M DT near MUKERJEE NG.P/M BUS STAND to mitigate the over loading of MUKERJEE NG.P/M BUS STAND	0.21
506	MDT	New 630 kVA DT along with 3 way RMU is to be installed near DASHMESH PARK to mitigate the over loading of DASHMESH PARK DT2	0.43
507	MDT	New 630 kVA DT along with 3 way RMU is to be installed near GULAB VATIKA to mitigate the over loading of GULAB VATIKA	0.44
508	MDT	The existing 630 kVA DT-1 at TIKONA PARK S/Stn is to be augmented to 990 kVA to mitigate the over loading of TIKONA PARK DT1	0.26
509	MDT	The existing 630 kVA DT at AVTAR PARK S/Stn is to be augmented to 990 kVA to mitigate the over loading of AVTAR PARK	0.26
510	MDT	Additional 250 kVA P/M DT at B Block MUKERJEE NAGAR to mitigate the over loading of B-9 M.NAGAR	0.21
511	MDT	New 630 kVA DT along with 3 way RMU is to be installed near DUSHERA GROUND M NAGAR to mitigate the over loading of DUSHERA GROUND M NAGAR	0.50
512	MDT	The existing 630 kVA DT at MALIKPUR S/Stn is to be augmented to 990 kVA to mitigate the over loading of MALIKPUR.	0.26
513	MDT	Replacement of sick portion of cable approx 200 meter, PILCA 240 sqmm from Subzi Mandi No-1 to near Appolo Tyre (Section between Subzi Mandi No-1 and Theke wala S/Stns.)	0.13
514	MDT	New 990 kVA DT along with 3 way RMU is to be installed at MAJLIS PARK to mitigate the over loading of GALI NO 6 MAJLIS PARK DT-1 & DT-2	0.63
515	MDT	The existing 630 kVA DT-1 at GALI NO 8 MAJLIS PARK is to be augmented to 990 kVA to mitigate the over loading of GALI NO 8 MAJLIS PARK DT-1 & DT-2	0.26
516	MDT	New 630 kVA DT along with 3 way RMU is to be installed at KEWAL PARK to mitigate the over loading of KEWAL PARK DT-2 & DT-3	0.43
517	MDT	New 630 kVA DT is to be installed at D BLOCK SUBZI MANDI to mitigate the over loading of D BLOCK SUBZI MANDI DT-1	0.32
518	MDT	New 630 kVA DT along with 3 way RMU is to be installed at A-BLK MAJLIS PARK to mitigate the over loading of A-BLK MAJLIS PARK DT-2 & DT-3	0.47
519	MTN	New Feeder from Inderpuri Grid to Police Colony Todapur Substation along with installation of one 3 Way I/D RMU. This scheme is linked with Scheme No. PR/S1304/00038 of CAPEX(14-15). If CAPEX(14-15) scheme shall be dropped then the scheme needs to be revised for new feeder at AIR Substation	0.54
520	MTN	One No. of 3 Way RMU at KVS	0.07
521	MTN	One No. of 3 Way RMU at KVB	0.07



**CAPITALE INFRAStructure 2015-16**

S NO.	District	Proposal (Brief Description)	Estimated Cost (Rs Cr)
522	MTN	One No. of 3 Way RMU at F Block Subzi Mandi Ranjit Nagar	0.07
523	MTN	Additional 250 kVA P/M DT to be installed behind Bus Stand West Patel Nagar (HT1304-29/2-3). LT ABC 25' M + LT UG 30 M	0.13
524	MTN	Additional 250 KVA DT near E block Park by LILO Of f Block-Ranjit Nagar. HT 400 M . LT ABC 100 M LT UG 50M	0.38
<b>TOTAL</b>			<b>155.75</b>

**BUDGET WILL BE LIMITED TO RS 60 CR.**

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e. NEW METERS

It is anticipated that nearly 76000 new consumers would be added during the period 2015-16. In addition to that meters which have become temper prone, faulty/burnt or are tempered would also be replaced for an estimate of Rs 43.95 Cr. The details of additional meters to be installed is given in table below:

S No.	Material/Services	Material/Services Code	Quantity	Unit	Rate	Cost
1	1 PH METER	MATERIAL	70200	EA	960.00	67392000.00
2	3 PH METER	MATERIAL	7300	EA	2500.00	18250000.00
3	100/5 LT CT	MATERIAL	1194	EA	2600.00	3104400.00
4	200/5 LT CT	MATERIAL	1060	EA	2600.00	2756000.00
5	HT CT	MATERIAL	50	EA	19800.00	990000.00
6	2 x 10 CABLE	MATERIAL	1098800	M	45.13	49588844.00
7	2 x 25 CABLE	MATERIAL	117960	M	67.20	7926912.00
8	4 x 25 CABLE	MATERIAL	90000	M	103.29	9296100.00
9	4 x 50 CABLE	MATERIAL	21000	M	153.34	3220140.00
10	4 x 95 CABLE	MATERIAL	36000	M	279.22	10051920.00
11	4 x 150 CABLE	MATERIAL	27000	M	447.05	12070350.00
12	SP3W BUSBAR	MATERIAL	2808	EA	909.97	2555195.76
13	3P3W BUSBAR	MATERIAL	598	EA	2445.00	1462110.00
14	3P8W BUSBAR	MATERIAL	1020	EA	2445.00	2493900.00
15	SP BOX	MATERIAL	61560	EA	249.68	15370300.80
16	LT CT 100/5 BOX	MATERIAL	1194	EA	5275.00	6298350.00
17	LT CT 200/5 BOX	MATERIAL	1060	EA	5275.00	5591500.00
18	MODEM	MATERIAL	9304	EA	2569.00	23901976.00
19	CORD	MATERIAL	9304	EA	114.62	1066424.48
20	PP BOX	MATERIAL	7000	EA	624.13	4368910.00
21	SP METER INST	SERVICES	69600	EA	291.65	20298840.00
22	PP METER INST	SERVICES	4000	EA	343.99	1375960.00
23	LT CT METER INST	SERVICES	2254	EA	950.41	2142224.14
24	HT CT METER INST	SERVICES	50	EA	1009.27	50463.50
25	INST BUS BAR ( SP 3 WAY)	SERVICES	2808	EA	136.78	384078.24
26	INST BUS BAR ( 3P 3 WAY)	SERVICES	598	EA	191.49	114511.02
27	INST BUS BAR ( 3P 8 WAY)	SERVICES	1020	EA	273.56	279031.20
28	INST 2 x 10 CABLE	SERVICES	99600	EA	406.71	40508316.00
29	INST 4 x 25 CABLE	SERVICES	6925	EA	470.92	3261121.00
30	INST 4 x 50 CABLE	SERVICES	1615	EA	727.79	1175380.85



**ANNUAL BUDGET FOR THE YEAR 2015-16**

S No.	Material/Services	Material/Services Code	Quantity	Unit	Rate	Cost
31	INST 4 x 95 CABLE	SERVICES	2770	EA	1027.47	2846091.90
32	INST 4 x 150 CABLE	SERVICES	2075	EA	1027.47	2132000.25
33	CABLE 1.1KV AL 4CX300 SQMM ARM	MATERIAL	250	M	809.40	202350.00
34	BOX METER LT CT RING TYPE 400/5	MATERIAL	25	EA	5336.63	133415.75
35	BOX METER LT CT RING TYPE 800/5	MATERIAL	10	EA	6425.74	64257.40
36	ABT METER	MATERIAL	70	EA	19800.00	1386000.00
37	PREPAID METER 1P 10-60A (P.N)	MATERIAL	600	EA	4000.00	2400000.00
38	PREPAID METER 3P 20-80A (P.N)	MATERIAL	300	EA	9000.00	2700000.00
39	SEAL	MATERIAL	592384	EA	3.14	1860085.76
40	IPC CONNECTORS	MATERIAL	27252	EA	76.90	2095678.80
41	SERVICE CABLE ANCHOR	MATERIAL	158600	EA	85.80	13607880.00
42	CATENARY WIRRE (7/10 SWG GI)	MATERIAL	3730	KG	60.00	223800.00
43	SHACLE INSULATOR	MATERIAL	0	EA	5.88	0.00
44	BUCKLES	MATERIAL	145	EA (1=100)	719.96	104394.20
45	STEEL STRAP	MATERIAL	580	ROL (1=50M)	2283.64	1324511.20
46	TENSION SCREWS	MATERIAL	0	EA	363.14	0.00
47	DISTRIBUTION BOX	MATERIAL	7251	EA	1425.65	10337388.15
48	RING CT 400/5 A	MATERIAL	60	EA	507.29	30437.40
49	RING CT 200/5 A	MATERIAL	60	EA	574.72	34483.20
50	CABLE 1.1KV CU 10CX4 SQ MM	MATERIAL	200	M	179.80	35960.00
51	CABLE 1.1KV CU 10CX2.5 SQ MM	MATERIAL	400	M	185.91	74364.00
52	Vehicle Hire Charges	SERVICES				16685460.00
53	Document Scanning & Maintanance Charges	SERVICES				2865180.00
54	Performance Based Contract for MMG activities	SERVICES				7910144.00
55	Expenditure of CMG,MMG(Document entry)	SERVICES				2966304.00
56	Expenditure of CMG SITE VERIFICATION AND COURIER	SERVICES				12300000.00
57	Jclips	SERVICES				1350144.00
58	Slotted Angle	SERVICES				28639980.00
59	Angle Bracket	SERVICES				7818201.60
<b>TOTAL</b>						<b>439473770.6</b>



f. LT WORKS

Following works have been planned to meet the anticipated load growth for an estimate of Rs 0.41 Cr.

S.NO	Proposal (Brief Description)	Estimated Cost (Rs Cr)
1	4000 SL points already added and PWD has informed that 8000 points will be handed over, within next one year. So Two TW's are proposed to be procured.	0.41

*Mr*

#### 4. CREATION OF INFRASTRUCTURE FACILITIES AND ADMINISTRATIVE BUILDING

An investment of Rs 45.43 Cr has been proposed for FY 15-16. The break-up is as below:

Budget Head	Sub-categories	Estimate Rs Cr)
Infrastructure Development Schemes	Civil Infrastructure Projects	2.00
	Information Technology	10.00
	Administration support	10.00
SUBTOTAL-Infrastructure Development Schemes		22.00

*Mr*

a. ADMINISTRATION SUPPORT

TPDDL proposes as under:

S NO.	Proposal (Brief Description)	Estimated Cost (Rs Cr)
1	Standalone Acs (WAC / SAC)Qty=250	0.95
2	Duct AC UnitsQty=12	0.18
3	Water CoolerQty=25	0.10
4	RO SystemQty=50	0.10
5	ChairsQty=1200	1.44
6	Office TableQty=10	0.02
7	AlmirahQty=150	0.18
8	File RackQty=150	0.15
9	ProjectorQty=10	0.04
10	Digital CameraQty=25	0.03
11	RefrigeratorQty=10	0.03
12	Microwave ovenQty=20	0.04
13	FanQty=250	0.05
14	TVQty=10	0.04
15	Miscellaneous (Heater/Fan/Exhaust Fan/Geyser/TV etc.)Qty=10	0.15
16	Attendance MachinesQty=15	0.06
17	Photocopier MachinesQty=70	0.19
18	Mobile Hand Set (Standard)Qty=5	0.06
19	EPABX SystemQty=200	0.25
20	Telephone instrument for Extn. LinesQty=10	0.02
21	Tel. Instrument (2 way Comm.) Qty=2	0.01
22	Company owned vehicle Qty=2	0.12
23	Company owned vehicle under Employee Scheme Qty=100.	7.00
<b>TOTAL</b>		<b>11.21</b>

**BUDGET WILL BE LIMITED TO RS 10 CR.**





b. CIVIL INFRASTRUCTURE

The details of proposed investment of Rs 2 Cr is as under:

S NO	Proposal (Brief Description)	Estimated Cost (Rs Cr)	Scheme No./Notification No. If any	District
1	TOWN CIRCLE	0.30	CV/C0000/00230	Shakti Nagar, Civil Lines, Model Town
2	CITY CIRCLE	0.20	CV/C0000/00231	Motinagar
3	SUB URBAN CIRCLE	0.15	CV/C0000/00232	Narela, Bawana
4	METRO CIRCLE	0.85	CV/C0000/00233	Mangolpuri, Pitampura, Keshavpuram
5	URBAN CIRCLE	0.50	CV/C0000/00234	Rohini, Shalimarbagh, Badli
		2.00		



## c. INFORMATION TECHNOLOGY

TPDDL proposes as under:

S.No.	Proposal (Brief Description)	Estimated Cost (Rs Cr)	Scheme No./Notification No. if any
1	Hard disk for Centralized Storage	0.5	IT/I0000/00012
2	EMS & NMS	0.8	IT/I0000/00018
3	Additional SAP Licenses for consumer/revenue growth	0.5	IT/I0000/00031
4	Microsoft Enterprise Agreement (software item) for additional 600 licenses	2.1	IT/I0000/00035
5	Replacement of AIX servers older than seven years	1	IT/I0000/00008
6	Additional Intel based Servers for DC1 and replacement of old Servers at DC2 (older than 7 years)	1	IT/I0000/00009
7	SAN Switch for Additional Servers	0.5	IT/I0000/000011
8	Minimize Tape based Backup by implementing data domain based backup	0.4	IT/I0000/000015
9	Security Information and Event Management System	0.3	IT/I0000/000019
10	Networking Equipment	1	IT/I0000/000020
11	Power Plant for Communication Equipment	0.2	IT/I0000/000021
12	Migration of RF Links to OFC Links for improving reliability	0.35	IT/I0000/000023
13	Use existing communication infrastructure for replacement of EPABX	0.35	IT/I0000/000024
14	Augmentation of Office Automation Equipment like Projector, Display Screen etc.	0.2	IT/I0000/00028
15	Workflow based Document Management System & associated hardware	0.95	IT/I0000/00029
16	Load flow planning software licenses (Cyme)	1.06	IT/I0000/00032
17	Licenses for various softwares for Corporate Communication (Corel, Photoshop CS 5, Illustrator, etc.)	0.25	IT/I0000/00033
18	Integrated Communication Technologies	17.33	AU/T0000/00003
19	Mobile solutions for online meter Protocol entry & No Supply complaints closure through OMS	1.13	
20	Hardware & related software for implementation of ToD for 10 KW to 50 KW and net metering consumers	0.9	
21	Microsoft Project Licenses for 25 users	0.5	
22	Cyber Security- Firewall, Antivirus, Antispam & Dynamic authentication	0.9	
23	Tertiary Data Center	16.88	
TOTAL		49.10	

BUDGET WILL BE LIMITED TO RS 10 CR.

