



ANNUAL ADMINISTRATION REPORT



FY-2015-16

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EXECUTIVE SUMMARY OF AAR-2015-16

New Sub-stations & Switching Stations as on March-2016

Voltage Level	As on 31.03.2015	Added During 2015-16	As on 31.03.2016
33/11 KV Substion	2613	109	2722
33/22 KV Substion	43	2	45
22/11 KV Substion	119	7	126
22 KV Switching Station	144	9	153
11 KV Switching Station	6	0	6
Total	2925	127	3052

Total Power Transformer as on March-2016

Voltage Level	As on 31.03.2015		Added During 2015-16		As on 31.03.2016	
	Nos.	Capacity (In MVA)	Nos.	Capacity (In MVA)	Nos.	Capacity (In MVA)
33/11 KV	4486	24016	237	1510	4723	25526
33/22 KV	76	518	3	44	79	562
22/11 KV	243	2342	13	140	256	2482
Total	4805	26876	253	1694	5058	28570

Total Distribution Transformer as on March-2016

Voltage Level	As on 31.03.2015		Added During 2015-16		As on 31.03.2016	
	Nos.	Capacity (In MVA)	Nos.	Capacity (In MVA)	Nos.	Capacity (In MVA)
3 Ø 33/0.415 KV	28	2.65	1	0.41	29	3.06
3 Ø 22/0.415 KV	52676	10435	2707	861	55383	11296
3 Ø 11/0.415 KV	387599	36761	21808	2595	409407	39356
1 Ø 11/0.240 KV	83280	1830	889	18	84169	1848
Total	523583	49029	25405	3474	548988	52503



EXECUTIVE SUMMARY OF AAR-2015-16

Total Distribution Line network as on March-2016						
Voltage Level	As on 31.03.2015		Added During 2015-16		As on 31.03.2016	
	OH	UG	OH	UG	OH	UG
33 KV	39405	707	1054	94	40459	801
22 KV	29320	2605	107	238	29427	2843
11 KV	266401	3694	7834	167	274235	3861
415 V & Below	596737	10920	20353	582	617090	11502
Total	931863	17926	29348	1081	961211	19007

Note: OH- Overhead UG-Underground

BRIEF PROGRESS OF VARIOUS SCHEMES

1. 33 kV and 22 kV lines and sub-stations commissioned during 2015-16

During the year 2015-2016 the M. S. E. D C. Ltd. Commissioned 118 new (33/11kV, 33/22 KV & 22/11 kV) Sub-Stations and 9 Nos of new 22/22 kV, 11/11 kV Switching Stations. The transformer capacities have also been augmented at 93 Nos. existing 33, 22 kV Sub-Stations during the year under system improvement scheme, APDRP, Backlog & Infrastrucuter Plan Project.

Sr.No.	Particulars	Achievement During 2015-16
1	Capacity added in S/Stn.33/11 kV,33/22 kV and 22/11 kV	1694 MVA
2	Sub-transmission lines energized 33 kV, 22 kV	1493 Ckt-km

2. System Improvement Schemes :

In order to reduce the distribution losses 118 nos. of new substations & 9 Nos of new switching stations are added during year 2015-16 as above. Further to reduce the commercial losses, the I.R meters were installed in place of electro mechanical meters and for faulty meters replacement.

3. Accelerated Power Development Reform Programme (APDRP) & R-APDRP

GOI has initiated a scheme named "R-APDRP" to focus on establishment of baseline data and fixation of accountability and reduction of AT & C losses through strengthening & upgradation of sub transmission and distribution network and adoption of Information Technology during XI Plan.

- Proposed to cover urban areas- Towns and cities with population of more than 30,000
- Project shall be taken up in Two parts Part'A' and Part'B'
- Part A shall include the projects for establishment of Base Line Data and IT applications for energy Accounting /Auditing and IT Based Consumer Service centers.
- Part B shall include regular distribution strengthening and augmentation projects to reduce AT&C Losses upto 15%.

i. Funding Mechanism for R-APDRP Project

Initially GOI will provide 100% Loan for Part A and 25% loan for Part B projects on the terms decided by Ministry of Finance. The Loan of Part A is converted into grant once establishment of the required system is achieved.

The balance funds (75 %) for Part B projects shall be raised from financial institutions. The entire loan from Gol is routed through financial institutions for the respective schemes funded by them.

ii. Conversion of loan into Grant

- **Part A:** The loan shall be converted into grant once the establishment of the required system is achieved and verified by the independent agencies. The interest on the converted Loan shall be capitalized. No conversion to grant will be made in case Part A is not completed within 5 years from the date of sanctioning of the project.

- **Part B:** Up to 50% loan of Part-B projects shall be converted into grant in five equal tranches on achieving the 15% AT&C loss in the project area on a sustainable basis for a period of five years. If the utility fails to achieve or sustain the 15% AT&C loss target in a particular year, that year's tranche of conversion of loan to grant will be reduced in proportion to the shortfall in achieving 15% AT&C loss target from the starting AT&C loss figure.

iii. RAPDRP Part A:

Part A shall include the projects for establishment of Base Line Data and IT applications for energy Accounting /Auditing and IT Based Consumer Service centers. The Expenditure of R-APDRP Part A as on 31.03.2015 is Rs 227.86 Crs
Achievements of R-APDRP Part A is as under:

- 128 Towns with population more than 30, 000 (Census 2001) selected for Implementation of R-APDRP Part A
- Loan amounting to Rs 315 Crs for 128 towns is sanctioned by PFC on 19.03.10.
- All 128 towns Declared as go-Live as on Oct'14.
- After declaration of Go live of towns the TPIA (M/s PWC Ltd) appointed by PFC has started their work in April -2015. The verification is completed. Reports are awaited
- The Expenditure of R-APDRP Part A as on 31/3/2016 is Rs 222.35 Crs.

iv. SCADA Part A :

PFC has sanctioned 8 towns with population of More than 4 Lakh and Annual energy Input more than 350 MU for implementation of SCADA/ DMS amounting to Rs. 161.62 Crs.. The eligible towns are **Amravati, Nasik, Pune, Malegaon, Sangli, Solapur, Greater Mumbai, and Kolhapur**. The Scope of SCADA Part A is as under:

- Establishment of SCADA/DMS control center in eight specified towns.
- Integration with IT system being implemented under R-APDRP Part-A
- Establishment of Data Recovery Center at Nagpur
- Supply, installation, integration and commissioning of RTUs at all 66/33/22/11kV S/S,

- FRTUs at locations of RMUs on 11kV Distribution networks etc.
- SCADA/DMS system for control and supervision of 33/11kV S/S and 33KV & 11kV

The Achievements of SCADA Part A are as below:

- LOA for Implementation of SCADA /DMS in 8 towns issued to M/s SIEMENS Ltd on 13.12.2011 for Rs 103.4 Crs.
- Works of all SCADA Control centers in 6 Towns are completed. Commissioning of 175 RTU and 1353 FRTU completed.
- The Expenditure of SCADA (Part A) as on 31/3/2016 is Rs 32.04 Crs.

v. SCADA Part B :

PFC has sanctioned 8 towns for SCADA enabling works amounting to Rs 189 crs. The Towns sanctioned by PFC are Greater Mumbai, Amravati, Solapur, Sangli , Malegaon, Pune, Nashik and Kolhapur.

- **Scope of SCADA Part B:**

Installation of equipments required for automation such as Ring Main Units, numerical Relays for the Protection of 11 Kv feeders, Capacitors and incomers, Automatic Voltage regulators, winding Temperature Indicator and Oil temperature Indicator for Power Transformers etc.

Achievements of SCADA Part B:

- The Contract awarded to M/s Leena Powertech for SCADA Part B works in process (Contract Cost - Rs 110.62 Crs)
- LoA issued on dt 14/5/2015 to M/s Maha Active Engineers Pvt Ltd JV with M/s Linear Enterprises (Contract Cost – Rs 14.34 Crs)
- 1370 RMU Commissioned , Installation of 2222 Relays and 360 WTI-OTI/AVR Completed in 8 towns
- The Expenditure of SCADA (Part B) as on 31.03.2016 is Rs. 78.48 Crs

vi. RAPDRP Part B:

Part B shall include regular distribution strengthening and augmentation projects to reduce AT&C Losses upto 15%.

PFC has sanctioned 123 towns DPRs for RAPDRP Part B amounting to 3314.20 Crs, vide following letters:

- Sanction Letter No: 02:10:R-APDRP(P-B):I:2010:MSEDCL dtd 8/6/2010
- Sanction Letter No: 02:10:R-APDRP(P-B):II:2010:MSEDCL dtd 23/8/2010
- Sanction Letter No: 02:10:R-APDRP(P-B):I:2010:MSEDCL dtd 11/3/2011
- Sanction Letter No: 02:10:R-APDRP(P-B):II:2010:MSEDCL dtd 30/6/2011

Out of the 123 towns, tenders were floated for implementation of RAPDRP Part B scheme in 120 towns and LoA's were issued for all 120 Towns in the m/o Jan, Feb, Mar, May & July 2012 amounting to Rs 1696.21 Crs.

- The Expenditure of RAPDRP Part B as on 31.12.2015 is Rs. 1257.01 Crs
LoA's for RAPDRP Part B scheme are issued to following contractors:

Sr. No.	Zone	Name of Contractor	Tender No.	Date of LOA
1	Amarawati	M/s Ashoka Buildcon Ltd.	T01	19.01.2012
2	Aurangabad & Nanded	M/s Ashoka Buildcon Ltd.	T02	19.01.2012
3	Baramati	M/s Space Age Associates Power-Infra Pvt.Ltd.	T03	25.01.2012
4	Jalgaon	M/s GTL Ltd.	T04	19.01.2012
5	Jalgaon	M/s Das & Brothers	T04A	29.03.2014
6	Jalgaon	M/s ADCC	T04D	28.05.2015
7	Kalyan	M/s GTL Ltd.	T05	19.01.2012
8	Kalyan	M/s Prolific	T05A	15.12.2014
9	Kalyan	M/s Shiva	T05B	15.12.2014
10	Kolhapur	M/s Sunil Hi-Tech Engineers Ltd.	T06	19.01.2012
11	Konkan	M/s Prakash Electrical Corp	T07	24.05.2012
12	Latur	M/s Ashoka Buildcon Ltd.	T08	19.01.2012
13	Nagpur (R) & (U)	M/s Sunil Hi-Tech Engineers Ltd.	T09	19.01.2012
14	Nashik	M/s Bharat Electrical Contractors & Mfg (P) Ltd.	T10	21.01.2012
15	Pune	M/s Shalaka Infra-Tech (I) Pvt.Ltd.	T11	17.03.2012
16	Pune	M/s Jyoti Structure Ltd.	T12	17.03.2012
17	Thane(BZ) - 2nd	M/s Supreme Infrastructure Ltd.	T12	04.07.2013
18	Wagale Estate (BZ)	M/s Patel Engineering Ltd.	T13	21.01.2012
19	Mulund-Bhandup (BZ)	M/s S.T. Electricals Pvt.Ltd.	T14	14.03.2012
20	Ambernath-Badlapur-UIhasnagar (KZ)	M/s Accurate Transformers Ltd.	T15	03.02.2012
21	Kalyan-Dombivli (KZ)	SMS Infastructure Ltd.	T16	19.01.2012
22	Pandharpur (Baramati Zone)	M/s Patwari Electricals	T17	06.07.2012

The achievements upto 31.03.2016 are as given below:

Sr No	Activities	unit	Scope	Achievement
1	New Substations	Nos	137	116
2	Aug Of Power Transformer	Nos	27	26
3	Add of Power Transformer	Nos	32	31
4	H.T O/H Lines + U/G Cable	Kms	3737	2591
5	L.T O/H Lines + U/G Cable	Kms	2359	1873
6	New Dist.T/F HVDS	Nos	6358	5487
7	Aug of Dist T/f	Nos	3691	3455
8	Ariel Bunched Cable (80 towns only)	Kms	823	524

4. Integrated Power Development Scheme (IPDS-I)

Government of India has launched Integrated Power Development Scheme (IPDS) for Urban area (Statutory Towns) only.

Objectives of IPDS:

1. 24 X 7 Hrs Power supply for consumers.
2. Strengthening of electrical distribution network.
3. Reduction of AT&C Losses.

Componenets of IPDS:

1. The existing scheme of R-APDRP will be subsumed in this new IPDS scheme.
2. The projects under the scheme shall be formulated for urban areas (statutory towns) having population more than 5000 as per census 2011.

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Proposed Works in IPDS:

1. New sub-stations – 128 Nos.
2. Aug. of sub-station – 58 Nos.
3. HT Line (overhead) – 4637.89 Kms
4. HT Line (underground) – 2530.05 Kms
5. LT Line (overhead) – 2610.89 Kms

6. LT Line (underground) – 3467.77 Kms
7. LT Line – 2530.04 Kms
8. New Distribution Transformers – 5678 Nos
9. Solar Panels (Rooftop) – 23769 KW (Rs.166.38 Crs)
10. Feeder, Dist.Transformers & Consumers static meters (Rs.112.02 Crs)

The R.I charges of Rs.627.81 Crs have been considered for works of underground cables.

The DPR's of amounting **Rs.3175.15 Crores** of Maharashtra state were submitted to the Nodal Agency, PFC for sanction from Govt. of India. The DPR's have been prepared as per the guidelines of IPDS & in consultation with local MP's. Letters from MP's regarding preparation of DPR's in their consultation have been obtained. Government of India has given circlewise approval amounting to **Rs.2405.08 Crs.** on Dt.16.3.2016.

4.1 Smart City Scheme

Government of India has launched Integrated Power Development Scheme (IPDS) for Urban area (Statutory Towns) only.

Objectives of Smart City Scheme

1. 24 X 7 Hrs Power supply for consumers.
2. Strengthening of electrical distribution network.

Now, Government of India has launched SMART CITY Scheme. The main objective of this scheme is to provide reliable power supply and strengthen the infrastructure of smart cities which are selected on the basis of population. The time frame for the scheme is 5 years (2015-16 to 2019-20). In Maharashtra state, 10 such cities selected by Government of India are as follows: Amravati, Aurangabad, Kalyan-Dombivali, Mumbai, Thane, Nagpur, Nashik, Navi-Mumbai, Pune and Solapur.

DPRs for these selected cities are prepared in accordance with the guidelines issued by PFC for IPDS scheme considering following main infrastructural development.

- o Conversion of Overhead distribution lines to Underground
- o New substations, Capacity Enhancement, Additional power transformers
- o Roof top Solar Panels
- o New Distribution Transformer

The financial details of DPR's for 10 smart cities under Maharashtra state are as follows:

Sr.No	Name of Smart City	Amount proposed (Rs. in Crs)
1	Mumbai	225.82
2	Thane	249.51
3	Navi Mumbai	194.31
4	Kalyan – Dombivli	147.41
5	Nashik	200.97
6	Pune	204.17
7	Aurangabad	143.19
8	Amravati	179.29
9	Nagpur	393.95
10	Solapur	158.09
Total		2096.71

The physical details of Smart city scheme are as below:

Work	Qty	Amount (Rs. in Crs)
New Sub-station	17	51.64
Additional Power Transformers	6	8.55
Capacity enhancement of Power Transformers	17	18.62
LT Aerial Bunch Cables	438.7	46.32
Underground cables		
1. 33 KV	224	66.76
2. 22 KV	662	166.5
3. 11 KV	1073	176.4
4. LT	8462	363.1
New Distribution Transformers	612	67.11
Solar Panels (Rooftop)	127	0.88

Detailed Project Reports (DPRs) of aforesaid towns have been prepared and submitted to GoI for approval.

4.2 Smart Grid Project

Ministry of Power has taken up the initiative for establishing Smart Grid in some cities in India. In Maharashtra it is proposed to implement this scheme in Amravati Town and Congress Nagar Division, Nagpur.

Objectives:

- (i) Reliability.
- (ii) System costs and peak demand.
- (iii) Analysis of response to system disturbances.
- (iv) Operating resiliency.
- (v) Optimization of asset utilization and operating efficiency of the electric power system

Scope:

1. Amravati Town :

The consumers are 145896 nos. and Project cost 133.56 Crs.

- a) AMI for Residential, Commercial & Industrial consumers
- b) OMS
- c) Demand Response for selected Consumers

2. Congress Nagar Division, Nagpur :

The consumers are 122688 nos. and Project cost 208.94 Crs.

- a) AMI for Residential, Commercial & Industrial consumers
- b) OMS with SCADA / DMS
- c) Demand Response for selected Consumers.

Maharashtra State prepared two DPRs for Smart Grid Project for Amravati town and Congress Nagar Division, Nagpur and sent to Central Govt for approval. Out of which The DPR for Amravati town is sanctioned by Gol on 22.04.2016 and the approval for Congress Nagar Division is awaited.

5. Infrastructure Plan

Execution of Infrastructure projects was partly departmentally (Urgent Six Months work) and partly on turnkey basis.

The **expenditure** incurred **till March 2016 under**

1) Infrastructure Plan scheme I – Rs. 10749 Crs

2) Infrastructure Plan scheme II – Rs. 2620 Crs

The achievements done are as given below –

Sr . No	Major Works	Unit	Achievements up to Mar' 2015 (Infra I)	Achievements up to Mar' 2015 (Infra II)	Achievements during 2015-16 (Infra II)
1	New Substation	Nos.	610	20	163
2	Augmentation of Power T/F	Nos.	384	40	109
3	Additional Power T/F	Nos.	502	78	121
4	HT Lines	Kms.	44658	3867	8808
5	LT Lines	Kms.	12761	3686	9102
6	New Distribution Transformer	Nos.	73219	8143	16007

a. Single Phasing

Due to limitations of the available Generation capacity, the load shedding is required to be done especially during morning & evening peaks. In order to make supply available to domestic consumers during peak load hours especially in the evening and night, single phasing scheme is being implemented.

Single phasing is done in three stages i.e. Phase-I, Phase-II & Phase -III. Single phasing Phase-III is being implemented on the same feeders which were already covered in Single phasing Phase-I & II to cover the balance villages and wadies.

Single phasing Phase- I was completed in July 2006 covering 1186 Nos of feeders, the villages benefited & Load management due to this scheme are 8085 Nos & 1153 MW respectively. Phase -II was completed in June 2008. Single phasing Phase-II scheme was implemented for 768 nos. of feeders. Because of this 3877 nos. of villages are benefited and a load management of 722 MW is achieved.

Under Single phasing Phase-III and Single Phasing Scheme for left out Villages/Wadies, achievements till 31.03.2016 are as given below.

Sr. No.	Details	SPP-I	SPP-II	SPP-III	SPP Left-out
1	No. of DTC	11427	7126	4866	6972
2	No. of Villages covered	8085	3877	1880	2667
3	No. of Wadies covered	-	-	2477	3467
4	Expenditure upto Mar 2016 (Rs. In Crores)	213	214	178	250

b. Gaothan Feeder Separation Scheme (GFSS):-

The Gaothan Feeder Separation Scheme (GFSS) Phase -I is sanctioned for 20 districts & total feeders to be commissioned are 1498 nos. The scheme is completed. 1498 No. of feeders are separated under the said Scheme which has benefited 6932 No. of villages & Load relief of 1905 MW is achieved.

GFSS Phase -II is being implemented in 25 districts, the brief scope of this scheme covers 895 feeders, 7005 nos. of villages and load management envisaged is of 1088 MW. The Scheme is completed except Amravati Zone. 892 No. of feeders are separated under the said Scheme which has benefited 6775 No. of villages & Load relief of 995 MW is achieved.

GFSS-III Scheme is being implemented on same feeders already covered under GFSS-I for giving benefit to previously uncovered villages the brief scope of this scheme covers 434 nos. of villages out of which 328 No. of villages are benefited as on March 2016.

GFSS Left-out Scheme is being implemented for villages/wadies which are not covered under GFSS-I& II Schemes, the brief scope of this scheme covers 1131 feeders, 3592 nos. of villages and load management envisaged is of 628 MW. As on Mar 2016, the Scheme has benefited 3148 No. of Villages and Load relief of 362 MW is achieved.

Further, GFSS-Shrirampur is implemented for Shrirampur Division under Ahmednagar Circle. The Scheme is completed. 151 No. of Villages are benefited under the said Scheme and Load relief of 72 MW is achieved.

The Brief Summary of progress GFSS Projects till 31.03.2016 is as follows:

Sr No	Particulars	GFSS-I	GFSS-II	GFSS-Shrirampur	GFSS-III		GFSS Left Out	
		Ach'mt	Ach'mt	Ach'mt	T	A	T	A
1	No. of DPS	9551	8255	655	2234	1797	7337	6489
2	No. of villages covered	6932	6775	151	434	328	3592	3148
3	Expenditure upto May-2016 (Rs. In Crores)	816	950	57	231	212	721	660

- Target, A= Achievement.

c. Installation of LT Fixed Capacitors

The LT Fixed Capacitors Scheme is being implemented in Ag dominated areas. The scope of this scheme covers installation of 25 kVAR (23073 Nos.) & 30 kVAR (22258 Nos.) LT APP Shunt Capacitors on 63 kVA & 100 kVA Distribution Transformers respectively. The Scheme is completed. Final progress of the Scheme is as below:

Scheme Name	Contract Value (Rs. in Crs.)	No. of 25 KVAR Capacitors installed	No. of 30 KVAR Capacitors installed	Total Capacitors installed
Installation of LT Fixed Capacitors	46.98	23153	22161	45314

d. Reactive Power Planning for reducing T&D losses :

There are 2342.54 MVAR station type capacitor banks installed, 2382.69 MVAR Line capacitors and 1082.15 MVAR LT capacitor Banks are installed as on 31.03.2016.

e. Non Conventional Sources Of Energy : CONSERVATION OF ENERGY

Use of Non-conventional Sources of energy to supplement conventional energy.

1) Wind Energy projects in Maharashtra :

The total installed capacity of wind power projects in the state as on 31.03.2016 is 4,652 MW. The wind power projects are situated mainly in the following Districts. Satara, Sangli, Ahmednagar, Dhule, Nandurbar, Nashik, Beed, Pune, Amravati, Sindhudurg, Kolhapur. Most of these wind power projects have been developed by private investors.

Out of 4652 MW of total installed capacity, the wind power projects of capacity around 3,012 MW are selling wind energy to MSEDCL through Long Term/Short Term Energy Purchase Agreements.

2) Cogeneration Projects in Maharashtra :

A co-generation facility is defined as one, which simultaneously produces two or more forms of useful energy such as electrical power and steam.

MSEDCL has executed EPA's with installed generation capacity to the tune of 2,000 MW as on 31.03.2016 out of which the projects commissioned in the F.Y. 2015-16 is 134 MW. The total commissioned capacity as on 31.03.2016 is 1,776 MW. The figures in respect of total EPAs executed has been verified and reconciled with MEDA. Also, co-generation plants which were commissioned and subsequently closed have been omitted from the total EPA executed capacity with MSEDCL.

Further GoM has initiated various schemes to encourage co-generation in the state such as co-generation projects based on BOOT policy.

3) Biomass IPP Projects :

19 Nos. of EPA are executed involving installed capacity generation to the tune of 211 MW. The installed generation capacity in operation for sale to MSEDCL upto 31.03.2016 is 157 MW and the new projects commissioned in the F.Y.2015-16 is 10 MW.

4) Small Hydro Projects :

Hydro Projects upto 25 MW capacity are considered as Small Hydro Power projects and treated as NCE sources. MSEDCL is procuring power from MSPGCL's small hydro power projects (approx. 182 MW); from Government owned and also from private small hydro power projects.

The contracted capacity (Sale to MSEDCL) of private and Govt. owned small hydro power projects upto 31.03.2016 is 68.825 MW out of which the projects commissioned in F.Y. 2015-16 is 3 MW. The total commissioned capacity as on 31.03.2016 is 68.375 MW.

5) Solar Projects :

MSEDCL has executed long term EPAs with private Solar Power Project Developers under various schemes of Gol and with MSPGCL for total capacity of 327 MW for meeting solar RPO target. Also, Power Sale Agreement (PSA) for 500 MW is under process with Solar Energy Corporation of India (SECI) under JNNSM Batch - III of Phase – II. Also consent for purchase of additional 500 MW is also given to SECI. As on 31.03.2016 the commissioned capacity of the solar projects selling power on long term basis to MSEDCL is 252 MW.

f. RURAL ELECTRIFICATION 2015-16 :

i) Village Electrification and Energisation of Agricultural Pumps :

100% village electrification has been achieved in Maharashtra State as on 31-03-1989. However as per revised definition of village electrification 41203 nos. of villages, out of which 41138 nos. of villages have been electrified as on 31.03.16. 298 Nos. of Villages are unelectrified out of which 4 villages in Amravati are shifted, 4 villages in Raigarh can't be electrified conventionally due to dense forest issue, 01 Village in Pune cannot be done and 9 villages are proposed in other schemes. So Balance 280 nos. of villages are to be electrified.

The company has energized 1,30,000 agricultural pumpsets during the year 2015-16. With the implementation of this programme, total pumpsets energized in the State are 39,25,893.

ii) ELECTRIFICATION OF DALIT BASTIS :

As a policy, the M.S.E.D.C.Ltd. invariably covers electrification of attached Dalit Bastis, if any, while sanctioning the estimate for electrification of Gaothan. All the 33,711 Dalit Bastis, feasible for electrification, have been electrified as on 31-03-1998.

iii) TRIBAL SUB-PLAN :

There are 8399 nos. of villages and 29 nos. of towns under tribal, as per Census 2001.

The M.S.E.D.C.Ltd. has also energized 789 agricultural pumpsets in tribal sub-plan area during 2015-16 bringing the total no. of pumpsets energized in tribal sub-plan area to 1,57,135.

iv) DOMESTIC CONNECTIONS TO WEAKER SECTIONS :

Since 1-10-1976, the Board is releasing domestic connections without charging normal service connection charges to Weaker Sections of Society, Viz. (1) Schedules Castes (2) Schedules Tribes (3) Nomadic Tribes (4) Vimukta Jatis and (5) Nav Buddhists. During 2015-2016 a total of 10,343 such connections have been released, out of which 6,169 pertains to Scheduled Castes and Nav Buddhists. So far a total of 17, 59,639 connections have been released to these five categories, out of which 10,16,497 pertains to Scheduled Castes and Nav Buddhists.

g. Deen Dayal Upadhyay Gram Jyoti Yojana

Govt. of India launched Deen Dayal Upadhyay Gram Jyoti Yojana (DDUGJY) in rural areas for creation of infrastructure for distribution of energy.

• Main Objectives :

Separation of Agriculture and Non-Agriculture Feeders, Strengthening and Augmentation of Sub-transmission and Distribution Infrastructure in Rural Areas including metering, Creation of infrastructure for connecting unconnected RHH including BPL beneficiaries & Modernization & strengthening of infrastructure in villages selected under Sansad Adarsh Gram Yojana (SAGY).

- **Provision of funds :**
 - 60% Grant Central Government.
 - 10% Utility/ State Governemnt
 - 30% Loan from FIs/ Banks

Additional grant of 50% of loan component i.e. 15% will be released subject to achievement of milestones. MoP has approved **Rs. 2152.68 Crs** as final DPR amount for 37 Projects in 33 Districts in Maharashtra for following scope.

Further, Monitoring Committee of Ministry of Power (GOI) has approved Districtwise /Component wise DPRs amounting to Rs. 2152.68 Crs for 33 Districts (37DPRs) of DDUGJY for Maharashtra State in the meeting held on 10th December, 2015.

Sr. No.	Particulars	Amount (Rs. in Crs.)
1.	Feeder Separation	700
2.	Connecting unconnected RHH including BPL beneficiaries	448.79
3.	Strengthening and Augmentation of Sub-transmission and Distribution Infrastructure	984.92
4.	Sansad Adarsh Gram Yojana	18.97
Total Project Cost (DPR)		2152.68

Scope of work:

Sr. No.	Particulars	Unit	Details
1.	New Substations	Nos.	215
2.	Augmentation of substations	Nos.	52
3.	Additional power transformer	Nos.	48
4.	HT Line	kM	19417
5.	LT Line	kM	6218.4
6.	Distribution Transformers	Nos.	10924

Due to huge quantum of work to be done & additional funds required, Additional DPRs for Rs. 2964.96 Crs have been prepared for 37 projects in 33 Districts as per the guidelines given by REC/ MoP & in consultation with local MPs after considering technical feasibility & financial viability of the work proposed. These additional DPRs are submitted to State Level Standing Committee of GoM for recommendation.

Financial Details for Additional Project cost of Rs.2964.96 Crs (Ph-2):

Sr. No.	Particulars	Amount (Rs. in Crs.)
1.	Feeder Separation	983.02
2.	Connecting unconnected RHH including BPL beneficiaries	306.84
3.	Strengthening and Augmentation of Sub-transmission and Distribution Infrastructure	1633.68
4.	Sansad Adarsh Gram Yojana	2.29
5.	Metering	39.14
Total Project Cost (DPR)		2964.96

Scope of work:

Sr. No.	Particulars	Unit	Details
1.	New Substations	Nos.	185
2.	Augmentation of substations	Nos.	62
3.	Additional power transformer	Nos.	93
4.	HT Line	kM	25102.21
5.	LT Line	kM	11755.92
6.	Distribution Transformers	Nos.	16542
7	Replacement of meters 1 Ph. 3 Ph.	Nos. Nos.	338962 15713

STATEMENT SHOWING DETAILS OF POWER T/Fs IN SERVICE AS ON 31.3.2016

Name of Undertaking :- MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LTD.

Voltage Ratio	Capacity	AMTZ	AKLZ	AZ	NADZ	LZ	KLNZ	KZR	KOPZ	NSKZ	JLGZ	BUZ	BMTZ	PZ	GONZ	CHDZ	NZ	TOTAL	TOTAL	
	in MVA	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	NOS.	CAPACITY IN MVA	
33/11 kV	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	40.00	
	10	29	6	18	12	6	4	0	80	86	22	49	51	10	14	27	93	507	5070.00	
	7.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7.50
	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	5	215	281	291	321	450	44	92	331	597	365	4	521	58	69	71	156	3866	19330.00	
	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4.00
	3.15	19	21	18	18	32	4	16	4	45	67	0	22	3	3	7	13	292	919.80	
	3	7	5	2	1	11	1	0	5	9	5	0	2	0	0	0	0	0	48	144.00
	2.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2.50
	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	1.6	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	3.20
	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	4.50
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
TOTAL		272	313	330	352	499	53	110	420	737	459	53	596	71	86	108	264	4723	25525.50	
33/22 kV	12.5	0	0	0		0	0		0			0	3	0	0	0	0	3	37.50	
	10	0	0	0		0	0		0			2	23	5	0	0	0	30	300.00	
	6.5	0	0	0		0	0		0			0	0	0	0	0	0	0	0.00	
	4.5	0	0	0		0	0		0			0	0	0	0	0	0	0	0.00	
	5	0	0	0		0	7		0			0	37	0	0	0	0	0	44	220.00
	3.15	0	0	0		0	0		0			0	0	0	0	0	0	0	0.00	
	3	0	0	0		0	1		0			0	0	0	0	0	0	0	1	3.00
	2	0	0	0		0	1		0			0	0	0	0	0	0	0	1	2.00
TOTAL		0	0	0	0	0	9	0	0	0	0	2	63	5	0	0	0	79	562.5	
22/11 kV	12.5	0	0	0		0			0	0		3	0	0	0	0	0	3	37.50	
	10	0	0	0		0			0	1		132	0	103	0	0	0	236	2360.00	
	5	0	0	0		0			0	1		4	0	12	0	0	0	17	85.00	
	3.15	0	0	0		0			0	0		0	0	0	0	0	0	0	0.00	
	3	0	0	0		0			0	0		0	0	0	0	0	0	0	0.00	
	2.6	0	0	0		0			0	0		0	0	0	0	0	0	0	0.00	
	1.5	0	0	0		0			0	0		0	0	0	0	0	0	0	0.00	
	1	0	0	0		0			0	0		0	0	0	0	0	0	0	0.00	
TOTAL		0	0	0	0	0	0	0	0	2	0	139	0	115	0	0	0	256	2482.50	
GRAND TOTAL		272	313	330	352	499	62	110	420	739	459	194	659	191	86	108	264	5058	28570.50	

STATEMENT SHOWING DETAILS OF DISTRIBUTION T/Fs IN SERVICE AS ON 31.3.2016

Name of Undertaking :- MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LTD.

Voltage Ratio	Capacity in KVA	AMTZ	AKLZ	AZ	NADZ	LZ	KLNZ	KZR	KOPZ	NSKZ	JLGZ	NZ	BUZ	BMTZ	PZ	GONZ	CHDZ	TOTAL	TOTAL CAPACITY IN KVA	
		Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.		NOS.
11/0.4 kV	12.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15	85	0	207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	292	4380
	16	30	1	0	0	0	0	0	0	1	35	0	0	0	0	0	0	0	67	1072
	25	2080	1454	582	2829	945	76	1308	2483	4842	2343	1191	0	1698	404	1442	2973	26650	666250	
	50	351	562	136	86	73	31	193	315	204	457	157	0	211	222	77	124	3199	159950	
	63	11288	13473	13595	13143	21291	616	4412	14314	26580	15039	7155	0	21459	2359	3382	5789	173895	10955385	
	75	0	0	0	0	0	0	0	14	1	3	0	0	0	0	0	0	0	18	1350
	100	9594	8963	10846	12946	14695	1548	2467	17747	29940	19802	7794	31	22409	3222	3816	3429	169249	16924900	
	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	150	23	22	8	0	0	16	4	78	26	37	17	0	8	23	1	6	269	40350	
	160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200	1317	1110	1646	1204	1142	525	388	2500	5043	1311	3287	53	1976	1668	338	393	23901	4780200	
	250	0	0	2	0	0	8	1	17	28	10	10	4	16	34	2	0	132	33000	
	300	0	56	11	22	48	11	1	37	35	13	26	0	17	102	0	0	379	113700	
	315	160	0	242	70	159	256	27	363	988	99	795	188	177	1528	1	18	5071	1597365	
	350	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	350	
	400	0	0	0	0	0	0	2	0	0	1	0	15	1	0	0	0	19	7600	
	500	66	0	61	20	8	42	1	97	56	3	72	110	33	321	0	0	890	445000	
	600	0	1	0	0	0	0	0	0	0	6	0	0	0	0	0	0	7	4200	
	630	4	0	54	12	20	32	0	44	88	0	268	2790	16	1327	0	0	4655	2932650	
	750	0	0	1	0	0	0	0	10	2	0	2	135	4	2	0	0	156	117000	
800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
950	0	0	0	0	0	0	0	0	0	0	2	82	0	0	0	0	84	79800		
1000	0	0	0	0	0	0	0	11	1	0	1	410	0	0	0	0	423	423000		
1200	0	0	0	0	0	0	0	19	0	0	0	3	0	0	0	0	22	26400		
1500	0	0	0	0	0	0	0	12	0	0	0	14	0	0	0	0	26	39000		
2000	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	4000		
2500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TOTAL		24998	25642	27391	30332	38381	3161	8804	38061	67835	39159	20778	3837	48025	11212	9059	12732	409407	39356902	
11/0.25 single phase	25	2805	1914	9106	8296	10491	0	0	55	7375	2743	4236	0	4698	4698	968	1223	58608	1465200	
	15	704	417	3397	2662	7789	0	0	41	3789	705	1589	0	1292	1933	332	823	25473	382095	
	10	0	0	20	0	0	0	0	0	0	0	68	0	0	0	0	0	88	880	
TOTAL		3509	2331	12523	10958	18280	0	0	96	11164	3448	5893	0	5990	6631	1300	2046	84169	1848175	

STATEMENT SHOWING DETAILS OF DISTRIBUTION T/Fs IN SERVICE AS ON 31.3.2016

Name of Undertaking :- MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LTD.

Voltage Ratio	Capacity in KVA	AMTZ	AKLZ	AZ	NADZ	LZ	KLNZ	KZR	KOPZ	NSKZ	JLGZ	NZ	BUZ	BMTZ	PZ	GONZ	CHDZ	TOTAL	TOTAL CAPACITY IN KVA	
		Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.		NOS.
22\0.4 kV	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	25	0	0	0	0	0	788	0	0	0	0	0	14	563	186	0	0	1551	38775	
	50	0	0	0	0	0	108	0	0	0	0	0	2	113	31	0	0	254	12700	
	63	0	0	0	0	0	3001	0	0	0	0	0	57	7074	2083	0	0	12215	769545	
	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	100	0	0	0	0	0	4413	0	0	4	0	0	0	679	9493	5328	0	0	19917	1991700
	125	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	250	
	150	0	0	0	0	0	25	0	0	0	0	0	0	9	2	14	0	0	50	7500
	160	0	0	0	0	0	0	0	0	0	0	0	205	0	0	0	0	0	205	32800
	200	0	0	0	0	0	2110	0	0	0	0	0	0	886	809	2865	0	0	6670	1334000
	230	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3	690
	250	0	0	0	0	0	11	0	0	0	0	0	0	61	3	7	0	0	82	20500
	300	0	0	0	0	0	11	0	0	0	0	0	0	10	3	44	0	0	68	20400
	315	0	0	0	0	0	2117	0	0	0	0	0	0	1290	122	2121	0	0	5650	1779750
	350	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	700
	400	0	0	0	0	0	11	0	0	0	0	0	0	6	0	0	0	0	17	6800
	450	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	1350
	500	0	0	0	0	0	991	0	0	0	0	0	0	958	25	364	0	0	2338	1169000
	600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	630	0	0	0	0	0	2294	0	0	0	0	0	0	1500	5	2061	0	0	5860	3691800
	730	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	750	0	0	0	0	0	38	0	0	0	0	0	0	316	0	0	0	0	354	265500
	830	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	1660
	800	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	1600
950	0	0	0	0	0	2	0	0	0	0	0	0	28	0	0	0	0	30	28500	
995	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	995	
1000	0	0	0	0	0	13	0	0	0	0	0	0	46	0	2	0	0	61	61000	
1250	0	0	0	0	0	6	0	0	0	0	0	0	9	0	27	0	0	42	52500	
1600	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4	6400	
TOTAL		0	0	0	0	0	15942	0	0	7	0	0	6089	18212	15133	0	0	55383	11296415	
33/0.4 kV	50	2	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	9	450	
	100	9	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	15	1500	
	200	0	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0	4	800	
	315	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	315	
	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL		11	1	0	0	0	13	3	0	0	0	0	1	0	0	0	0	29	3065	
GRAND TOTAL		28518	27974	39914	41290	56661	19116	8807	38157	79006	42607	26671	9927	72227	32976	10359	14778	548988	52504557	

ANNEXURE-3

33kV and 22 KV Sub-Transmission Lines energised during 2015-16

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
	<u>MARATHWADA REGION:-</u>							
Aurangabad Zone								
1	132 KV Piathan	33/11 KV Paithan S/S	Aurangabad	Aurangabad	0.00	6.38	0.00	17.07.2015
2	Tap from 33 KV Gadhejalgaon S/S	33/11 KV Bhambarda S/S	Aurangabad	Aurangabad	0.00	0.20	0.00	16.11.2015
3	Tap from 33 KV Gadhejalgaon S/S	33/11 KV Hiwara S/S	Aurangabad	Aurangabad	0.00	0.70	0.00	10.11.2015
4	33 kV Mahakala	33 kV Chandanpuri	Jalna	Aurangabad	0.00	10.00	0.00	15.11.2015
5	33 kV Partgaon	33 kV Borranjani	Jalna	Aurangabad	0.00	10.00	0.00	10.02.2016
6	33 kV Harsool	33 kV Chawani	Aurangabad	Aurangabad	0.00	0.00	0.30	16.12.2016
7	33 kV Harsool	33 kV Nakshtrawadi	Aurangabad	Aurangabad	0.00	0.00	0.20	17.12.2016
8	33 kV E Sector	Endurance Company	Aurangabad	Aurangabad	0.00	0.00	2.50	17.12.2016
9	33 kV E Sector	Endurance Company	Aurangabad	Aurangabad	0.00	0.00	0.50	17.12.2016
10	33 kV L Sector	Varroc Industry	Aurangabad	Aurangabad	0.00	0.00	1.50	31.03.2016
			Total		0.00	27.28	5.00	CKT-KMS

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
Latur Zone								
1	Patharwadi	33/11 KV Mategaon	Beed	Latur	0.00	11.00	0	30.11.2015
2	Marathwada Paper Mil	33/11 KV Jategaon	Beed	Latur	0.00	12.00	0	27.11.2015
3	Mauli Sut Girni	33/11 KV Mirgaon	Beed	Latur	0.00	10.00	0	15.09.2015
4	Mahalasjawala	33/11 KV Kukkadgaon	Beed	Latur	0.00	16.00	0	03.01.2016
5	132 KV Raimoha	33/11 KV Sakshal Pimpri	Beed	Latur	0.00	21.00	0	20.03.2016
6	Mahsoba Phata	33/11 KV Pangri Road	Beed	Latur	0.00	12.00	0	28.03.2016
7	RTO Office	33/11 KV Pangri Road	Beed	Latur	0.00	4.00	0	28.03.2016
8	Kesapuri	Sadola	Beed	Latur	0.00	9.00	0	25.02.2016
9	Salegaon	Salegaon	Beed	Latur	0.00	0.30	0	26.02.2016
10	33/11 kv Wanjarwada Sub station	33/11 kv Jalkot Sub station	Latur	Latur	0.00	5.00	0	29.03.2016
			Total		0.00	100.30	0.00	CKT-KMS

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
Nanded Zone								
1	Kamtha	Koli S/Stn	Nanded	Nanded	0.00	13	0.00	Oct-15
2	Hivra Fata	Aashta S/Stn	Nanded	Nanded	0.00	1.8	0.00	Sep-15
3	Somthana Fata	Somthana S/Stn	Nanded	Nanded	0.00	1.5	0.00	Sep-15
4	Khanapur	Shahapur S/Stn	Nanded	Nanded	0.00	2.75	0.00	Jan-16
5	Mukhed	Jahur S/STn	Nanded	Nanded	0.00	28.25	0.00	Feb-16
6	Himayatnagar	Palaspur S/STn	Nanded	Nanded	0.00	14.7	0.00	Mar-16
7	Pokharni 33 KV line	Pimpalgaon S/STn	Parbhani	Nanded	0.00	5.01	0.00	Dec-15
8	Waghala 33 KV line	Rametakli S/Stn	Parbhani	Nanded	0.00	5.8	0.00	Feb-16
9	132 KV Akhada Balapur	Potra S/STn	Hingoli	Nanded	0.00	18.9	0.00	Nov-15
			Total		0.00	91.71	0.00	CKT-KMS
<u>SUB TOTAL FOR MARATHWADA REGION</u>					0.00	219.29	5.00	CKT-KMS

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9

WESTERN MAHARASHTRA REGION:-

Bhandup Zone							
1	22 KV U/G Cable	Thane (Thane)	Bhandup	0.00	0.00	15.81	
2	22 KV U/G Cable	Mumbai (Thane)	Bhandup	0.00	0.00	0.00	
3	22 KV S/C Line	Thane (Vashi)	Bhandup	0.00	13.68	0.00	
4	22 KV U/G Cable	Thane (Vashi)	Bhandup	0.00	0.00	32.33	
5	33 KV U/G Cable	Thane (Vashi)	Bhandup	0.00	0.00	15.10	
6	22 KV S/C Line	Thane (Bhiwandi)	Bhandup	0.00	0.00	0.00	
7	22 KV U/G Cable	Thane (Bhiwandi)	Bhandup	0.00	0.00	13.01	
		Total		0.00	13.68	76.25	CKT-KMS

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
Pune Zone								
1	22 KV U/G Cable		Pune	Pune	0.00	116.57	0.00	
2	22 KV Overhead Line		Pune	Pune	0.00	53.89	0.00	20.01.16
2	220 Kv Alephata	33 KV Pimpripendhar	Pune	Pune	0.00	22.00	0.00	June-15
3	220 KV Kathapur	33 KV Pimperkhed & Shinghave	Pune	Pune	0.00	18.00	0.00	April-15
4	33 KV Peth (Tap)	33 KV Loni	Pune	Pune	0.00	8.00	0.00	Nov-15
5	33 KV Junnar	33 KV Aptale Tap	Pune	Pune	0.00	9.00	0.00	Feb-16
6	33 KV Hivare	33 KV Netwad	Pune	Pune	0.00	7.00	0.00	Feb-16
7	bridgstone s/sn(33KV)	hyundai	Pune	Pune	0.00	1.00	0.00	Feb-16
8	Amethan (33KV)	chandoli	Pune	Pune	0.00	6.00	0.00	Feb-16
			Total		0.00	241.46	0.00	CKT-KMS

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
Kolhapur Zone								
1	Nivade	Gaganbawada	Kolhapur	Kolhapur	0.00	26.64	0.00	04.09.2015
2	Hebbal	Nangnoor	Kolhapur	Kolhapur	0.00	10.40	0.00	22.10.2015
3	Dharwad	HT LIS	Kolhapur	Kolhapur	0.00	3.30	0.00	15.11.2015
4	110KV Ashta S/S	33/11 Koregaon S/S	Sangli	Sangli	0.00	6.18	0.00	10.12.2015
5	110 KV Savlaj S/S	33/11 Anjani S/S	Sangli	Sangli	0.00	5.52	0.00	01.10.2015
6	Revansiddh Mandir	33/11 KV Renavi S/S	Sangli	Sangli	0.00	0.90	0.00	20.11.2015
			Total		0.00	52.94	0.00	CKT-KMS
Baramati Zone								
1	Someshwar	Nimbut SStn	Pune	Baramati	0	10.20	0.00	29.10.2015
2	Supa	Morgaon SStn	Pune	Baramati	0	10.70	0.00	29.08.2015
3	Tap to 33KV Murti	Loni Bhapkar SStn	Pune	Baramati	0	10.02	0.00	20.11.2015
4	132/33Kv Bhigwan EHV	33/11Kv New Rawangaon Sb Stn	Pune	Baramati	0.00	7.00	0.00	Nov-15
5	22 KV Overhead Line		Pune	Baramati	0.00	125.31	0.00	
6	22 Kv Palave	Naigaon village	Satara	Baramati	0.00	2.49	0.00	Dec-15
7	22 kv Karanje S/stn	pratapganj	Satara	Baramati	0.00	0.70	0.00	Dec-15

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
8	22 KV Karanje S/stn	Sushma	Satara	Baramati	0.00	0.30	0.00	Oct-15
9	22 kv Wadhe S/stn	Wadhe gaon	Satara	Baramati	0.00	0.72	0.00	Jun-15
10	33 kv Asu	Rajale Sstn	Satara	Baramati	0.00	5.50	0.00	Oct-15
11	33 kv Dahiwadi	pingali	Satara	Baramati	0.00	6.30	0.00	Jun-15
12	Tap to 33 KV MIDC feeder emanating from 132 KV MIDC sub-station	33 KV Gadda Maidan S/s	Solapur	Baramati	0.00	0.00	1.44	05.07.2015
13	33 KV Pangari sub station (LILO)	33 KV Pathari S/s	Solapur	Baramati	0.00	8.00	0.00	21.11.2015
14	Tap to 33 KV Paranda feeder emanating from 220 KV Paranda sub-station	33 KV Upali (T) S/s	Solapur	Baramati	0.00	4.00	0.00	14.08.2015
15	Tap to 33 KV Co-gen feeder-I emanating from 220 KV Tembhurni sub-station	33 KV Bhend S/s	Solapur	Baramati	0.00	26.00	0.00	22.10.2015
16	132 KV Parewadi S/stn	33 KV Korti S/s	Solapur	Baramati	0.00	16.00	0.00	19.01.2016
17	132 KV Karmala S/stn	33 KV Jategaon S/s	Solapur	Baramati	0.00	11.00	0.00	03.02.2016
18	132 KV Parewadi S/stn	33 KV Hingani S/s	Solapur	Baramati	0.00	4.00	0.00	14.01.2016
19	Tap to 33 KV Antroli feeder emanating from 132 KV Mandrup sub-station	33 KV Gunjegaon S/s	Solapur	Baramati	0.00	9.97	0.00	25.05.2015
20	33 KV Papari sub station (LILO)	33 KV Devadi S/s	Solapur	Baramati	0.00	2.97	0.00	16.11.2015
21	132 KV Karajgii S/stn	33 KV Ingalgi S/s	Solapur	Baramati	0.00	9.00	0.00	02.08.2015
22	33 KV MIDC sub station (LILO)	33 KV Bibi Darphal S/s	Solapur	Baramati	0.00	7.54	0.00	31.07.2015
23	33 KV Hannur sub station (LILO)	33 KV Kini S/s	Solapur	Baramati	0.00	9.73	0.00	30.12.2015

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
24	Tap to 33 KV Khardi feeder emanating from 132 KV Sangola sub-station	33 KV Sangola (U) S/s	Solapur	Baramati	0.00	0.01	0.00	25.08.2015
25	33 KV Islampur sub station (LILO)	33 KV Garwad S/s	Solapur	Baramati	0.00	13.00	0.00	16.01.2016
26	33 KV Kholve sub station (LILO)	33 KV Dasur S/s	Solapur	Baramati	0.00	2.00	0.00	15.03.2016
27	Tap to 33 KV Wadala feeder emanating from 220 KV Bale sub-station	33 KV Kalman S/s	Solapur	Baramati	0.00	29.00	0.00	31.03.2016
28	132 KV Karajgii S/stn	M/s Sunil Hitech, Karagi, Tq. Akkalkot	Solapur	Baramati	0.00	1.50	0.00	19.05.2015
29	132 KV Karajgii S/stn	M/s Kasturi Foundary Pvt. Ltd., Karagi, Tq. Akkalkot	Solapur	Baramati	0.00		0.00	
30	Tap to 33 Kv Vithal Co-orporation feeder from 33 KV Mahisgaon sub station	M/s Vithal Co-Orporation (Ginning Unit), Mahisgao, Tq. Madha	Solapur	Baramati	0.00	0.12	0.00	16.11.2015
31	33 KV Bhalwani sub station	M/s Sahakar Shiromani Vasantrao SSK Ltd. Bhalwani, Tq. Pandharpur	Solapur	Baramati	0.00	4.10	0.00	30.01.2016
32	132 KV Mohol	M/s Vishwaj Energy Ltd., Pokhrapur, Tq. Mohol	Solapur	Baramati	0.00	6.00	0.00	15.12.2015

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
33	132 KV Puluj S/stn	The Executive Engineer, Ujani Canal Division, Ashti, Tq. Mohol	Solapur	Baramati	0.00	23.33	0.00	12.10.2015
34	132 KV Mohol S/stn	The Executive Engineer, Ujani Canal Division, Shirapur, Tq. Mohol	Solapur	Baramati	0.00	6.00	0.00	12.10.2015
			Total		0.00	372.51	1.44	CKT-KMS
KONKAN ZONE								
1	Pawas	33/11 KV SS Rahataghar SS	Ratnagiri	Konkan	0.00	13.42	0.00	29.5.2015
2	Kachara Depo & 220/33 kv Khed ss	33/11 KV SS Muradpur SS	Ratnagiri	Konkan	0.00	18.51	0.00	17.8.2015
3	220/33 KV Nivali	33/11 kv Chandoor SS	Ratnagiri	Konkan	0.00	39.14	0.00	27.9.2015
4	Finolex,Ratnagiri	33/11 kv Chandoor SS	Ratnagiri	Konkan	0.00	8.20	0.00	25.10.2015
5	400 KV New Koyana SS	33/11 kv Shirgaon SS	Ratnagiri	Konkan	0.00	7.50	0.00	19.11.2015
6	110 KV Kuwarbav SS	33/11 KV Kuwarbav SS	Ratnagiri	Konkan	0.00	0.50	0.00	10.2.2016
7	132/33Kv Talebazar	33/11KV Achara S/s	Sindhudurg	Konkan	0.00	25.47	0.00	
8	33Kv Jamsande (Deogad)	Deogad Windmill	Sindhudurg	Konkan	0.00	5.57	0.00	
			Total		0.00	118.31	0.00	CKT-KMS

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
KALYAN ZONE								
1	22 KV S/C Line		Thane (Kalyan-I)	Kalyan	0.00	6.20	0.00	-
2	22 KV U/G Cable		Thane (Kalyan-I)	Kalyan	0.00	0.00	14.50	-
3	22 KV S/C Line		Thane (Kalyan-II)	Kalyan	0.00	20.40	0.00	-
4	22 KV U/G Cable		Thane (Kalyan-II)	Kalyan	0.00	0.00	0.72	-
5	33 KV S/C Line		Palghar (Vasai)	Kalyan	0.00	14.00	0.00	-
6	22 KV S/C Line		Palghar (Vasai)	Kalyan	0.00	53.22	0.00	-
7	33 KV U/G Cable		Palghar (Vasai)	Kalyan	0.00	0.00	14.38	-
9	22 KV S/C Line		Raigad(Pen)	Kalyan	0.00	108.65	0.00	-
10	22 KV U/G Cable		Raigad(Pen)	Kalyan	0.00	0.00	30.81	-
			Total		0.00	202.47	60.41	CKT-KMS

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
<u>NASHIK ZONE</u>								
1	Nilgari Bag	Tapowan S/sn.	Nashik	Nashik	0.00	0.00	6.82	04.04.2015
2	Tapowan S/sn	Ganeshwadi S/sn.	Nashik	Nashik	0.00	0.00	4.30	01.06.2015
3	Takali S/sn.	Tapowan S/sn	Nashik	Nashik	0.00	0.00	3.53	01.06.2015
4	Takali S/sn.	Ganeshwadi S/sn.	Nashik	Nashik	0.00	0.00	3.33	01.06.2015
5	Tap to 33 kv Trimbak line near S/sn on Belgaondhaga Road.	Belgaondhaga S/sn.	Nashik	Nashik	0.00	0.33	0.00	28.01.2016
6	Bhavle farm near Trimbak Road	Belgaondhaga S/sn.	Nashik	Nashik	0.00	1.16	0.00	28.01.2016
7	33 KV Nirpur Tapping	33/11 KV Khamtane SS	Nashik	Nashik	0.00	4.59	0.00	4.11.2015
8	220 KV Sayne	Ayesha Nagar	Nashik	Nashik	0.00	0.30	0.00	Jun-15
9	220 KV Sayne	33 KV Sayne	Nashik	Nashik	0.00	3.30	0.00	Nov-15
10	220 KV Sayne	33 KV Dahiwal	Nashik	Nashik	0.00	9.10	0.00	Mar-16
11	33 KV Dyane	Dyane (Link Line)	Nashik	Nashik	0.00	0.30	0.00	Jan-16
12	33 KV Kundalgaon	33 KV Sawakarwadi	Nashik	Nashik	0.00	9.80	0.00	Feb-16
13	33/11kvRalegaon Therpl	33/11 kv Jawaia.	Ahmednagar	Nashik	0.00	5.20	0.00	08.01.2016.
14	33/11kv Kanhur pather.	33/11kv Pimpalgaon Rotha.	Ahmednagar	Nashik	0.00	12.50	0.00	10.02.2016.
15	33/11kv Wadzire	33/11kv Lonimawala.	Ahmednagar	Nashik	0.00	7.56	0.00	01.08.2015

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
16	33 kv Khamgaonline.	33/11 kvGevrai.	Ahmednagar	Nashik	0.00	1.30	0.00	19.12.2015.
17	33kv Chandaline.	33/11 kv Maka.	Ahmednagar	Nashik	0.00	9.00	0.00	02.04.2016.
18	33kvhivargaonpawsa	33/11kv Devgaon.	Ahmednagar	Nashik	0.00	2.85	0.00	18.4.2015.
19	33kv jawale kadlag Tap.	33/11kv rajapur	Ahmednagar	Nashik	0.00	0.93	0.00	3.11.2015.
20	33kv Belapur	Belapur	Ahmednagar	Nashik	0.00	0.10	0.00	24.11.2015.
21	S33kv Satral s/stn	Kangar s/stn.	Ahmednagar	Nashik	0.00	11.50	0.73	19.8.2015.
			Total		0.00	79.82	18.71	CKT-KMS

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
<u>JALGAON ZONE</u>								
1	33/11 KV CHORWAD SUB STN	33/11KV TAPINAGAR S/SBHUSAWAL	Jalgaon	Jalgaon	0.00	9.60	0.00	17.12.2015
2	220 KV Shivajinagar	Chhadvel Tap	Dhule	Jalgaon	0.00	12.47	0.00	03.07.2015
3	220 KV Shivajinagar	Jaitane	Dhule	Jalgaon	0.00	0.81	0.00	03.07.2015
4	Chhadvel	Pinjarzadi	Dhule	Jalgaon	0.00	14.90	0.00	24.08.2015
5	Velhane Tap	Chinchkheda	Dhule	Jalgaon	0.00	1.71	0.00	30.01.2016
6	NHYAHL0D	KAPADANE	Dhule	Jalgaon	0.00	10.50	0.00	29.12.2015
7	Bamhne	Langane	Dhule	Jalgaon	0.00	9.00	0.00	23.02.2016
8	Vikhran Tapping	Vikhran SS	Dhule	Jalgaon	0.00	0.36	0.00	24.12.2015
9	DDE	Degaon Tap	Dhule	Jalgaon	0.00	1.89	0.00	23.02.2016
10	33 Kv Boradi Tapping	Vikhran (SPR)	Dhule	Jalgaon	0.00	0.48	0.00	03.07.2016
11	Khatgaon Phata	Khatgaon Sub station	Nandurbar	Jalgaon	0.00	1.32	0.00	14.10.2015
12	Gazinagar Dhule chaufuli	Bhone road along with Sahri Road	Nandurbar	Jalgaon	0.00	2.20	0.00	02.03.2016
			Total		0.00	65.24	0.00	CKT-KMS
<u>SUB TOTAL FOR WESTERN MAHARASHTRA REGION</u>					0.00	1146.43	156.81	CKT-KMS

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
	<u>VIDARBH REGION:-</u>							
	<u>NAGPUR ZONE</u>							
1	33 kv pachgaon	33 kv dongergaon	Nagpur	Nagpur	0.00	7.05	0.00	07.04.2015
2	Hudkeshwar (Kh.) bus stop	Hudkeshwar substation	Nagpur	Nagpur	0.00	0.30	0.00	03.02.2016
3	220 KV Kalmeshwar S/stn.	Dhapewada S/stn	Nagpur	Nagpur	0.00	9.00	0.00	10.02.2016
4	220 KV Kalmeshwar S/stn.	Dhapewada S/stn	Nagpur	Nagpur	0.00	0.00	2.60	10.02.2016
5	33 kv Gumthala	33 kv Haldiram	Nagpur	Nagpur	0.00	0.00	2.80	18.12.2015
6	Besa sub station	KSL	Nagpur	Nagpur	0.00	10.00	0.00	01.08.2015
7	Besa sub station	KSL	Nagpur	Nagpur	0.00	10.00	0.00	31.08.2015
8	Seloo	Sindi®	Wardha	Nagpur	0.00	7.50	0.00	Mar-16
9	Hingi	Dahegaon road	Wardha	Nagpur	0.00	15.40	0.00	Mar-16
10	Datapur	Sewagram	Wardha	Nagpur	0.00	6.94	0.00	Mar-16
11	Jam	Mangaon	Wardha	Nagpur	0.00	9.00	0.00	30.01.2016
			Total		0.00	75.19	5.40	CKT-KMS

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
	<u>AMRAVATI ZONE</u>							
1	132KV Hiwarkhed	33 kv Kalamkhar	Amravati	AMRAVATI	0.00	10.00	0.00	4.06.15
2	220 kv Dawargaon	33 kv Nandgaon Peth textile 1	Amravati	AMRAVATI	0.00	16.00	0.00	12.12.14
3	33 kv Proposed Nandgaon Peth S/s	33 Kv VHM HT Consumer	Amravati	AMRAVATI	0.00	2.00	0.00	31.3.16
4	33 kv Wadali	33 kv Congress Nagar	Amravati	AMRAVATI	0.00	8.00	0.00	15.10.15
5	220 kv Kondeshwar	Badnera NT	Amravati	AMRAVATI	0.00	8.07	0.00	31.01.14
6	33kv Lalkhedi	Bismillah Nagar	Amravati	AMRAVATI	0.00	7.06	0.00	14.10.14
7	220 kv Amravati	33 kv Rahatgaons/s	Amravati	AMRAVATI	0.00	3.26	0.00	5.8.14
8	Ghatanji	Shiroli	Yavatmal	AMRAVATI	0.00	8.00	0.00	21.07.2015
9	Ghatanji	Murali Saikheda	Yavatmal	AMRAVATI	0.00	6.50	0.00	24.12.2015
					0.00	68.89	0.00	CKT-KMS
	<u>AKOLA ZONE</u>							
1	132 KV Waki Kd.	Isrul	Buldhana	Akola	0.00	8.70	0.00	08.10.2015
2	132 KV Dusarbid	Shendurjan	Buldhana	Akola	0.00	16.57	0.00	11.12.2015
3	Malkapur	Jambhulhaba	Buldhana	Akola	0.00	8.57	0.00	22.03.2016
					0.00	33.84	0.00	CKT-KMS

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
	<u>GONDIA ZONE</u>							
1	Saundad	Kohamara	Gondia	Gondia	0	8.57	0	26.02.2016
					0	8.57	0	CKT-KMS
	<u>CHANDRAPUR ZONE</u>							
1	33KV Line Mul River	33KV Chuck Piranji S/ST	Chandrapur	Chandrapur	0	12.5	0	21.08.2015
2	33KV Line Waghuli Butti AB Switch	33KV Vyahad S/ST	Chandrapur	Chandrapur	0	5	0	22.06.2015
3	220kv Tadali	33kv Tadali	Chandrapur	Chandrapur	0	0.18	0	10.10.2015
4	TPS	Durgapur	Chandrapur	Chandrapur	0	0	2.5	12.10.2015
5	Mul	Pombhurna	Chandrapur	Chandrapur	0	0.56	0	11.7.2015
6	Kotgal 220 KV	Amirza	Gadchiroli	Chandrapur	0	18.31	0	18.10.2015
					0	36.55	2.5	CKT-KMS
	<u>SUB TOTAL FOR VIDARBH REGION</u>		Total		0.00	223.04	7.90	CKT-KMS
	<u>TOTAL FOR THE STATE</u>				0.00	1588.76	169.71	CKT-KMS

ANNEXURE - 11

TRANSMISSION LINES (11 KV & ABOVE)

Line Volt in kV	No. of Ckts	Length in Ckt-Kms		
		As on	During	As on
		31.3.2015	2015-16	31.3.2016
Overhead Lines				
33 kV	1	38117.05	1051.83	39168.88
	2	1288.07	2.51	1290.58
22 kV	1	28664.42	107.34	28771.76
	2	655.53	0.00	655.53
11 kV	1	266018.31	7798.81	273817.12
	2	383.16	35.04	418.20
Underground Cables				
33 kV	1			
		707.91	92.85	800.76
22 kV		2605.44	237.48	2842.92
11 kV	1	3694.62	166.75	3861.37
Total		342134.51	9492.61	351627.11

ANNEXURE-4**New 33/11 kV Sub-Stations & 22 kV Switching Stations Commissioned during year 2015-2016****proforma-9**

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity in MVA	Date of Commissioning
	<u>MARATHWADA REGION:-</u>				
	<u>AURANGABAD ZONE</u>				
1	33/11 KV Paithan S/S	RAPDRP	Aurangabad	5.00	17.07.2015
2	33/11 KV Bhambarda S/S	INFRA II	Aurangabad	5.00	18.11.2015
3	33/11 KV Hiwara S/S	INFRA II	Aurangabad	10.00	14.11.2015
4	33/11 KV Chandanpur	INFRA II	Jalna	5.00	15.11.2015
5	33/11 KV Borranjani	INFRA II	Jalna	5.00	10.02.2016
			Total	30.00	MVA
	<u>LATUR ZONE</u>				
1	33/11 KV Mategaon	DIS	Beed	5.00	30.11.2015
2	33/11 KV Jategaon	DIS	Beed	5.00	27.11.2015
3	33/11 KV Mirgaon	Infra - II	Beed	5.00	15.09.2015
4	33/11 KV Kukkadgaon	Infra - II	Beed	5.00	03.01.2016
5	33/11 KV Sakshal Pimpri	DIS	Beed	5.00	20.03.2016
6	33/11 KV Pangri Road	RAPDRP	Beed	10.00	28.03.2016
7	Sadola	Infra II	Beed	5.00	25.02.2016
8	Salegaon	Infra II	Beed	5.00	26.02.2016
9	Chilwadi	INFRA-II	Osmanabad	5.00	28.08.2015
10	Dhoral	INFRA-II	Osmanabad	5.00	02.06.2015
11	Pimpalgaon Lingi	INFRA-II	Osmanabad	5.00	17.06.2015
12	Madaj	INFRA-II	Osmanabad	5.00	14.02.2016
			Total	65.00	MVA
	<u>NANDED ZONE</u>				
1	Koli S/Stn	Infra -II	Nanded	5.00	Oct-15
2	Aashta S/Stn	Infra -II	Nanded	5.00	Sep-15
3	Somthana S/Stn	Infra -II	Nanded	5.00	Sep-15
4	Shahapur S/Stn	Infra -II	Nanded	5.00	Jan-16
5	Jahur S/STn	Infra -II	Nanded	5.00	Feb-16
6	Palaspur S/STn	Infra -II	Nanded	5.00	Mar-16
7	Degloor -II	R APDRP	Nanded	5.00	Apr-15
8	Pimpalgaon S/STn	Infra -II	Parbhani	5.00	Dec-15
9	Rametakli S/Stn	Infra -II	Parbhani	5.00	Feb-16
10	Potra S/STn	Infra -II	Hingoli	5.00	Nov-15
			Total	50.00	MVA
<u>SUB TOTAL FOR MARATHWADA REGION</u>				145.00	MVA

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity in MVA	Date of Commissioning
<u>WESTERN MAHARASHTRA REGION:-</u>					
<u>BHANDUP ZONE</u>					
1	Lodha, Thane(W)	RAPDRP - Part B	Thane	20.00	28.06.2015
2	Rustamji, Thane (W)	RAPDRP - Part B	Thane	20.00	30.06.2015
3	22/11KV Jay Bhawani Nagar	RAPDRP - Part B	Thane	20.00	17.03.2016
4	Neptune	R-APDRP	Kurla	20.00	22.08.2015
5	HDIL	R-APDRP	Kurla	20.00	08.09.2015
6	33/11KV,Sector-35I,Kharghar	DDF	Panvel	30.00	May-15
7	33/22KV Kalpataru	Infra	Raigad	10.00	31.07.2015
8	33/11KV,Sector-27,Kharghar(Swt/stn)	Infra	Panvel	0.00	09.03.2016
9	Temghar	DDF In premises of Tata Amantra, Bhiwandi circle	Thane	13.50	15.10.2015
			Total	153.50	MVA
<u>PUNE ZONE</u>					
1	22/22 KV Kalpataru switching station under sangavi Sun Division	DDF	Pune (Ganeshkhind)	0	31.10.2015
2	22/22KV sancheti Switching Station	1.3% Supervision charges	Pune (Rastapeth)	0	01.08.2015
3	M/s Sai mystique Sw/Stn	Infra -II	Pune (Rastapeth)	0	30.10.2015
4	22/22 KV ARAI Chakan Swiching station	DDF	Pune (Pune Rural)	0	03.11.2015
5	22/22 KV Talegaon Swiching station	RAPDRP	Pune (Pune Rural)	0	29.10.2015
6	22/22 KV Tata Prive Khandala Swiching station	DDF	Pune (Pune Rural)	0	25.05.2015
7	22/22 KV Tata Smart Value Vadgaon Swiching station	DDF	Pune (Pune Rural)	0	31.10.2015
8	33/11 KV Pimperkhed	Infra II	Pune (Pune Rural)	5.00	23.04.2015
9	33/11 KV Loni	Infra II	Pune (Pune Rural)	5.00	18.12.2015
10	33/ 11 KV Shingave	Infra II	Pune (Pune Rural)	5.00	11.11.2015
11	33/ 11 KV Pimpripendhar	Infra II	Pune (Pune Rural)	5.00	19.06.2015
12	33/11 KV Netwad	Infra II	Pune (Pune Rural)	5.00	17.12.2015
			Total	25.00	MVA
<u>KOLHAPUR ZONE</u>					
1	33/11 KV Nangnur	INFRA-II	Kolhapur	5.00	22.10.2015
2	33/11 KV Koregaon	INFRA-II	Sangli	5.00	10.12.2015
3	33/11 KV Anjani	INFRA-II	Sangli	5.00	01.10.2015
			Total	15.00	MVA

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity in MVA	Date of Commissioning
	<u>BARAMATI ZONE</u>				
1	Nimbut	INFRA -II	Pune	10.00	22.08.2015
2	Morgaon	INFRA -II	Pune	10.00	29.10.2015
3	Tannu	INFRA -II	Pune	10.00	20.11.2015
4	Loni D MIDC	INFRA -II	Pune	10.00	19.11.2015
5	Loni bhapkar	INFRA -II	Pune	10.00	20.11.2015
6	Lasurne	INFRA -II	Pune	10.00	21.01.2016
7	Shelgaon	INFRA -II	Pune	10.00	04.03.16
8	33/11Kv Rawangaon	INFRA -II	Pune	10.00	07.11.2015
9	33/11Kv Nimone	INFRA II	Pune	20.00	30.10.2015
10	33/22KV Rajale Stn	INFRA II	Satara	5.00	21.10.2015
11	33/11 KV Pingali	INFRA II	Satara	10.00	Jun-15
12	33/11 KV Vadgaon	INFRA II	Satara	5.00	27.08.2015
13	33/11 KV Gadda Maidan	RAPDRP	Solapur	5.00	05.07.15
14	33/11 KV Pathari	Infra-II	Solapur	5.00	21.11.15
15	33/11 KV Upali (T)	Infra-II	Solapur	5.00	14.08.15
16	33/11 KV Bhend	Infra-II	Solapur	5.00	22.10.15
17	33/11 KV Korti	Infra-II	Solapur	5.00	19.01.16
18	33/11 KV Jategaon	Infra-II	Solapur	5.00	03.02.16
19	33/11 KV Hingani	Infra-II	Solapur	5.00	14.01.16
20	33/11 KV Gunjegaon	Infra-II	Solapur	5.00	25.05.15
21	33/11 KV Devadi	Infra-II	Solapur	5.00	16.11.15
22	33/11 KV Ingalgi	Infra-II	Solapur	5.00	02.08.15
23	33/11 KV Bibi Darphal	Infra-II	Solapur	5.00	31.07.15
24	33/11 KV Kini	Infra-II	Solapur	5.00	30.12.15
25	33/11 KV Sangola (U)	Infra-II	Solapur	5.00	25.08.15
26	33/11 KV Garwad	Infra-II	Solapur	5.00	16.01.16
27	33/11 KV Dasur	Infra-II	Solapur	5.00	15.03.16
28	33/11 KV Kalman	Infra-II	Solapur	5.00	31.03.16
			Total	200.00	

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity in MVA	Date of Commissioning
	<u>KALYAN ZONE</u>				
1	C' Block	Infra-II	Thane	0.00	05.08.2015
2	22/22 KV CoCoCola Sw/ st	Infra-II	Palghar	0.00	Oct-15
3	Sartodi 33/11KV S/S	Infra-I	Palghar	10.00	10.03.2016
			Total	10.00	
	<u>NASHIK ZONE</u>				
1	33/11 Kv Ganeshwadi	Sinhastha 15-16	Nashik	10.00	26.05.2015
2	33/11 Kv Tapowan	Sinhastha 15-16	Nashik	10.00	
3	33/11 KV Belgaondhaga	Infra-II	Nashik	10.00	29.01.2016
4	33/11 Kv Khamtane SS	Infra-II	Nashik	10.00	04.11.2015
5	33/11KV Jawala	Infra-II	Ahmednagar	5.00	08.01.2016
6	33/11KV Pimpalgaon Rotha	Infra-II	Ahmednagar	5.00	10.02.2016
7	33/11KV Lonimawala	Infra-II	Ahmednagar	5.00	01.08.2015
8	33/11KV Gevrai	INFRA-II	Ahmednagar	5.00	19.12.2015
9	33/11KV Maka	INFRA-II	Ahmednagar	5.00	02.04.2016
10	33/11KV Deogao	INFRA-II	Ahmednagar	5.00	18.04.2015
11	33/11KV Rajapur	INFRA-II	Ahmednagar	5.00	03.11.2015
12	33/11 Kv kangar	Infra -II	Ahmednagar	5.00	28.02.2016
			Total	80.00	MVA
	<u>JALGAON ZONE</u>				
1	33/11 KV TAPI NAGAR SUB STN.BHUSAWAL	RAPDRP-PART- B	Jalgaon	10.00	19.12.2015.
2	33 kV Vikran (Devache)	Infra-II	Dhule	5.00	24.12.2016
3	33kv Langane	Infra-II	Dhule	5.00	23.02.2016
4	33 kV Vikran (SPR)	Infra-II	Dhule	5.00	03.07.2016
5	33/11 KV KAPADANE	Infra-II	Dhule	5.00	29.12.2015
6	33/11 KV Pinjarzadi	Infra-II	Dhule	5.00	24.08.2015
7	33/11 KV Chinchkheda	Infra-II	Dhule	5.00	30.01.2016
8	33/11kv shahada Town	R APDRP	Nandurbar	15.00	15.08.2015
			Total	55.00	MVA

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity in MVA	Date of Commissioning
	<u>KONKAN ZONE</u>				
1	33/11 kv Rahataghar	RAPDRP Part B	Ratnagiri	10.00	29.5.2015
2	33/11 KV Muradpur	RAPDRP Part B	Ratnagiri	10.00	17.8.2015
3	33/11 KV Shirgaon	Balance Infra I	Ratnagiri	5.00	19.11.2015
			Total	25.00	
<u>SUB TOTAL FOR WESTERN MAHARASHTRA REGION</u>				563.50	MVA
	<u>VIDARBH REGION:-</u>				
	<u>AMRAVATI ZONE</u>				
1	33 kv Kalamkhar	TSP	Amravati	5.00	4.06.2015
2	33 kv Congress Nagar	RAPDRP Part-B	Amravati	5.00	23.03.2016
3	N'gaon Peth MIDC substation	INFRA- II	Amravati	20.00	19.12.2015
4	33 KV Shirol	Backlog	Yeotmal	5.00	21.07.2015
5	33 kv Murali Saikheda	Infra II	Yeotmal	5.00	24.12.2015
			Total	40.00	MVA
	<u>AKOLA ZONE</u>				
1	Isrul	Infra-II	Buldhana	5.00	08.10.2015
2	Shendurjan	Infra-II	Buldhana	5.00	11.12.2015
3	Kalambeshwar	Infra-II	Buldhana	5.00	10.11.2015
			Total	15.00	MVA
	<u>NAGPUR ZONE</u>				
1	33KV/11 KV DONGARGAON S/Stn	infra-I	Nagpur	5.00	07.04.2015
2	33KV/11 KV HALIRAM S/Stn	DDF	Nagpur	10.00	18.12.2015
3	Hudkeshwar	Infra -II	Nagpur	10.00	03.02.2016
4	Dhapewada	Infra -II	Nagpur	10.00	10.02.2016
5	33/11 KV Umred Road	CAPEX OF DF AREA	Nagpur	10.00	28.10.2015
6	33KV/11KV Borgaon Meghe	Infra	Wardha	10.00	18.03.2016
7	33KV/11KV Mangaon	Infra-II(T-27)	Wardha	5.00	30.01.2016
			Total	60.00	MVA
	<u>GONDIA ZONE</u>				
1	Kohamara	Infra -II	Gondia	5.00	26.02.2016
				5.00	
	<u>CHANDRAPUR ZONE</u>				
1	33/11KV Tadali	INFRA-II	Chandrapur	5.00	Oct-15
2	33/11 KV Durgapur	RAPDRP PART B	Chandrapur	15.00	12.10.2015
3	33/11 KV CHIROLI SUBSTATION	INFRA	Chandrapur	5.00	11.07.2015
4	33/11 kv s/stn Chak Piranji	Infra-II	Chandrapur	5.00	21.08.2015
5	33/11 KV Amirza SSN	Backlog	Gadchiroli	5.00	Dec-15
6	33/11 KV Shankarpur SSN	Backlog	Gadchiroli	5.00	26.03.2016
				40.00	
<u>SUB TOTAL FOR VIDARBH REGION</u>				160.00	MVA

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity in MVA	Date of Commissioning
<u>TOTAL FOR THE STATE</u>				868.50	MVA

ANNEXURE-4(a)**proforma-10****Augmentation of Transformer Capacity at 33/11kV & 33/22 kV Sub-Stations during 2015-2016**

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity added in MVA	Date of Commissioning	Remark
<u>MARATHWADA REGION:-</u>						
<u>AURANGABAD ZONE</u>						
<u>LATUR ZONE</u>						
1	Lokhandi Sawargaon	Infra-II	Beed	5.00	20.01.2015	1 X 5 MVA to 1 X 10 MVA
2	Kesapuri	Infra-II	Beed	5.00	18.07.2015	1 X 5 MVA to 1 X 10 MVA
3	Talkhed	Infra-II	Beed	5.00	18.07.2014	1 X 5 MVA to 1 X 10 MVA
4	Bansarola	Infra-II	Beed	5.00	18.10.2015	1 X 5 MVA to 1 X 10 MVA
5	33/11 kv Old Ausa	Infra-II	Latur	1.85	21.10.2015	1 X 3.15 MVA to 1 X 5 MVA
6	Pachunda	RAPDRP	Osmanabad	1.85	25.02.2013	1 X 3.15 MVA to 1 X 5 MVA
			Total	23.70	MVA	
<u>NANDED ZONE</u>						
1	Sarsam	Infra-II	Nanded	1.85	Aug-15	1 X 3.15 MVA to 1 X 5 MVA
2	Mahur	Infra-II	Nanded	1.85	Mar-16	1 X 3.15 MVA to 1 X 5 MVA
			Total	3.70	MVA	
<u>SUB TOTAL OF MARATHWADA REGION</u>				27.40	MVA	

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity added in MVA	Date of Commissioning	Remark
<u>WESTERN MAHARASHTRA REGION:-</u>						
<u>BHANDUP ZONE</u>						
1	CBD Sector – 6	Infra-II	Thane	5	02.02.2016	1 X 5 MVA to 1 X 10 MVA
2	33/22KV,Kamothe	Infra	Raigad	5	21.04.2015	1 X 5 MVA to 1 X 10 MVA
3	33/11KV,Sector-7,N.Panvel	Infra	Raigad	5	22.7.2015	1 X 5 MVA to 1 X 10 MVA
4	22/11KV,steel Market	Infra	Raigad	5	20.11.2015	1 X 5 MVA to 1 X 10 MVA
5	22/11KV,Hsg Kalamboli	DDF	Raigad	5	10.6.2015	1 X 5 MVA to 1 X 10 MVA
			Total	25.00	MVA	
<u>PUNE ZONE</u>						
1	33/11 KV Hivare	Infra II	Pune	5.00	Feb-16	1 X 5 MVA to 1 X 10 MVA
2	33/11 KV Ghodegaon	Infra II	Pune	5.00	Jan-16	1 X 5 MVA to 1 X 10 MVA
			Total	10.00	MVA	
<u>KALYAN ZONE</u>						
<u>KONKAN ZONE</u>						
1	Pachal	Infra-II	Ratnagiri	1.85	11.04.2015	1 X 3.15 MVA to 1 X 5 MVA
			Total	1.85	MVA	
<u>KOLHAPUR ZONE</u>						
1	33/11 KV PIE	Infra-II	Kolhapur	5.00	26.02.2016	1 X 5 MVA to 1 X 10 MVA
2	33/11 KV PIE	Infra-II	Kolhapur	5.00	14.03.2016	1 X 5 MVA to 1 X 10 MVA
3	33/11 KV Managaon	Infra-II	Kolhapur	5.00	12.10.2015	1 X 5 MVA to 1 X 10 MVA
4	33/11 KV Awade Mala	Infra-II	Kolhapur	5.00	07.03.2016	1 X 5 MVA to 1 X 10 MVA
5	33/11 KV Wangi	Infra-II	Sangli	1.85	23.09.2015	1 X 3.15 MVA to 1 X 5 MVA
6	33/11 KV Borgaon	Infra-II	Sangli	5.00	21.07.2015	1 X 5 MVA to 1 X 10 MVA
			Total	26.85	MVA	

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity added in MVA	Date of Commissioning	Remark
	<u>BARAMATI ZONE</u>					
1	33/11Kv Kedgaon	Infra-II	Pune	5.00	02.11.2015	1 X 5 MVA to 1 X10 MVA
2	33/11Kv Kedgaon	Infra-II	Pune	5.00	14.08.2015	1 X 5 MVA to 1 X10 MVA
3	33/11 Kv Warwand	Infra-II	Pune	5.00	17.11.2015	1 X 5 MVA to 1 X10 MVA
4	33/11 kv Pargaon	Infra-II	Pune	5.00	31.08.2015	1 X 5 MVA to 1 X10 MVA
5	33/11 kv Pargaon	Infra-II	Pune	5.00	26.11.2015	1 X 5 MVA to 1 X10 MVA
6	33/11Kv Kurkumb	Infra-II	Pune	5.00	19.11.2015	1 X 5 MVA to 1 X10 MVA
7	33/11Kv Kurkumb	Infra-II	Pune	5.00	15.09.2015	1 X 5 MVA to 1 X10 MVA
8	33/11Kv Patas	Infra-II	Pune	5.00	29.10.2015	1 X 5 MVA to 1 X10 MVA
9	33/11Kv Deulgaon Raje	Infra-II	Pune	5.00	28.10.2015	1 X 5 MVA to 1 X10 MVA
10	33/11 KV Nhavara	Infra-II	Pune	5.00	10.10.2015	1 X 5 MVA to 1 X10 MVA
11	33/11 Kv Mandavgan Farata	Infra-II	Pune	5.00	15.10.2015	1 X 5 MVA to 1 X10 MVA
12	33/11 Kv Shirasgaon Kata	Infra-II	Pune	5.00	23.09.2015	1 X 5 MVA to 1 X10 MVA
13	33/11Kv Parinche	Infra-II	Pune	5.00	15-11-2016	1 X 5 MVA to 1 X10 MVA
14	33/22KV Mhavashi	Infra-II	Satara	5.00	16.10.2015	1 X 5 MVA to 1 X10 MVA
15	33/22 KV Jamb	Infra-II	Satara	5.00	05.06.2015	1 X 5 MVA to 1 X10 MVA
16	33/22 KV Songaon	Infra-II	Satara	5.00	05.05.2015	1 X 5 MVA to 1 X10 MVA
17	Sarkoli	Infra-II	Solapur	5.00	30.5.2015	1 X 5 MVA to 1 X10 MVA
18	Kasegaon	Infra-II	Solapur	5.00	04.04.2015	1 X 5 MVA to 1 X10 MVA
19	Pirachikuroli	Infra-II	Solapur	5.00	14.05.2015	1 X 5 MVA to 1 X10 MVA
20	Palshi	Infra-II	Solapur	5.00	30.4.2015	1 X 5 MVA to 1 X10 MVA
21	Akluj	Infra-II	Solapur	10.00	25.09.2015	1 X20 MVA to 1 X 10 MVA
			Total	110.00		

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity added in MVA	Date of Commissioning	Remark
	<u>NASHIK ZONE</u>					
1	33/11 KV Dahiwal	Infra-II	Nashik	1.85	27.08.2015	1 X 3.15 MVA to 1 X 5 MVA
2	33/11 KV Dangsaundane	Infra-II	Nashik	1.85	08.10.2015	1 X 3.15 MVA to 1 X 5 MVA
3	33/11 KV Dyane Wadgaon	Infra-II	Nashik	5.00	10.01.2016	1 X 5 MVA to 1 X10 MVA
4	33/11 KV Bopegaon	Infra-II	Nashik	1.85	10.11.2015	1 X 3.15 MVA to 1 X 5 MVA
5	33/11 KV Taharabad	O&M	Nashik	1.85	10.01.2016	1 X 3.15 MVA to 1 X 5 MVA
6	33/11 Wadala	Infra II	Ahmednagar	2.00	03.10.2015	1 X 3 MVA to 1 X 5 MVA
7	33/11 Ghotan	Infra II	Ahmednagar	2.00	25.09.2015	1 X 3 MVA to 1 X 5 MVA
8	33/11 Wadala	Infra II	Ahmednagar	2.00	03.10.2015	1 X 3 MVA to 1 X 5 MVA
9	33/11 Yeli	Infra II	Ahmednagar	2.00	17.02.2016	1 X 3 MVA to 1 X 5 MVA
10	33/11 Deogaon	Infra II	Ahmednagar	5.00	29.06.2015	1 X 5 MVA to 1 X10 MVA
11	33/11 Kharda	Infra II	Ahmednagar	1.85	09.01.2016	1 X 3.15 MVA to 1 X 5 MVA
12	33/11KV Keli Sanghvi	Infra II	Ahmednagar	1.85	16.04.2015	1 X 3.15 MVA to 1 X 5 MVA
13	33/11KV Shendi	Infra II	Ahmednagar	1.85	03.10.2015	1 X 3.15 MVA to 1 X 5 MVA
14	33/11KV Shirdi	Infra II	Ahmednagar	5.00	24.08.2015	1 X 5 MVA to 1 X10 MVA
15	Aradgaon-1	Infra II	Ahmednagar	1.85	21.07.2015	1 X 3.15 MVA to 1 X 5 MVA
16	Aradgaon-2	Infra II	Ahmednagar	1.85	17.02.2016	1 X 3.15 MVA to 1 X 5 MVA
17	Haregaon-I	Infra II	Ahmednagar	1.85	11.07.2015	1 X 3.15 MVA to 1 X 5 MVA
18	Haregaon-li	Infra II	Ahmednagar	1.85	03.08.2015	1 X 3.15 MVA to 1 X 5 MVA
19	Hasnapur-I	Infra II	Ahmednagar	1.85	09.06.2015	1 X 3.15 MVA to 1 X 5 MVA
20	Hasnapur-li	Infra II	Ahmednagar	1.85	01.08.2015	1 X 3.15 MVA to 1 X 5 MVA
21	Hasnapur-lii	Infra II	Ahmednagar	1.85	04.11.2015	1 X 3.15 MVA to 1 X 5 MVA
22	Mamdapur-I	Infra II	Ahmednagar	1.85	20.07.2015	1 X 3.15 MVA to 1 X 5 MVA
23	Mamdapur-li	Infra II	Ahmednagar	1.85	06.10.2015	1 X 3.15 MVA to 1 X 5 MVA
24	Mamdapur-li	Infra II	Ahmednagar	1.85	22.06.2015	1 X 3.15 MVA to 1 X 5 MVA
25	Taklimiya-1	Infra II	Ahmednagar	1.85	11.07.2015	1 X 3.15 MVA to 1 X 5 MVA
26	Loni-1	Infra II	Ahmednagar	1.85	23.11.2015	1 X 3.15 MVA to 1 X 5 MVA

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity added in MVA	Date of Commissioning	Remark
27	Loni-2	Infra II	Ahmednagar	1.85	26.11.2015	1 X 3.15 MVA to 1 X 5 MVA
28	Satral	Infra II	Ahmednagar	1.85	03.09.2015	1 X 3.15 MVA to 1 X 5 MVA
29	Taklibhan-li	Infra II	Ahmednagar	1.85	20.06.2015	1 X 3.15 MVA to 1 X 5 MVA
30	Midc Shrirampur	Infra II	Ahmednagar	1.85	05.12.2015	1 X 3.15 MVA to 1 X 5 MVA
31	Matapur-1	Infra II	Ahmednagar	1.85	06.06.2015	1 X 3.15 MVA to 1 X 5 MVA
32	Matapur-2	Infra II	Ahmednagar	1.85	26.10.2015	1 X 3.15 MVA to 1 X 5 MVA
33	Ambi-2	Infra II	Ahmednagar	1.85	10.12.2015	1 X 3.15 MVA to 1 X 5 MVA
34	Sutgirni	Infra II	Ahmednagar	5.00	05.09.2015	1 X 5 MVA to 1 X10 MVA
35	Deolali-I	Infra II	Ahmednagar	1.85	15.02.2016	1 X 3.15 MVA to 1 X 5 MVA
36	Ambi-I	Infra II	Ahmednagar	1.85	05.02.2016	1 X 3.15 MVA to 1 X 5 MVA
			Total	79.80	MVA	
	<u>JALGAON ZONE</u>					
1	33 KV Bamhne	Infra-II	Dhule	5.00	Jul-15	1 X 5 MVA to 1 X10 MVA
2	33 KV Boradi	Infra-II	Dhule	5.00	Aug-15	1 X 5 MVA to 1 X10 MVA
			Total	10.00	MVA	
	<u>SUB TOTAL OF WESTERN MAHARASHTRA REGION</u>			263.50	MVA	

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity added in MVA	Date of Commissioning	Remark
	<u>VIDARBH REGION:-</u>					
	<u>AMRAVATI ZONE</u>					
1	33/11 KV Navsari	Infra-II	Amravati	5.00	Mar-16	1 X 5 MVA to 1 X10 MVA
2	33/11 KV Navsari	Infra-II	Amravati	5.00	Mar-16	1 X 5 MVA to 1 X10 MVA
3	33/11 KV Wadali	Infra-II	Amravati	5.00	Mar-16	1 X 5 MVA to 1 X10 MVA
4	33/11 KV Old PH	Infra-II	Amravati	5.00	Mar-16	1 X 5 MVA to 1 X10 MVA
5	33/11 KV Wadali	Infra-II	Amravati	5.00	Mar-16	1 X 5 MVA to 1 X10 MVA
6	33/11 KV Hanuman Nagar	Infra-II	Amravati	5.00	Mar-16	1 X 5 MVA to 1 X10 MVA
7	33/11 KV Hanuman Nagar	Infra-II	Amravati	5.00	Mar-16	1 X 5 MVA to 1 X10 MVA
8	33/11 KV Akoli	Infra-II	Amravati	5.00	Mar-16	1 X 5 MVA to 1 X10 MVA
9	33/11 KV Akoli	Infra-II	Amravati	5.00	Mar-16	1 X 5 MVA to 1 X10 MVA
			Total	45.00		
	<u>AKOLA ZONE</u>					
	<u>NAGPUR ZONE</u>					
1	MOWAD	Infra-II	Nagpur	1.85	24.10.2015	1 X 3.15 MVA to 1 X 5 MVA
2	33/11 kv Wanadongri	Infra-II	Nagpur	5.00	12.01.2016	1 X 5 MVA to 1 X 10 MVA
3	33/11 kv Jattarodi	CAPEX	Nagpur	5.00	01-02-2016	1 X 5 MVA to 1 X 10 MVA
			Total	11.85		
	<u>GONDIA ZONE</u>					
	<u>CHANDRAPUR ZONE</u>					
<u>SUB TOTAL OF VIDARBH REGION</u>				56.85	MVA	
TOTAL FOR THE STATE				347.75	MVA	

ANNEXURE-4(b)**proforma-10****Additional Power Transformer Commissioned at 33/11kV & 33/22 kV Sub-Stations during 2015-201**

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity added in MVA	Date of Commissioning	Remark
<u>MARATHWADA REGION:-</u>						
<u>AURANGABAD ZONE</u>						
<u>LATUR ZONE</u>						
1	33/11 KV Daskhed	Infra-II	Beed	5.00	24.08.2015	Additional 1x5 MVA
2	33/11 KV Manarsumbha	Infra-II	Beed	5.00	26.08.2015	Additional 1x5 MVA
3	33/11 KV Padalsinghi	Infra-II	Beed	5.00	19.10.2015	Additional 1x5 MVA
4	33/11 KV Sirasmarg	Infra-II	Beed	5.00	24.11.2015	Additional 1x5 MVA
5	Dindrud	Infra-II	Beed	5.00	10.10.2015	Additional 1x5 MVA
6	Pohner	Infra-II	Beed	5.00	11.03.2016	Additional 1x5 MVA
7	Sawargaon	Infra-II	Osmanabad	5.00	18.07.2015	Additional 1x5 MVA
8	Borgaon	Infra-II	Osmanabad	5.00	18.07.2015	Additional 1x5 MVA
9	Jevali	Infra-II	Osmanabad	5.00	18.07.2015	Additional 1x5 MVA
10	Chourasta	Infra-II	Osmanabad	5.00	04.02.2016	Additional 1x5 MVA
			Total	50.00	MVA	
<u>NANDED ZONE</u>						
1	Tuppa	Infra-II	Nanded	5.00	Nov-15	Additional 1x5 MVA
2	Krushnur	Infra-II	Nanded	5.00	Jan-16	Additional 1x5 MVA
3	Barbada	Infra-II	Nanded	5.00	Jan-16	Additional 1x5 MVA
4	Karkheli	Infra-II	Nanded	5.00	Feb-16	Additional 1x5 MVA
5	Kasrali	Infra-II	Nanded	5.00	Mar-16	Additional 1x5 MVA
6	Matasab	Infra-II	Nanded	5.00	Mar-16	Additional 1x5 MVA
7	Parbhani (Darga)	R APDRP	Parbhani	10.00	Jan-16	Additional 1x10 MVA
8	Goregaon	Infra-II	Hingoli	5.00	Dec-15	Additional 1x5 MVA
9	Dongarkada	Infra-II	Hingoli	5.00	Dec-15	Additional 1x5 MVA
			Total	50.00	MVA	
<u>SUB TOTAL OF MARATHWADA REGION</u>				100.00	MVA	

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity added in MVA	Date of Commissioning	Remark
<u>WESTERN MAHARASHTRA REGION:-</u>						
<u>BHANDUP ZONE</u>						
1	33/22KV Kalpataru	Infra	Raigad	10	31.07.2015	Additional 1x10 MVA
			Total	10.00	MVA	
<u>PUNE ZONE</u>						
1	Sanghavinagar 22/11 KV S/Stn	Infra II	Pune	10.00	03.01.2016	T/F is commissioned but load is not taken as o/g feeders work is incomplete.
2	22/11 KV Devgi S/Stn.	CE/PZ/TS/Infra/GKUC/06-07/9 dt 14.7.2006 six monthly plan	Pune	10.00	11.02.2016	Additional 1x10 MVA
			Total	20.00		
<u>KALYAN ZONE</u>						
<u>KONKAN ZONE</u>						
1	33/11 kv Nachane	RAPDRP	Ratnagiri	5.00	19.04.2014	Previous Year
			Total	5.00	MVA	
<u>KOLHAPUR ZONE</u>						
1	33/11KV Balinga	Infra II	Kolhapur	5.00	05.03.2016	Additional 1x5 MVA
2	33/11 KV Chandur	Infra II	Kolhapur	5.00	28.01.2016	Additional 1x5 MVA
6	33/11 KV Arag	Infra II	Sangli	5.00	23.06.2015	Additional 1x5 MVA
7	33/11 KV Darikonnur	Infra II	Sangli	5.00	23.06.2015	Additional 1x5 MVA
8	33/11 KV Bhikwadi	Infra II	Sangli	5.00	05.09.2015	Additional 1x5 MVA
9	33/11 KV Turchi	Infra II	Sangli	5.00	11.12.2015	Additional 1x5 MVA
10	33/11 KV Bhilwadi	Infra II	Sangli	5.00	01.04.2015	Additional 1x5 MVA
11	33/11 KV Tikondi	Infra II	Sangli	5.00	01.11.2015	Additional 1x5 MVA
12	33/11 KV Sanmadi	Infra II	Sangli	5.00	15.02.2016	Additional 1x5 MVA
13	33/11 KV Sonyal	Infra II	Sangli	5.00	05.02.2016	Additional 1x5 MVA
14	33/11 KV Falkewadi	Infra II	Sangli	5.00	07.07.2015	Additional 1x5 MVA
			Total	55.00	MVA	

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity added in MVA	Date of Commissioning	Remark
	<u>BARAMATI ZONE</u>					
1	33/11Kv kalewadi	Infra-II	Pune	5.00	30.10.2015	Additional 1x5 MVA
2	3311KV Pandare	Infra-II	Pune	5.00	30.10.2015	Additional 1x5 MVA
3	33/11kV Pimpale Jagtap	Infra-II	Pune	10.00	09.11.2015	Additional 1x10 MVA
			Total	20.00		
	<u>NASHIK ZONE</u>					
1	33/11 KvV Trimbak S/sn	Infra-II	Nashik	5.00	17.04.2015	Additional 1x5 MVA
2	33/11 Kv Panchak S/sn	Infra-II	Nashik	5.00	20.04.2015	Additional 1x5 MVA
3	33/11 KV Askheda	Infra-II	Nashik	5.00	08.07.2015	Additional 1x5 MVA
4	33/11 KV Ajang	Infra-II	Nashik	5.00	21.12.2016	Additional 1x5 MVA
5	33/11 KV Nagaon	Infra-II	Nashik	5.00	16.01.2016	Additional 1x5 MVA
6	33/11 KV Shivare Chikhalambe	Infra-II	Nashik	5.00	08.01.2016	Additional 1x5 MVA
7	33/11 KV Shurur Tangadi	Infra-II	Nashik	5.00	13.02.2016	Additional 1x5 MVA
8	33/11 KV Somathane	Infra-II	Nashik	5.00	12.03.2016	Additional 1x5 MVA
9	33/11KV Mula Dam	1.3% DDF	Ahmednagar	5.00	10-10-2016	Additional 1x5 MVA
10	33/11KV Hingani	Infra II	Ahmednagar	5.00	29.12.2015	Additional 1x5 MVA
11	33/11KV Bhambhora	Infra II	Ahmednagar	10.00	08.01.2016	Additional 1x10 MVA
			Total	60.00	MVA	
	<u>JALGAON ZONE</u>					
	<u>SUB TOTAL OF WESTERN MAHARASHTRA REGION</u>			170.00	MVA	

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity added in MVA	Date of Commissioning	Remark
	<u>VIDARBH REGION:-</u>					
	<u>AMRAVATI ZONE</u>					
	<u>AKOLA ZONE</u>					
1	Barshitakli	Infra-II	Akola	5.00	16.01.2016	Additional 1x5 MVA
2	Dhaba	Infra-II	Akola	5.00	16.01.2016	Additional 1x5 MVA
3	Chandol	Infra-II	Buldhana	5.00	27.08.2015	Additional 1x5 MVA
4	Dhamangaon	Infra-II	Buldhana	5.00	24.09.2015	Additional 1x5 MVA
5	Mangrul Navghare	Infra-II	Buldhana	5.00	10.10.2015	Additional 1x5 MVA
6	Muradpur	Infra-II	Buldhana	5.00	04.11.2015	Additional 1x5 MVA
7	Kingaon Raja	Infra-II	Buldhana	5.00	12.12.2015	Additional 1x5 MVA
8	Singaon Jahangir	Infra-II	Buldhana	5.00	23.12.2015	Additional 1x5 MVA
9	Matargaon	Infra-II	Buldhana	5.00	11.11.2015	Additional 1x5 MVA
10	*Atali	Infra-I	Buldhana	5.00	-	Additional 1x5 MVA
11	*Dasarkhed	Infra-I	Buldhana	5.00	-	Additional 1x5 MVA
12	*Dongaon	Infra-I	Buldhana	5.00	-	Additional 1x5 MVA
13	*Janefal	Infra-I	Buldhana	5.00	-	Additional 1x5 MVA
14	*Sakharkheda	Infra-I	Buldhana	5.00	-	Additional 1x5 MVA
15	*RAPDRP	Infra-I	Buldhana	5.00	-	Additional 1x5 MVA
16	*Padali	Infra-I	Buldhana	5.00	-	Additional 1x5 MVA
17	*Jalgaon	Infra-I	Buldhana	5.00	-	Additional 1x5 MVA

Sr. No.	Name of Sub-Station	Scheme	District	Transformer Capacity added in MVA	Date of Commissioning	Remark
18	*Lonar	Infra-I	Buldhana	5.00	-	Additional 1x5 MVA
19	*Nandura	Infra-I	Buldhana	5.00	-	Additional 1x5 MVA
20	*Sangrampur	Infra-I	Buldhana	5.00	-	Additional 1x5 MVA
21	*D Raja	Infra-I	Buldhana	5.00	-	Additional 1x5 MVA
22	Civil Lines	Infra II	Washim	5.00	10.12.2015	Additional 1x5 MVA
23	Mop	Infra II	Washim	5.00	10.12.2015	Additional 1x5 MVA
24	Masla [pen]	Infra II	Washim	5.00	01.09.2015	Additional 1x5 MVA
25	Shelu Bazar	Infra II	Washim	5.00	01.09.2015	Additional 1x5 MVA
			Total	125.00		
	<u>NAGPUR ZONE</u>					
1	PARADSINGA	Infra-II	Nagpur	5.00	11.01.2016	Additional 1x5 MVA
			Total	5.00		
	<u>GONDIA ZONE</u>					
1	Hiwara	Infra-II	Gondia	5.00	18.08.2015	Additional 1x5 MVA
			Total	5.00		
	<u>CHANDRAPUR ZONE</u>					
<u>SUB TOTAL OF VIDARBH REGION</u>				135.00	MVA	
TOTAL FOR THE STATE				405.00	MVA	

NOTE: # denotes that these Power Transformer commissioned previously, not reported earlier.

ANNEXURE - 12

TRANSMISSION LINES (11 KV & ABOVE)

Regionwise Breakup

Sr. No.	Region	Line Volt in kV	No. of Ckts	Length in Ckt-Kms		
				As on 31.3.2015	During 2015-2016	As on 31.3.2016
1	REST OF MAHARASHTRA	Overhead Lines				
		33 kV	1	19468.45	628.50	20096.96
			2	977.19	2.51	979.70
		22 kV	1	28664.42	107.34	28771.76
			2	655.53	0.00	655.53
		11 kV	1	122634.89	2391.44	125026.33
			2	170.46	35.04	205.50
		Underground Cables				
		33 kV	1	291.08	60.59	351.67
		22 kV	1	2605.44	237.48	2842.92
		11 kV	1	2535.15	148.10	2683.25
		Total		178002.60	3611.01	181613.61
2	MARATHWADA	Overhead Lines				
		33 kV	1	9819.07	219.28	10038.35
			2	134.06	0.00	134.06
		22 kV	1	0.00	0.00	0.00
			2	0.00	0.00	0.00
		11 kV	1	71643.75	2012.18	73655.93
			2	77.21	0.00	77.21
		Underground Cables				
		33 kV	1	57.23	5.35	62.58
		22 kV	1	0.00	0.00	0.00
		11 kV	1	140.94	3.03	143.97
		Total		81872.26	2239.84	84112.09
		3	VIDARBHA	Overhead Lines		
33 kV	1			8829.54	204.05	9033.58
	2			176.82	0.00	176.82
22 kV	1			0.00	0.00	0.00
	2			0.00	0.00	0.00
11 kV	1			71739.67	3395.19	75134.86
	2			135.49	0.00	135.49
Underground Cables						
33 kV	1			359.60	26.91	386.51
22 kV	1			0.00	0.00	0.00
11 kV	1			1018.53	15.62	1034.15
Total				82259.65	3641.77	85901.41

ANNEXURE - 13

DISTRIBUTION LINES (BELOW 11 kV) 2015-2016

Sr. No.	Region	Length in Ckt-kms		
		As on 31.3.2015	During 2014-2015	As on 31.3.2016
Overhead				
1	Rest of Maharashtra	295197.42	4331.35	299528.77
2	Marathwada	143466.95	5609.22	149076.17
3	Vidarbha	158072.78	10412.09	168484.87
	Total	596737.15	20352.65	617089.80
Underground				
1	Rest of Maharashtra	9843.54	495.48	10339.02
2	Marathwada	68.90	14.51	83.40
3	Vidarbha	1007.24	72.00	1079.24
	Total	10919.68	581.98	11501.66
Total (OH+UG)				
1	Rest of Maharashtra	305040.96	4826.823	309867.78
2	Marathwada	143535.84	5623.725	149159.57
3	Vidarbha	159080.02	10484.087	169564.11
	Total	607656.82	20934.635	628591.46

ANNEXURE - 14

TRANSFORMATION CAPACITY IN SERVICE 2015-2016

Sr. No.	Region	TRANSFORMATION CAPACITY IN SERVICE (IN MVA)					
		As on 31.3.2015		During 2015-2016		As on 31.3.2016	
		Below 11 kV	11 kV & Above	Below 11 kV	11 kV & Above	Below 11 kV	11 kV & Above
1	Rest of Maharashtra	32841.65	15750.30	2224.10	951.05	35065.75	16701.35
2	Marathwada	8567.53	5643.20	411.19	290.50	8978.72	5933.70
3	Vidarbha	7597.56	5483.00	862.43	452.45	8459.99	5935.45
	Total	49006.74	26876.50	3497.72	1694.00	52504.46	28570.50

ANNEXURE 28

VILLAGES ELECTRIFIED DURING 2015-2016

There are 41138 villages are electrified as on 31/03/2016. During the year 2015-16, 4 nos. of villages are electrified. There are 298 Nos. of unelectrified villages identified out of which 4 villages in Amravati are shifted, 4 villages in Raigad can't be electrified conventionally due to dense forest issue, 01 Village in Pune cannot be done and 9 villages are proposed in other scheme. Hence Total 280 villages are unelectrified as on Mar-2016.

ANNEXURE-29

SR. NO.	NAME OF DISTRICT	As on 31.03.2015		Achievement during the year 2015-2016 by MSEDCL		As on 31.03.2016		
		No. of villages electrified 'As on 31.3.2015	No. of Pumps Energised	No. of villages electrified during 2015-16	No. of Pumps Energised	No. of villages electrified'As on 31.3.2016	No. of Pumps Energised	% of places electrified
1	2	3	4	5	6	7	8	9
1	Palghar	900	-	1	421	901	421	99.89
2	Thane	805	20,660		250	805	20,910	100.00
3	Raigad	1905	15,399		598	1905	15,997	100.00
KALYAN ZONE		3610	36,059	1	1269	3611	37,328	99.97
4	Ratnagiri	1535	15,274		508	1535	15,782	100.00
5	Sindhudurg	748	20,424		604	748	21,028	100.00
KOKAN ZONE		2283	35,698	0	1112	2283	36,810	100.00
6	Nasik	1927	3,04,683		1433	1927	3,06,116	100.00
7	Ahmednagar	1595	3,50,987		1107	1595	3,52,094	100.00
NASIK ZONE		3522	6,55,670	0	2540	3522	6,58,210	100.00
8	Dhule	683	84,416		1780	683	86,196	100.00
9	Nandurbar	903	46,578		819	903	47,397	95.25
10	Jalgaon	1497	1,90,135	3	1283	1500	1,91,418	100.20
JALGAON ZONE		3083	3,21,129	3	3882	3086	3,25,011	98.66
11	Pune	1892	2,63,551		5480	1892	2,69,031	100.00
PUNE ZONE		1892	2,63,551	0	5480	1892	2,69,031	100.00
12	Satara	1781	1,55,561		3312	1781	1,58,873	100.00
13	Solapur	1138	3,39,590		3440	1138	3,43,030	100.00
BARAMATI ZONE		2919	4,95,151	0	6752	2919	5,01,903	100.00
14	Sangli	728	1,98,854		4372	728	2,03,226	100.00
15	Kolhapur	1195	1,19,950		3261	1195	1,23,211	100.00
KOLHAPUR ZONE		1923	3,18,804	0	7633	1923	3,26,437	100.00
16	Aurangabad	1307	2,09,123		4441	1307	2,13,564	100.00
17	Jalna	956	1,09,773		7488	956	1,17,261	100.00
AURANGABAD ZONE		2263	3,18,896	0	11929	2263	3,30,825	100.00
18.	Parbhani	827	86,769		2935	827	89,704	100.00
19.	Hingoli	673	65,010		1790	673	66,800	100.00
20.	Nanded	1544	1,17,808		2983	1544	1,20,791	100.00
NANDED ZONE		3044	2,69,587	0	7708	3044	2,77,295	100.00
21.	Beed	1371	1,59,840		4597	1371	1,64,437	100.00
22.	Osmanabad	725	1,36,830		6764	725	1,43,594	100.00
23.	Latur	932	1,15,156		4337	932	1,19,493	100.00
LATUR ZONE		3028	4,11,826	0	15698	3028	4,27,524	100.00
24.	Buldhana	1294	1,32,808		10340	1294	1,43,148	100.00
25.	Akola	864	46,373		5005	864	51,378	100.00
26.	Washim	687	46,038		5407	687	51,445	100.00
AKOLA ZONE		2845	2,25,219	0	20752	2845	2,45,971	100.00
27.	Amravati	1588	1,06,530		10701	1588	1,17,231	99.75
28.	Yeotmal	1840	92,352		10053	1840	1,02,405	99.95
AMRAVATI ZONE		3428	1,98,882	0	20754	3428	2,19,636	99.85
29	Bhandara	779	36,536		2211	779	38,747	100.00
30	Gondia	887	22,480		3641	887	26,121	100.00
GONDIA ZONE		1666	59,016	0	5852	1666	64,868	100.00
31	Chandrapur	1479	37,051		5302	1479	42,353	100.00
32	Gadchiroli	1509	11,206		3814	1509	15,020	98.95
CHANDRAPUR ZONE		2988	48,257	0	9116	2988	57,373	99.47
33	Nagpur	1634	79,413		4910	1634	84,323	99.94
34	Wardha	1006	58,735		4613	1006	63,348	100.00
NAGPUR ZONE		2640	1,38,148	0	9523	2640	1,47,671	99.96
TOTAL FOR STATE		41134	37,95,893	4	130000	41138	39,25,893	99.84

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LTD.

33 kV & 22 kV SUB-STATIONS IN MSEDCL LTD. AS ON 31.03.16

Sr. No.	Name of the District	33 kV & 22 kV s/s as on 31.03.15	Added during 2015-16	33 kV & 22 kV s/s as on 31.03.16
1	2	3	4	5=3+4
1.	Gr.Mumbai	21	2	23
2.	Thane	112	5	117
3.	Raigad	35	3	38
4.	Palghar	10	2	12
5.	Ratnagiri	42	3	45
6.	Sindhudurg	24	0	24
7	Nasik	187	4	191
8.	Dhule	57	6	63
9.	Nandurbar	44	1	45
10.	Jalgaon	136	1	137
11.	Ahmednagar	154	8	162
12.	Pune	258	21	279
13.	Satara	75	3	78
14.	Sangli	117	2	119
15.	Solapur	192	16	208
16.	Kolhapur	111	1	112
17.	Aurangabad	111	3	114
18.	Jalna	72	2	74
19.	Parbhani	71	2	73
20.	Hingoli	51	1	52
21.	Nanded	106	7	113
22.	Beed	131	8	139
23.	Osmanabad	86	4	90
24.	Latur	103	0	103
25.	Buldhana	90	3	93
26.	Akola	51	0	51
27.	Washim	38	0	38
28.	Amravati	76	3	79
29.	Yeotmal	88	2	90
30.	Nagpur	96	5	101
31.	Wardha	49	2	51
32.	Bhandara	32	0	32
33.	Gondia	27	1	28
34.	Chandrapur	49	4	53
35	Gadchiroli	23	2	25
TOTAL FOR STATE		2925	127	3052