



ANNUAL ADMINISTRATION REPORT



FY-2016-17

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EXECUTIVE SUMMARY OF AAR-2016-17

New Sub-stations & Switching Stations as on March-2017

Voltage Level	As on 31.03.2016	Added During 2016-17	As on 31.03.2016
33/11 KV Substion	2722	174	2896
33/22 KV Substion	45	0	45
22/11 KV Substion	126	9	135
33 KV Switching Station	0	1	1
22 KV Switching Station	153	21	174
11 KV Switching Station	6	0	6
Total	3052	205	3257

Total Power Transformer as on March-2017

Voltage Level	As on 31.03.2016		Added During 2016-17		As on 31.03.2017	
	Nos.	Capacity (In MVA)	Nos.	Capacity (In MVA)	Nos.	Capacity (In MVA)
33/11 KV	4723	25526	301	1845	5024	27371
33/22 KV	79	562	3	45	82	607
22/11 KV	256	2482	17	160	273	2642
Total	5058	28570	321	2050	5379	30620

Total Distribution Transformer as on March-2017

Voltage Level	As on 31.03.2016		Added During 2016-17		As on 31.03.2017	
	Nos.	Capacity (In MVA)	Nos.	Capacity (In MVA)	Nos.	Capacity (In MVA)
3 Ø 33/0.415 KV	29	3.06	-8	-0.6	21	2.46
3 Ø 22/0.415 KV	55383	11296	1810	434	57193	11731
3 Ø 11/0.415 KV	409407	39356	28524	3180	437931	42537
1 Ø 11/0.240 KV	84169	1848	4411	111	88580	1959
Total	548988	52503	34737	3724	583725	56229



EXECUTIVE SUMMARY OF AAR-2016-17

Total Distribution Line network as on March-2017						
Voltage Level	As on 31.03.2016		Added During 2016-17		As on 31.03.2017	
	OH	UG	OH	UG	OH	UG
33 KV	40459	801	1922	180	42381	981
22 KV	29427	2843	359	431	29786	3274
11 KV	274235	3861	7339	646	281574	4507
415 V & Below	617090	11502	22158	1074	639248	12576
Total	961211	19007	31778	2331	992989	21338

BRIEF PROGRESS OF VARIOUS SCHEMES

1. 33 kV and 22 kV lines and sub-stations commissioned during 2016-17

During the year 2016-2017 the M. S. E. D C. Ltd. Commissioned 183 new (33/11kV, 33/22 KV & 22/11 kV) Sub-Stations and 22 Nos of new 22/22 kV, 11/11 kV Switching Stations. The transformer capacities have also been augmented at 54 Nos. existing 33, 22 kV Sub-Stations during the year under system improvement scheme, APDRP, Backlog & Infrastrucuter Plan Project.

Sr.No.	Particulars	Achievement During 2016-17
1	Capacity added in S/Stn.33/11 kV,33/22 kV and 22/11 kV	2050 MVA
2	Sub-transmission lines energized 33 kV, 22 kV	2892 Ckt-km

2. System Improvement Schemes :

In order to reduce the distribution losses 183 nos. of new substations & 22 Nos of new switching stations are added during year 2016-17 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.

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 260 Crs for 128 towns is sanctioned by PFC.
- All 128 towns Declared as go-Live as on Oct'14.
- The R-APDRP Part A project is verified as completed by TPIA (M/s PWC Ltd) appointed by PFC. PFC has accepted the reports submitted by TPIA The Expenditure of R-APDRP Part A as on 31/3/2017 is Rs 225.53 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.
 - 232/268 RTU, 1555/1654 FRTUs installed
 - SCADA in Amravati and Malegaon completed. SCADA at Sangli Solapur and Kolhapur towns completed for parallel operations of Commissioned RTUs. Balance In progress
 - The Expenditure of SCADA (Part A) as on 31/3/2017 is Rs 39.75 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 20.85 Crs)
- 1370/1370 RMU , 3042/3808 Numerical Relay 403/403 WTI/OTI Installed and commissioned.
- The Expenditure of SCADA (Part B) as on 31.03.2017 is Rs. 108.81 Crs

vi. RAPDRP Part B:

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

PFC has sanctioned 120 towns DPRs for RAPDRP Part B amounting to 2922.66 Crs, in 4 stages during Jun'10 to Jun'11.

Tenders were floated for implementation of RAPDRP Part B scheme in all 120 towns and LoA's were issued for all 120 Towns in the m/o Jan, Feb, Mar, May & July 2012.

- The Expenditure of RAPDRP Part B as on 31.03.2017 is Rs. 1503.84 Crs
LoA's for RAPDRP Part B scheme are issued to following contractors:

Zone	Name of Contractor	Tender No.	Date Of LOA
Amarawati	M/s Ashoka Buildcon Ltd.	T01	19-Jan-12
Aurangabad & Nanded	M/s Ashoka Buildcon Ltd.	T02	19-Jan-12
Baramati	M/s Space Age Associates Power-Infra Pvt.Ltd.	T03	25-Jan-12
Jalgaon	M/s GTL Ltd.	T04	19-Jan-12
	M/s Das & Brothers Pvt LTd	T04A	29-Mar-14
	M/s ADCC	T04D	28 - May - 15
Kalyan	M/s GTL Ltd.	T05	19-Jan-12
	M/s Prolific	T05A	15-Dec-14
	M/s Shiva	T05B	15-Dec-14
Kolhapur	M/s Sunil Hi-Tech Engineers Ltd.	T06	19-Jan-12
Konkan	M/s Prakash Electrical Corp	T07	24-May-12
Latur	M/s Ashoka Buildcon Ltd.	T08	19-Jan-12
Nagpur (R) & Nagpur (U)	M/s Sunil Hi-Tech Engineers Ltd.	T09	19-Jan-12
Nashik	M/s Bharat Electrical Contractors & Mfg (P) Ltd.	T10	21-Jan-12
	9 Nos Tenders floated at zone level for balance works		Jun-Sep'16
Pune	M/s Shalaka Infra-Tech (I) Pvt.Ltd.	T11	17-Mar-12
Thane(BZ)	M/s Jyoti Structures Ltd	T12	
	M/s Supreme Infrastructure	T12 (2nd time)	4-Jul-13
	24 Nos of tenders floated at zone level with risk & cost of M/s Supreme Infrastructure		Jun-Sep'16
Wagale Estate (BZ)	M/s Patel Engineering Ltd.	T13	21-Jan-12
	M/s ADCC	T13A	6-Mar-14
Mulund-Bhandup (BZ)	M/s S.T. Electricals Pvt.Ltd.	T14	14-Mar-12
Ambernath-Badlapur-UIhasnagar (KZ)	M/s Accurate Transformers Ltd.	T15	3-Feb-12
Kalyan-Dombivli (KZ)	SMS Infastructure Ltd.	T16	19-Jan-12
Pandharpur Town	M/s Patwari Electricals	T17	6-Jul-12

The achievements upto 31.03.2017 are as given below:

Sr No	Activities	unit	Scope	Achievement
1	New Substations	Nos	136	125
2	Aug Of Power Transformer	Nos	29	28
3	Add of Power Transformer	Nos	34	33
4	New Dist.T/F HVDS	Nos	6017	5786
5	Aug of Dist T/f	Nos	3716	3591

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.

Works covered under IPDS in MSEDCL:

1. New sub-stations – 129 Nos.
2. Aug. of sub-station – 82 Nos.
3. HT Line (overhead + underground) – 6693 Kms
4. LT Line (overhead + underground) – 6208 Kms
5. New Distribution Transformers – 5627 Nos
6. Augmentation of Distribution Transformers – 3626 Nos
9. Solar Panels (Rooftop) – 3209 KWe
10. Meters – 606648 Nos

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 approved Project Cost of Rs 2300.43 Crs for IPDS under MSEDCL on Dt.16.03.2016.

The works under this scheme shall be executed by Full Turnkey contract basis. The tenders for the same have been floated at H.O. and zone level.

IPDS tenders floated details are as below:

Particulars	No. of Tenders	Tender amount (Rs Crs)	Floated on	LOA issued	LOA Cost (Rs Crs)	Remarks
IPDS Part-I Phase A	24 (2 tenders refloated in Phase B & 1 tender refloated in Phase C)	443.29	26.08.2016	21 Nos	416.85	---
IPDS Part-I Phase B	13 (2 tenders refloated in Phase D)	276.03	30.11.2016	9 Nos	196.48	LOA to be issued to 02 nos (Class A license issue)
IPDS Part-I Phase C	8 (2 tenders refloated in Phase D & 1 tender refloated in Phase E)	158.86	21.12.2016	5 nos	111.36	---
IPDS Part-I Phase D	4	76.05	17.03.2017	1 nos	9.02	LOA to be issued to 01 nos & 02 Nos Tenders don't have response, tender date extended.
IPDS Part-I Phase E	1	4.34	29.03.2017	--	--	01 Nos Tender don't have response, tender date extended
Total IPDS Part-I	42	843.59		36	733.71	
IPDS Part-II (At Zone Offices)	44	1366.36	26.09.2016	26 Nos	883	1 Circle in which LOA will be issued soon due to Non availability of class A Certificate 2 Circles LOA is finalized 1 circle price bid is opened 2 circle technical bid opened 2 tenders are refloated Tender date extended for 10 circles (as tenders don't have response)

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 Smart Grid is to be implemented 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 95.12 Crs.

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

DPR for Amravati town smart grid project is sanctioned by NSGM for Rs 90.05 Crs on 22.04.2016. Tenderisation in process.

2. Congress Nagar Division, Nagpur :

The consumers are 122688 nos. and Project cost 149.69 Crs.

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

DPR for Amravati town smart grid project is sanctioned by NSGM for Rs 139.15 Crs on 29.07.2016. Tenderisation in process.

5. Infrastructure Plan

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

The expenditure incurred till March 2017 under

1) Infrastructure Plan scheme I – Rs. 10760 Crs

2) Infrastructure Plan scheme II – Rs. 5178 Crs

The achievements done are as given below –

Sr. No.	Major Works	Unit	Achievements up to Mar' 2017 (Infra I)	Achievements up to Mar' 2016 (Infra II)	Achievements during 2016-17 (Infra II)	Achievements up to Mar' 2017 (Infra II)
1	New Substation	Nos.	609	183	175	358
2	Augmentation of Power T/F	Nos.	384	149	53	202
3	Additional Power T/F	Nos.	496	199	82	281
4	HT Lines	Kms.	44122	12675	7225	19900
5	LT Lines	Kms.	12102	12788	5671	18459
6	New Distribution Transformer	Nos.	73219	24150	9435	33585
7	Augmentation of Distribution Transformer	Nos.	9318	9648	4371	14019

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 31.03.2017 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 31.03.2017 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 2502.67 MVAR station type capacitor banks installed, 2406.83 MVAR Line capacitors and 1594.73 MVAR LT capacitor Banks are installed as on 31.03.2017.

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 31.03.2017 in 4768.96 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 4768.96 MW of total installed capacity, the wind power projects of capacity around 3441.65 MW are selling wind energy to MSEDCL through Long 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 1,999.75 MW as on 31.03.2017 out of which the projects commissioned in the F.Y. 2016-17 is 73 MW. The total commissioned capacity as on 31.03.2017 is 1892.85 MW.

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 31.03.2017 is 157 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 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 31.03.2017 is 113.125 MW out of which the projects commissioned in F.Y. 2016-17 is 3 MW and old projects of capacity 10.8 MW had executed EPA in FY 2016-17. The total commissioned capacity as on 31.03.2017 is 87.675 MW. MSEDCL is also procuring power from MSPGCL's small hydro power projects (approx. 182 MW);

5) Solar Projects :

MSEDCL has executed long term EPAs with private Solar Power Project Developers under various schemes of GoI and with MSPGCL for total capacity of 1327 MW for meeting solar RPO target.

MSEDCL has given consent to purchase around 250 MW power from 3 X 500 MW solar parks being developed in the state under MNRE scheme of Development of Ultra Mega Solar Power Projects.

MSEDCL has also given in-principle consent to purchase around 500 MW power from solar projects being developed by MSPGCL through EPC route under State RE Policy.

Also, the target Set by MNRE for Maharashtra under Solar Rooftop Net Metering is 4700 MW by 2022.

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 2016-17 :

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 41125 nos., 41014 nos. of villages have been electrified as on 31.03.17. There are 111 nos. of villages are balance to be electrified, out of which 54 villages are to be electrified by MSEDCL and balance 57 villages by MEDA.

The company has energized 1,25,522 agricultural pumpsets during the year 2016-17. With the implementation of this programme, total pumpsets energized in the State are 40,51,785 up to Mar-2017.

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 604 agricultural pumpsets in tribal sub-plan area during 2016-17 bringing the total no. of pumpsets energized in tribal sub-plan area to 1,57,739.

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 2016-2017 a total of 8294 such connections have been released, out of which 3,587 pertains to Scheduled Castes and Nav Buddhists. So far a total of 17,67,933 connections have been released to these five categories, out of which 10,20,084 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. 2164.15 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.

The Additional DPR amount of Rs. 11.47 Crs. is sanctioned for Amravati District by Monitoring Committee of Govt. of India on 20.12.2016. Hence total Sanctioned DPR amount of Maharashtra is Rs. 2164.15 Crs.

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	30.44
Total Project Cost (DPR)		2164.15

Scope of work:

Sr. No.	Particulars	Unit	Details
1.	New Substations	Nos.	216
2.	Augmentation of substations	Nos.	54
3.	Additional power transformer	Nos.	43
4.	HT Line	kM	19524
5.	LT Line	kM	6040
6.	Distribution Transformers	Nos.	10551

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.	Nos.	338962
	3 Ph.	Nos.	15713

STATEMENT SHOWING DETAILS OF POWER T/Fs IN SERVICE AS ON 31.3.2017

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	36	10	20	12	10	7	0	84	89	22	56	56	10	20	30	104	566	5660.00
	7.5	0	0	1	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	0.00
	5	237	302	308	345	465	43	95	349	641	392	3	568	66	72	76	174	4136	20680.00
	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4.00
	3.15	20	15	20	13	29	4	16	4	27	65	0	21	3	2	6	15	260	819.00
	3	7	6	2	1	10	0	2	6	7	5	0	2	0	0	0	1	49	147.00
	2.5	1	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	1	0	0	0	0	0	0	1	2.00
	1.6	0	0	0	0	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	2	0	0	0	0	1	0	3	4.50
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	4.00
0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
TOTAL		302	333	351	371	514	54	113	443	767	484	59	647	79	94	117	296	5024	27370.50
33/22 kV	12.5	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	37.50
	10	0	0	0	0	0	0	0	0	0	0	2	26	8	0	0	0	36	360.00
	6.5	0	0	0	0	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	0	0	0	0.00
	5	0	0	0	0	0	5	0	0	0	0	0	36	0	0	0	0	41	205.00
	3.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	3.00
	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2.00
TOTAL		0	0	0	0	0	7	0	0	0	0	2	65	8	0	0	0	82	607.5
22/11 kV	12.5	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	37.50
	10	0	0	0	0	0	0	0	0	1	0	141	0	109	0	0	0	251	2510.00
	5	0	0	0	0	0	0	0	0	1	0	4	0	14	0	0	0	19	95.00
	3.15	0	0	0	0	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	0	0	0	0.00
	2.6	0	0	0	0	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	0	0	0	0.00
	1	0	0	0	0	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	148	0	123	0	0	0	273	2642.50
GRAND TOTAL		302	333	351	371	514	61	113	443	769	484	209	712	210	94	117	296	5379	30620.50

STATEMENT SHOWING DETAILS OF DISTRIBUTION T/Fs IN SERVICE AS ON 31.3.2017

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	20	0	0	0	0	0	0	0	52	832
	25	2002	1215	578	2829	945	76	1375	2102	5104	2391	1035	0	1577	404	1455	2978	26066	651650	
	50	286	493	112	86	73	31	195	180	247	396	100	0	78	222	77	124	2700	135000	
	63	11884	14834	13517	13506	21462	622	4541	15203	27325	15427	7408	0	22384	2442	3469	6358	180382	11364066	
	75	0	0	0	0	0	0	0	9	47	0	0	0	0	0	0	0	56	4200	
	100	11889	10659	12157	13632	15064	1554	2568	20520	33686	20585	9410	30	25795	3306	4115	4705	189675	18967500	
	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	150	310	22	5	0	0	16	4	79	23	72	15	0	9	23	1	6	585	87750	
	160	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	320	
	200	1368	1176	1671	1230	1143	527	436	2663	5490	1472	3522	49	2341	1683	342	400	25513	5102600	
	250	0	0	2	0	0	8	1	7	39	7	8	5	18	40	2	0	137	34250	
	300	0	54	10	22	48	11	1	26	17	11	25	0	0	103	0	0	328	98400	
	315	268	0	268	71	160	256	35	369	1098	106	822	177	238	1554	1	22	5445	1715175	
	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	0	0	13	0	0	0	0	15	6000	
	500	66	0	61	21	8	42	1	116	51	13	73	100	40	324	0	0	916	458000	
	600	0	1	0	0	0	0	0	0	0	7	0	0	0	0	0	0	8	4800	
	630	5	0	54	13	21	34	0	49	99	0	295	3030	24	1359	0	0	4983	3139290	
	750	0	0	1	0	0	0	0	13	2	0	2	122	1	17	0	0	158	118500	
800	0	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	14	1	0	1	446	0	0	0	0	462	462000		
1200	0	0				0		19	0		0	3			0	0	22	26400		
1250									4			14					18	22500		
1500	0	0	0	0	0	0	0	17	1	0	0	4	0	0	0	0	22	33000		
2000	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5	10000		
2500	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0	0	4	10000		
TOTAL		28193	28455	28643	31410	38924	3177	9159	41387	73237	40507	22719	4083	52505	11477	9462	14593	437931	42536763	
11/0.25 single phase	25	3693	2392	9256	8302	10496	0	0	141	7298	2743	5050	0	6734	4698	969	1313	63085	1577125	
	15	470	334	3397	2662	7789	0	0	33	3751	705	1987	0	1259	1933	332	823	25475	382125	
	10	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	20	200	
TOTAL		4163	2726	12673	10964	18285	0	0	174	11049	3448	7037	0	7993	6631	1301	2136	88580	1959450	

STATEMENT SHOWING DETAILS OF DISTRIBUTION T/Fs IN SERVICE AS ON 31.3.2017

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.	
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	775	0	0	0	0	0	14	564	186	0	0	1539	38475
	50	0	0	0	0	0	86	0	0	0	0	0	2	37	31	0	0	156	7800
	63	0	0	0	0	0	3041	0	0	0	0	0	58	6944	2172	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	4557	0	0	4	0	0	685	10103	5725	0	0	21074	2107400
	125	0	0	0	0	0	0	0	0	0	0	0	1	0		0	0	1	125
	150	0	0	0	0	0	24	0	0	0	0	0	9	2	14	0	0	49	7350
	160	0	0	0	0	0	0	0	0	0	0	0	203	0	0	0	0	203	32480
	200	0	0	0	0	0	2218	0	0	3	0	0	931	786	2982	0	0	6920	1384000
	230	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	250	0	0	0	0	0	11	0	0	0	0	0	73	1	7	0	0	92	23000
	300	0	0	0	0	0	10	0	0	0	0	0	8	0	44	0	0	62	18600
	315	0	0	0	0	0	2179	0	0	0	0	0	1329	122	2237	0	0	5867	1848105
	350	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	700
	400	0	0	0	0	0	10	0	0	0	0	0	6	0	0	0	0	16	6400
	450	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3	1350
	500	0	0	0	0	0	996	0	0	0	0	0	954	18	364	0	0	2332	1166000
	600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	630	0	0	0	0	0	2388	0	0	0	0	0	1539	13	2177	0	0	6117	3853710
	730	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	750	0	0	0	0	0	47	0	0	0	0	0	320	0	0	0	0	367	275250
	830	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	2	0	0	0	0	2	1600	
900	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	2700	
950	0	0	0	0	0	0	0	0	0	0	0	31	0	0	0	0	31	29450	
990	0	0	0	0	0	11	0	0		0	0	3	0	0	0	0	14	13860	
1000	0	0	0	0	0	13	0	0	0	0	0	55	0	5	0	0	73	73000	
1250	0	0	0	0	0	12	0	0	0	0	0	9	0	27	0	0	48	60000	
1600	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4	6400	
2000	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2000	
TOTAL		0	0	0	0	0	16382	0	0	7	0	0	6243	18590	15971	0	0	57193	11730960
33/0.4 kV	50	2	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	5	250
	100	9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	11	1100
	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	5	3	0	0	0	0	1	0	0	0	0	21	2465
GRAND TOTAL		32367	31182	41316	42374	57209	19564	9162	41561	84293	43955	29756	10327	79088	34079	10763	16729	583725	56229638

ANNEXURE-3

33kV and 22 KV Sub-Transmission Lines energised during 2016-17

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	Shahaganj Kabrasthan	Baijipura	Aurangabad	Aurangabad	0.00	0.80	0.00	17.03.2017
2	132 KV Piathan	33 kV Karodi	Aurangabad	Aurangabad	0.00	4.25	0.00	19.08.2016
3	132kv s/sn Pathri	Pal Phata	Aurangabad	Aurangabad	0.00	0.61	0.00	21.10.2016
4	Bazarsawangi	Kandgaon	Aurangabad	Aurangabad	0.00	4.25	0.00	29.11.2016
5	132 KV Pishor	New Shelgaon S/s	Aurangabad	Aurangabad	0.00	18.00	0.00	25.04.2016
6	132 KV Soygaon	New Jarandi S/s	Aurangabad	Aurangabad	0.00	9.00	0.00	16.12.2016
7	33 KV Nagamthan	New Chinchadgaon S/S	Aurangabad	Aurangabad	0.00	1.50	0.00	12.11.2016
8	220 Deogaon Rangari	33 KV Deogaon Rangari S/S	Aurangabad	Aurangabad	0.00	8.00	0.00	22.11.2016
9	Ghanswangi	Bhutegaon	Jalna	Aurangabad	0.00	14.50	0.00	15.11.2016
10	Ghanswangi	Banegaon	Jalna	Aurangabad	0.00	11.50	0.00	15.11.2016
11	Kanhaiyanagar	Bhatepuri	Jalna	Aurangabad	0.00	12.00	0.00	08.11.2016
			Total		0.00	84.41	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
Latur Zone								
1	Majalgaon	Pathrud	Beed	Latur	0.00	8.00	0.00	17.06.2016
2	Karkhana	Kumbephal	Beed	Latur	0.00	6.12	0.00	18.06.2016
3	Parli	Injegaon	Beed	Latur	0.00	6.00	0.00	27.10.2016
4	Parli	Sangam	Beed	Latur	0.00	5.00	0.00	27.10.2016
5	Parli	Govardhan	Beed	Latur	0.00	13.84	0.00	27.10.2016
6	Raimoha	Fulsangvi	Beed	Latur	0.00	14.50	0.00	12.09.2016
7	Raimoha	Khokarmoha	Beed	Latur	0.00	3.86	0.00	17.09.2016
8	Rohatwadi	Jawalagiri	Beed	Latur	0.00	6.12	0.00	24.09.2016
9	TAKLI	Nagzari	Latur	Latur	0.00	15.00	0.00	16.12.2016
10	TAKLI	Ganjur	Latur	Latur	0.00	14.11	0.00	16.11.2016
11	132 KV Nilanga S/Stn	33KV Ansarwada New S/Stn	Latur	Latur	0.00	8.50	0.00	10.05.2016
12	Nalegaon	Devangra SS	Latur	Latur	0.00	2.50	0.00	03.06.2016
13	Devarjan	Nagrals SS	Latur	Latur	0.00	4.50	0.00	08.11.2016
14	220 kv Malumbra	33/11kv chawanwadi s/s	Osmanabad	Latur	0.00	18.00	0.00	03.09.2016
15	Existing 33KV	New Sstn Tadvala	Osmanabad	Latur	0.00	8.19	0.00	11.08.2016
16	Existing 33KV	New Sstn Duk Pimpore	Osmanabad	Latur	0.00	24.05	0.00	11.08.2016
17	Existing 33KV	New SrtN Dixsal	Osmanabad	Latur	0.00	1.46	0.00	11.08.2016
18	220KV Paranda	Shelgaon	Osmanabad	Latur	0.00	51.30	0.00	10.08.2016
19	220KV Paranda	Jawala	Osmanabad	Latur	0.00	55.56	0.00	31.03.2017
20	Duddh Dairy, Paranda	Shiral SStn	Osmanabad	Latur	0.00	37.20	0.00	31.03.2017
21	220KV Paranda	Jawala fdr Tap	Osmanabad	Latur	2.52	0.00	0.00	31.03.2017
22	220KV Paranda	Wardhwadi fdr Tap upto Duddh dairy Tap Paranda	Osmanabad	Latur	41.40	0.00	0.00	31.03.2017
			Total		43.92	303.81	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						2.52		
1	132 KV SS Akhada Balapur	Jawla (P)	Hingoli	Nanded	0.00	41.4	0.00	Apr-16
2	Tapped on 33 KV Pedgaon line	Basamba	Hingoli	Nanded	0.00	0.04	0.00	Apr-16
3	Village Lingdari	Khillar	Hingoli	Nanded	0.00	13.1	0.00	Feb-17
4	132 KV SS Himayatnagar	Wadgaon	Nanded	Nanded	0.00	1.5	0.00	Jun-16
5	33 KV Pedgaon to Khadkad Bk	Khadkad Bk	Hingoli	Nanded	0.00	8.65	0.00	Jul-16
6	132 KV SS Basmath	Gunda	Hingoli	Nanded	0.00	27.45	0.00	Mar-17
7	Nanded	Nanded linkline	Nanded	Nanded	0.00	4.32	0.00	Jan-17
8	33 KV S/S Karadkhed	Malegaon makta	Nanded	Nanded	0.00	11.32	0.00	Feb-17
9	Malegaon Makta	Ramtapur	Nanded	Nanded	0.00	16.16	0.00	Feb-17
10	132 KV Umri S/S	Karkala	Nanded	Nanded	0.00	12.31	0.00	Feb-17
11	Tapped on 33 KV Neela Feeder	Talni	Nanded	Nanded	0.00	4.72	0.00	Feb-17
12	33 KV S/S Naleshwar LILO	Rahati	Nanded	Nanded	0.00	4.32	0.00	Feb-17
13	Tapped on 33 KV Malakoli Feeder	Malegaon y	Nanded	Nanded	0.00	7.50	0.00	Feb-17
14	132 KV Dhuppa S/S	Badur	Nanded	Nanded	0.00	14.57	0.00	Feb-17
15	Nanded	Nanded	Nanded	Nanded	0.00	0.06	0.00	Mar-17
			Total		0.00	167.42	0.00	CKT-KMS
<u>SUB TOTAL FOR MARATHWADA REGION</u>					43.92	555.64	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>WESTERN MAHARASHTRA REGION:-</u>								
Bhandup Zone								
2	22 KV U/G Cable		Thane (Thane)	Bhandup	0.00	0.00	2.44	-
3	22 KV U/G Cable		Mumbai (Thane)	Bhandup	0.00	0.00	12.66	-
4	22 KV U/G Cable		Thane (Vashi)	Bhandup	0.00	0.00	30.94	-
5	33 KV U/G Cable		Thane (Vashi)	Bhandup	0.00	0.00	26.75	-
6	33 KV U/G Cable		Raigad (Vashi)	Bhandup	0.00	0.00	0.50	-
7	22 KV S/C Line		Raigad (Vashi)	Bhandup	0.00	4.05	0.00	-
8	22 KV U/G Cable		Raigad (Vashi)	Bhandup	0.00	0.00	1.27	-
9	22 KV S/C Line		Thane (Bhiwandi)	Bhandup	0.00	7.74	0.00	-
10	22 KV U/G Cable		Thane (Bhiwandi)	Bhandup	0.00	0.00	8.09	-
			Total		0.00	11.79	82.65	CKT-KMS
Pune Zone								
1	22 KV U/G Cable		Pune (Ganeshkhind)	Pune	0.00	0.00	72.21	-
2	22 KV U/G Cable		Pune (Rastapeth)	Pune	0.00	0.00	151.78	-
4	33 KV S/C Line		Pune (Pune Rural)	Pune	0.00	15.74	0.00	-
5	22 KV S/C Line		Pune (Pune Rural)	Pune	0.00	46.18	0.00	-
6	33 KV U/G Cable		Pune (Pune Rural)	Pune	0.00	0.00	17.90	-
7	22 KV U/G Cable		Pune (Pune Rural)	Pune	0.00	0.00	42.02	-
			Total		0.00	61.92	283.91	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	Wathar	Ambap	Kolhapur	Kolhapur	0.00	3.06	0.00	22.06.2016
2	Hamidwada	Pimpalgaon	Kolhapur	Kolhapur	0.00	4.00	0.00	17.01.2017
3	110 KV kurundwad	33/11 KV A.Lat	Kolhapur	Kolhapur	0.00	10.93	0.00	21.11.2016
4	111 KV kurundwad	33/11 KV A.Lat	Kolhapur	Kolhapur	0.00	2.37	0.00	21.11.2016
5	220KV Tilawani	33/11 KV Korochi	Kolhapur	Kolhapur	0.00	3.47	0.00	21.11.2016
6	EHV Halkarni	Mangaon	Kolhapur	Kolhapur	0.00	18.00	0.00	21.11.2016
7	110KV Savlaj	Manjarde	Sangli	Kolhapur	0.00	17.07	0.00	11.01.2017
8	Tapped near Sugar factory	Siddhewadi	Sangli	Kolhapur	0.00	8.50	0.00	27.12.2016
9	Tapped near Kanadwadi	Kavalapur	Sangli	Kolhapur	0.00	2.50	0.00	30.06.2016
10	Ranjani	Salgare	Sangli	Kolhapur	0.00	11.00	0.00	13.02.2016
11	Dhawadwadi	Walekindi	Sangli	Kolhapur	0.00	12.00	0.00	23.12.2016
12	Jirgyal	Basargi	Sangli	Kolhapur	0.00	14.00	0.00	10.02.2017
13	110 KV Sankh	Lavanga	Sangli	Kolhapur	0.00	20.00	0.00	31.03.2017
14	Tapped near Retharedharan Village	Retharedharan S/S	Sangli	Kolhapur	0.00	1.00	0.00	13.12.2016
15	Kadegaon EHV S/s	Wangi 33/11 KV S/S	Sangli	Kolhapur	0.00	3.20	0.00	22.07.2016
16	Vita Road	33/11 KV Belavade S/s	Sangli	Kolhapur	0.00	11.05	0.00	22.07.2016
17	Wangi (Mhasoba Tek)	Nerli Khind	Sangli	Kolhapur	0.00	6.73	0.00	22.07.2016
18	Nerli Khind	Sagreswar Sutgirani Kadegaon	Sangli	Kolhapur	0.00	5.21	0.00	27.10.2016

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
19	Wangi (Tadsar Road)	Bhagwan Mala(Shivani)	Sangli	Kolhapur	0.00	7.51	0.00	22.07.2016
20	Bhagvan Mala (Shivani)	Shivani S/stn	Sangli	Kolhapur	0.00	0.00	2.30	22.07.2016
21	Near Kadegaon EHV S/stn new 33 kv DP Line Structure	New Shirasgaov S/stn	Sangli	Kolhapur	0.00	0.00	8.20	22.07.2016
22	Shivani	Vita Road (Belavade Line)	Sangli	Kolhapur	0.00	5.70	0.00	06.12.2016
23	At Kadegaon EHV S/stn for 33/11 KV Shirasgaon s/s	-	Sangli	Kolhapur	0.00	1.62	0.00	22.07.2016
24	At Kadegaon EHV S/stn for 33/11 KV Wangi s/s	-	Sangli	Kolhapur	0.00	0.80	0.00	22.07.2016
25	At Kadegaon EHV S/stn for 33/11 KV New Shivani & Exixting Belavade	-	Sangli	Kolhapur	0.00	1.80	0.00	22.07.2016
26	Kadegaon EHV S/stn cable Tapping Point	Tadsar Road Wangi	Sangli	Kolhapur	0.00	0.50	0.00	22.07.2016
27	At Kadegaon EHV S/stn for 33/11 KV Kadegaon S/sn & Sootgirani	-	Sangli	Kolhapur	0.00	1.76	0.00	22.07.2016
28	Kadegaon EHV S/stn	Masoba Tech Wangi .	Sangli	Kolhapur	0.00	0.96	0.00	22.07.2016
29	Nerli Khind to	33/11 Kadegaon MIDC	Sangli	Kolhapur	0.00	7.10	0.00	27.10.2016
30	Wangi to	Bhalawani	Sangli	Kolhapur	0.00	1.90	0.00	31.12.2016
31	33 KV Link Line for 33/11 KV Kargani S/stn	-	Sangli	Kolhapur	0.00	0.08	0.00	26.10.2016
32	33 KV line at Belavade	-	Sangli	Kolhapur	0.00	0.92	0.00	06.12.2016
33	Yerla River (Wangi)	Wangi Kadepur road link line	Sangli	Kolhapur	0.00	4.10	0.00	31.12.2016
34	karve talav	renavi substation	Sangli	Kolhapur	0.00	11.90	0.00	06.02.2017
35	karve ehv substation	karve talav	Sangli	Kolhapur	0.00	3.04	0.00	06.02.2017
			Total		0.00	203.77	10.50	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
Baramati Zone								
1	33 KV Overhead Line		Pune (Baramati)	Baramati	0.00	147.82	0.00	-
2	22 KV Overhead Line		Pune (Baramati)	Baramati	0.00	57.00	0.00	-
3	33 KV U/G Cable		Pune (Baramati)	Baramati	0.00	0.00	10.00	-
4	22 KV U/G Cable		Pune (Baramati)	Baramati	0.00	0.00	1.20	-
5	33 KV Overhead Line		Pune (Satara)	Baramati	0.00	19.64	1.20	-
6	22 KV Overhead Line		Pune (Satara)	Baramati	0.00	28.56	0.00	-
7	22 KV U/G Cable		Pune (Satara)	Baramati	0.00	0.00	1.17	-
8	33 KV Overhead Line		Pune (Solapur)	Baramati	0.00	254.89	0.00	-
			Total		0.00	507.91	13.57	CKT-KMS
KONKAN ZONE								
1	220/33 kV Nivali - 33kV Panval Feeder	33/11 KV Panwal SS	Ratnagiri	Konkan	0.00	17.33	0.00	30.08.2016
2	220/33 kV Insuli - 33kV Tata Metallic Feeder (Tapping)	33/11 KV Sagartirth Subststion	Sindhudurg	Konkan	0.00	6.30	0.00	21.10.2016
			Total		0.00	23.63	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	9.20	0.00	-
2	22 KV U/G Cable		Thane (Kalyan-I)	Kalyan	0.00	0.00	6.73	-
3	22 KV S/C Line		Thane (Kalyan-II)	Kalyan	0.00	24.86	0.00	-
4	22 KV U/G Cable		Thane (Kalyan-II)	Kalyan	0.00	0.00	0.06	-
5	22 KV S/C Line		Palghar (Vasai)	Kalyan	0.00	41.38	0.00	-
6	22 KV U/G Cable		Palghar (Vasai)	Kalyan	0.00	0.00	1.96	-
7	33 KV D/C Line		Raigad(Pen)	Kalyan	12.06	0.00	0.00	-
8	22 KV D/C Line		Raigad(Pen)	Kalyan	12.70	0.00	0.00	-
9	22 KV S/C Line		Raigad(Pen)	Kalyan	0.00	154.17	0.00	-
10	33 KV U/G Cable		Raigad(Pen)	Kalyan	0.00	0.00	1.99	-
11	22 KV U/G Cable		Raigad(Pen)	Kalyan	0.00	0.00	87.95	-
12	33 KV S/C Line		Palghar	Kalyan	0.00	20.00	0.00	-
13	22 KV S/C Line		Palghar	Kalyan	0.00	15.49	0.00	-
			Total		24.76	265.10	98.69	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	33 kv U/G Mumbai Naka	Shiwajiwadi	Nashik	Nashik	0.00	2.70	0.00	20.8.2016
2	33/11KV Deopur S/s	new 33/11 kV shah S/s	Nashik	Nashik	0.00	16.20	0.00	29.01.2017
3	33 KV Deshmandi Shiwar	Wadjire	Nashik	Nashik	0.00	3.00	0.00	01.12.2016
4	33 KV Kundalgaon	33 KV Savakarwadi	Nashik	Nashik	0.00	9.20	0.00	01.09.2016
5	33 KV Satmane	33 KV Talwade	Nashik	Nashik	0.00	10.04	0.00	01.12.2016
6	120 Kv Sonewadi	33 KV Akolner	Ahmednagar	Nashik	0.00	12.00	0.00	23.11.2016
7	Deolgaon Sidhhi	33/11 KV Gundegaon	Ahmednagar	Nashik	0.00	8.00	0.00	25.08.2016
8	Tap from Visapur 33 KV	33/11 KV Pimpri gavli	Ahmednagar	Nashik	0.00	1.00	0.00	13.05.2016
9	Tap on 33 KV Tisgaon line	33/11 KV Manik daundi	Ahmednagar	Nashik	0.00	13.59	0.00	17.04.2017
10	Tap on 33 KV Chapadgaon	33/11 KV Hatgaon	Ahmednagar	Nashik	0.00	11.00	0.00	09.12.2016
11	132 kv Kharda	33 KV Khandvi SSTN	Ahmednagar	Nashik	0.00	15.60	0.00	27.11.2016
12	132 / 33 Vajapur S/Stn	33/11KV Talegaon Male	Ahmednagar	Nashik	0.00	10.60	0.00	26.04.2016
			Total		0.00	112.93	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>JALGAON ZONE</u>								
1	132 KV Savada	33/11 KV Pimparud	Jalgaon	Jalgaon	0.00	4.30	0.00	03.08.2016
2	Ion	Gondegaon	Jalgaon	Jalgaon	0.00	2.12	0.00	05.08.2016
3	132 KV Muktainagar	33/11 KV Sarola S/s	Jalgaon	Jalgaon	0.00	10.00	0.00	28.08.2016
4	Pimpalgaon Phata	Pimpalgaon S/s	Jalgaon	Jalgaon	0.00	8.21	0.00	06.11.2016
5	Pachora	Tarkheda	Jalgaon	Jalgaon	0.00	8.30	0.00	11.11.2016
6	Vadaji	Jalgaon	Jalgaon	Jalgaon	0.00	0.81	0.00	11.11.2016
7	132 KV Khedi S/s	33/11 KV Nahata S/s	Jalgaon	Jalgaon	0.00	3.30	0.00	12.08.2016
8	132 KV Bodwad S/s	33/11 KV Gondegaon S/s	Jalgaon	Jalgaon	0.00	14.15	0.00	17.02.2017
9	132 KV Yawal	33/11 KV Dongar Kathora	Jalgaon	Jalgaon	0.00	7.16	0.00	09.03.2017
10	132 KV Muktainagar	33/11 KV Hartale S/s	Jalgaon	Jalgaon	0.00	9.50	0.00	10.03.2017
11	33/11 KV Kerhale	33/11 KV Mohagan	Jalgaon	Jalgaon	0.00	7.30	0.00	19.03.2017
12	Mandal	Vikhran(Deviche)	Dhule	Jalgaon	0.00	5.59	0.00	27.03.2017
13	33 KV Sule	BPCL,Sangavi	Dhule	Jalgaon	0.00	0.38	0.00	27.03.2017
14	Nimms	Balde SS	Dhule	Jalgaon	0.00	7.56	0.00	02.09.2016
15	Thalner	Bhatpura SS	Dhule	Jalgaon	0.00	2.34	0.00	02.05.2016
16	132 KV Dahiwad SS	Karwand SS	Dhule	Jalgaon	0.00	6.40	0.00	02.05.2016
17	220 KV Kundane	33/11 KV Varkhedi	Dhule	Jalgaon	0.00	4.95	0.00	16.08.2016
18	33 KV Lamkani Feeder tapped	33/11 KV Burzad	Dhule	Jalgaon	0.00	0.46	0.00	16.06.2016

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
19	33/11 KV Burzad	33 KV Lamkani existing Feeder connected	Dhule	Jalgaon	0.00	0.46	0.00	16.06.2016
20	Rajdarbar Hotal (Dhule Road) Tapping to 33 Kv Aashta	Chaupale SS	Nandurbar	Jalgaon	0.00	2.50	0.00	03.06.2016
			Total		0.00	105.78	0.00	CKT-KMS
<u>SUB TOTAL FOR WESTERN MAHARASHTRA REGION</u>					24.76	1292.83	489.31	CKT-KMS
	<u>VIDARBH REGION:-</u>							
	<u>NAGPUR ZONE</u>							
1	220 Kv Kanhan	33 Kv Gondogao	Parshioni	Nagpur	0.00	3.00	0.00	20.10.2016
2	220 Kv sunflag	33 Kv Mujbi	Bhandara	Nagpur	0.00	9.00	0.00	21.12.2016
3	132 KV Mankapur	33 KV Seminary Hill	Nagpur	Nagpur	0.00	5.00	0.00	09.10.2016
4	132 KV Hingna-I	33 KV Jamtha	Nagpur	Nagpur	0.00	2.50	0.00	12.05.2016
5	220 Kv Butibori	33 KV Aprel Park	Nagpur	Nagpur	0.00	1.20	0.00	30.06.2016
6	132 KV Hingna -I	33 KV Issasani	Nagpur	Nagpur	0.00	1.50	0.00	19.12.2016
7	Madni S/Stn	Kharangna Gode S/Stn	Wardha	Nagpur	0.00	8.00	0.00	28.06.2016
8	Madni S/Stn	Kharangna Gode S/Stn	Wardha	Nagpur	0.00	1.00	0.00	31.03.2017
9	220 Kv Bhugaon	66 KV (Converted into 33 KV) line tapping near Lyod Steel	Wardha	Nagpur	0.00	2.70	0.00	10.03.2017
			Total		0.00	33.90	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>AMRAVATI ZONE</u>							
1	220 Kv Dawargaon Stn	33 KV Suryalaxmi Stn	Amravati	AMRAVATI	0.00	6.60	0.00	Apr-16
2	Antora Tapping	33 KV Warkhed Stn	Amravati	AMRAVATI	0.00	6.25	0.00	Oct-16
3	33 KV Chandur Rly Stn	33 KV Rajura Stn	Amravati	AMRAVATI	0.00	18.00	0.00	20.12.2016
4	132kv Bharsinghi	Tapping outside substation Bharsinghi	Amravati	AMRAVATI	0.00	0.70	0.00	18.03.2017
5	33KV Amner	tapped to 33KV Bharsinghi feeder	Amravati	AMRAVATI	0.00	0.25	0.00	18.03.2017
6	33 kv suryalakshmi	33 kv VHM	Amravati	AMRAVATI	0.00	0.00	6.60	Apr-16
7	33 kv Antora (Varkhed Fata)	Varkhed Village	Amravati	AMRAVATI	0.00	0.00	1.60	Mar-17
8	Varkhed Village	Varkhed NLA	Amravati	AMRAVATI	0.00	0.00	0.20	Mar-17
9	Varkhed Bus stand	Varkhed S/S	Amravati	AMRAVATI	0.00	0.00	0.20	Mar-17
10	Darwaha	Ner	Yavatmal	AMRAVATI	0.00	24.00	0.00	01.04.2016
11	Existing 33 KV	Rajurwadi	Yavatmal	AMRAVATI	0.00	2.00	0.00	20.07.2016
12	Antargaon	Ralegaon	Yavatmal	AMRAVATI	0.00	18.00	0.00	10.11.2016
13	132 Kv Digras	Digras	Yavatmal	AMRAVATI	0.00	3.16	0.00	08.11.2016
14	P'Kawada	Pahapal	Yavatmal	AMRAVATI	0.00	3.06	0.00	11.11.2016
15	Jawala	Bhamb Tap	Yavatmal	AMRAVATI	0.00	7.00	0.00	04.12.2016
16	Shibala	Hiwara Barsa	Yavatmal	AMRAVATI	0.00	6.00	0.00	12.12.2016
17	Shindola	Mohada	Yavatmal	AMRAVATI	0.00	16.00	0.00	01.12.2016
18	Chargaon	Punvat	Yavatmal	AMRAVATI	0.00	4.00	0.00	10.12.2016

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
19	Jawala	Arni	Yavatmal	AMRAVATI	0.00	8.30	0.00	03.01.2017
20	Gunj	Sawana	Yavatmal	AMRAVATI	0.00	5.50	0.00	12.01.2017
21	Kayar	Mohada	Yavatmal	AMRAVATI	0.00	14.00	0.00	15.02.2017
					0.00	142.82	8.60	CKT-KMS
	<u>AKOLA ZONE</u>							
1	Hiwarkhed	Belkhed	Akola	Akola	0.00	8.10	0.00	27.04.16
2	Hiwarkhed	Saundala	Akola	Akola	0.00	7.10	0.00	25.08.16
3	Adagaon	Edlapur	Akola	Akola	0.00	4.11	0.00	19.12.16
4	Patur	Chhanni	Akola	Akola	0.00	18.50	0.00	10.03.17
5	Khadki Tapping	PKV Washim Rd.	Akola	Akola	0.00	4.00	0.00	31.03.17
6	33 KV U/G Cable		Akola	Akola	0.00	0.00	2.30	31.03.17
7	Deulgaon Mahi S/S	Narayankhed	Buldhana	Akola	0.00	11.80	0.00	22.04.16
8	132 KV Khamgaon Balapur Fdr Tap	Palsi BK	Buldhana	Akola	0.00	8.98	0.00	23.08.16
9	133 KV Khamgaon Sajanpuri Fdr. Tap	Matargaon	Buldhana	Akola	0.00	11.82	0.00	01.09.16
10	Motala	Waghjal	Buldhana	Akola	0.00	0.18	0.00	21.12.16
11	Jalgaon Jamod	Umapur	Buldhana	Akola	0.00	13.00	0.00	25.01.17
12	Pusad Naka	Adoli S/S	Washim	Akola	0.00	14.00	0.00	19.06.16
13	132 KV Washim S/S	Ansing S/S	Washim	Akola	0.00	22.00	0.00	22.07.16
14	132 KV Digras S/S	Gavha S/S	Washim	Akola	0.00	19.00	0.00	07.10.16

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
15	Ansing Line Pimpalgaon Phata Tapping	Wai S/S	Washim	Akola	0.00	13.00	0.00	07.10.16
16	Tapping on Dongaon Line near 132 KV Malegaon S/S	Karli S/S	Washim	Akola	0.00	32.00	0.00	05.12.16
					0.00	187.59	2.30	CKT-KMS
	<u>GONDIA ZONE</u>							
1	Asgaon	walni	Bhandara	Gondia	0.00	5.5	0.00	15.06.216
2	Asgaon Tapping	Gose	Bhandara	Gondia	0.00	0.7	0.00	13.02.2017
3	Sunflag Tapping	Mohadi MIDC	Bhandara	Gondia	0.00	1.069	0.00	10.11.2016
4	33 kv pimpalgaon s/s	33 kv pohara s/s	Bhandara	Gondia	0.00	8	0.00	12.12.2016
5	33 kv gadegaon s/s	33 KV Lakhori s/s	Bhandara	Gondia	0.00	5.2	0.00	10.12.2016
					0.00	20.47	0.00	CKT-KMS
	<u>CHANDRAPUR ZONE</u>							
1	33kv Shegaon s/s	33kv Khadsangi s/s	Chandrapur	Chandrapur	0	39.00	0	15.03.2017
2	220 kv Virur	33kv Tohagaon	Chandrapur	Chandrapur	0	16.00	0	12.9.2016
3	220 kv Virur	33 kv Vihirgaon	Chandrapur	Chandrapur	0	25.58	0	27.12.2016
4	132 KV Bramhapuri s/s	33 KV Nanhori	Chandrapur	Chandrapur	0	9.34	0	14.02.2017
					0	89.92	0	CKT-KMS
	<u>SUB TOTAL FOR VIDARBH REGION</u>		Total		0	474.694	10.895	CKT-KMS
	<u>TOTAL FOR THE STATE</u>				68.68	2323.16	500.21	CKT-KMS

ANNEXURE-4

New 33/11 kV Sub-Stations & 22 kV Switching Stations Commissioned during year 2016-2017

proforma-9

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity in MVA	Date of Commissioning	Scheme
	<u>MARATHWADA REGION:-</u>					
	<u>AURANGABAD ZONE</u>					
1	33/11 kV Wadiwadi	Jalna	Jalna	5.00	08.11.2016	Infra-II
2	33/11 kV Bhutegaon	Ghanswangi	Jalna	5.00	15.11.2016	Infra-II
3	33/11 kV Banegaon	Ghanswangi	Jalna	5.00	15.11.2016	Infra-II
4	33/11 kV Karodi	Aurangabad	Aurangabad	5.00	19.08.2016	Infra-II
5	33/11 kV Kanadgaon	Khultabad	Aurangabad	5.00	19.11.2016	Infra-II
6	33/11 kV Shelgaon	Kannad	Aurangabad	5.00	25.04.2016	Infra-II
7	33/11 kV Chinchadgaon	Vijapur	Aurangabad	10.00	12.11.2016	Infra-II
8	33/11 kV Jarandi	Soygaon	Aurangabad	5.00	16.12.2016	Infra-II
			Total	45.00	MVA	
	<u>LATUR ZONE</u>					
1	33/11 KV Kumbephal	Ambajogai	Beed	5.00	17.04.2016	Infra-II
2	33/11 KV Pathrud	Majalgaon	Beed	10.00	18.06.2016	DIS
3	33/11 KV Injegaon	Parli	Beed	5.00	27.10.2016	DIS
4	33/11 KV Sangam	Parli	Beed	5.00	27.10.2016	DIS
5	33/11 KV Govardhan	Parli	Beed	5.00	27.10.2016	Infra-II
6	33/11 KV Fulsangvi	Shirur (K)	Beed	5.00	12.09.2016	DIS
7	33/11 KV Khokarmoha	Shirur (K)	Beed	5.00	17.09.2016	Infra-II
8	33/11 KV Jawalagiri	Patoda	Beed	5.00	24.09.2016	Infra-II
9	33/11 KV Ansarwada	Nilanga	Latur	5.00	10.05.2016	Infra-II
10	33/11 KV Bhise Wagoli	Latur	Latur	5.00	16.05.2016	Infra-II
11	33/11 KV Nagral	Deoni	Latur	5.00	08.11.2016	Infra-II
12	33/11 KV Ganjur	Latur	Latur	5.00	16.11.2016	Infra-II
13	33/11 KV Nagzari	Latur	Latur	5.00	16.12.2016	Infra-II
14	33/11 KV Chawanwadi	Tuljapur	Osmanabad	5.00	03.09.2016	Infra-II
15	33/11 KV Tadwala	Osmanabad	Osmanabad	5.00	11.08.2016	Infra-II
16	33/11 KV Duk Pimpri	Paranda	Osmanabad	5.00	11.08.2016	Infra-II
17	33/11 KV Dixsal	Kallam	Osmanabad	5.00	11.08.2016	Infra-II
			Total	90.00	MVA	
	<u>NANDED ZONE</u>					
1	Jawla (P)	Kalamnuri	Hingoli	5.00	Apr-16	Infra-II
2	Basamba	Hingoli	Hingoli	5.00	Apr-16	Infra-II
3	Wadgaon	Himayatnagar	Nanded	5.00	Jun-16	Infra-II
4	Khadkad Bk	Hingoli	Hingoli	5.00	Jul-16	Infra-II
5	Malegaon makta	Degloor	Nanded	5.00	Feb-17	Infra-II
6	Ramtapur	Loha	Nanded	5.00	Feb-17	Infra-II
7	Karkala	Umri	Nanded	5.00	Feb-17	Infra-II
8	Talni	Nanded	Nanded	5.00	Feb-17	Infra-II
9	Rahati	Nanded	Nanded	5.00	Feb-17	Infra-II
10	Malegaon y	Loha	Nanded	5.00	Feb-17	Infra-II
11	Badur	Biloli	Nanded	5.00	Feb-17	Infra-II
12	Khillar	Sengaon	Hingoli	5.00	Feb-17	Infra-II
13	Gunda	Basmath	Hingoli	5.00	Mar-17	Infra-II
			Total	65.00	MVA	
<u>SUB TOTAL FOR MARATHWADA</u>				200.00	MVA	

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity in MVA	Date of Commissioning	Scheme
WESTERN MAHARASHTRA REGION:-						
<u>BHANDUP ZONE</u>						
1	Sunstream	Kurla	Mumbai	20.00	16.09.2016	R-APDRP (Part-B)
2	HDIL	Kurla	Mumbai	20.00	01.09.2016	R-APDRP (Part-B)
3	Runwal	Kurla	Mumbai	10.00	13.10.2016	D.D.F.
4	33/11 KV ICL, Vashi	Thane	Thane	20.00	26.01.2017	Infra-II
5	22/22KV Pawane switching station	Thane	Thane	0.00	17.02.2017	Infra-II
6	33/11 KV CPWD CBD Sector-25	Belapur	Thane	10.00	19.05.2016	Infra
7	33/11 KV Nerul Sector-19 A	Belapur	Thane	20.00	08.07.2016	Infra
8	33/11 KV Amey Sector-4	Belapur	Thane	10.00	14.07.2016	Infra
9	33/11 KV L & T Seawoods	Belapur	Thane	10.00	24.01.2017	DDF
10	33KV Swt. Stn Sec-29	Panvel	Raigad	10.00	06.04.2016	MBR 1330 CIDCO
11	33/11KV,Sector-27,Kharghar	Panvel	Raigad	30.00	06.04.2016	MBR 1330 CIDCO
			Total	160.00	MVA	
<u>PUNE ZONE</u>						
1	22/22 KV R. R. Megacity	Mulshi	Pune (Ganeshkhind)	0	07.10.16	DDF
2	22/22 KV IBP	Mulshi	Pune (Ganeshkhind)	0	13.04.16	DDF
3	22/22 KV Devi Indrayani	Haveli	Pune (Ganeshkhind)	0	23.06.16	INFRA II
4	22/22 KV- T-201	Haveli	Pune (Ganeshkhind)	0	23.06.16	INFRA II
5	22/22 KV Alankapuram	Haveli	Pune (Ganeshkhind)	0	18.05.16	INFRA II
6	22/22 KV Farande woods	Haveli	Pune (Ganeshkhind)	0	06.12.16	DDF
7	22/22KV Madhukosh Switching Station	Pune	Pune (Rastapeth)	0	25.11.2016	Infra -II
8	22/22KV Urban gramSwitching Station	Pune	Pune (Rastapeth)	0	25.11.2016	Infra -II
9	22/22KV Saint nagar Switching Station	Pune	Pune (Rastapeth)	0	2.01.2017	Infra -II
10	22/22KV Zenser Switching Station	Pune	Pune (Rastapeth)	0	23.01.2017	Infra -II
11	22/22KV Marval Zapayar Switching Station	Pune	Pune (Rastapeth)	0	10.02.2017	Infra -II
12	22/22KV Shiddhivinayak Switching Station	Pune	Pune (Rastapeth)	0	25.10.2016	Infra -II
13	22/22 kV Grand View 7 Switching Station	Pune	Pune (Rastapeth)	0	22.09.2016	DDF
14	22/22 kV Shanti Nagar Switching Station	Pune	Pune (Rastapeth)	0	29.08.2016	Infra -II
15	Purvarang	Haveli	Pune (Pune Rural)	0	19.05.2016	Infra -II

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity in MVA	Date of Commissioning	Scheme
16	22/11KV Urban Gram Sub Station	Haveli	Pune (Ganeshkhind)	10.00	06.10.2016	Infra -II
17	22/11 KV Pethkar	Mulshi	Pune (Ganeshkhind)	5.00	02.01.2017	Infra -II
18	22/11 KV Benchmark	Mulshi	Pune (Ganeshkhind)	5.00	15.12.2016	Infra -II
19	22/11 KV Venketech Grafity	Pune	Pune (Rastapeth)	10.00	17.02.2017	Infra -II
20	22/11 KV Ghorpadi Peth	Pune	Pune (Rastapeth)	10.00	24.11.2016	Infra -II
21	22/11 Kv Takshila	Pune	Pune (Rastapeth)	10.00	13.04.2016	Infra -II
22	33/11 kV Avasari	Ambegaon	Pune (Pune Rural)	5.00	28.04.2016	Infra -II
23	33/11 kV Hivare-T-Narayangaon	Junnar	Pune (Pune Rural)	5.00	30.05.2016	Infra -II
24	33/22kV MIDC , Vasuli Chakan	Khed	Pune (Pune Rural)	10.00	05.01.2017	Infra -II
25	33/11kV Rehau Polymers	Khed	Pune (Pune Rural)	5.00	16.01.2017	Infra -II
			Total	75.00	MVA	
	<u>KOLHAPUR ZONE</u>					
1	33/11 kV Alate Awade Mala	Hatkanangale	Kolhapur	20.00	01.05.2016	Infra -II
2	33/11 kV Ghosarwad	Shirol	Kolhapur	5.00	09.08.2016	Infra -II
3	33/11 kV Nangnur	Gadhinglaj	Kolhapur	5.00	22.10.2016	Infra -II
4	33/11 kV Vetawade	Panhala	Kolhapur	5.00	16.07.2016	Infra -II
5	33/11 kV Abdullat	Shirol	Kolhapur	10.00	21.11.2016	Infra -II
6	33/11 kV Korochi	Hatkanangale	Kolhapur	20.00	23.02.2017	Infra -II
7	33/11 kV Pimpalgaon	Kagal	Kolhapur	5.00	17.01.2017	Infra -II
8	33/11 kV Renavi	Khanapur	Sangli	5.00	12.05.2016	Infra -II
9	33/11 kV Kavalapur	Miraj	Sangli	5.00	30.06.2016	Infra -II
10	33/11 kV Shivani	Kadegaon	Sangli	5.00	17.09.2016	Infra -II
11	33/11 kV Salgare	Miraj	Sangli	5.00	31.10.2016	Infra -II
12	33/11 kV Shirasgaon	Kadegaon	Sangli	5.00	26.11.2016	Infra -II
13	33/11 kV Rethre Dharan	Walwa	Sangli	5.00	13.12.2016	Infra -II
14	33/11 kV Walekhindi	Jath	Sangli	5.00	23.12.2016	Infra -II
15	33/11 kV Siddhewadi	Miraj	Sangli	5.00	27.12.2016	Infra -II
16	33/11 kV Manjarde	Tasgaon	Sangli	5.00	11.01.2017	Infra -II
17	33/11 kV Bhalwani	Khanapur	Sangli	5.00	10.2.2017	Infra -II
18	33/11 kV Basargi	Jath	Sangli	5.00	13.02.2017	Infra -II
			Total	125.00	MVA	

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity in MVA	Date of Commissioning	Scheme
	<u>BARAMATI ZONE</u>					
1	33/11KV BABHULGAON	Indapur	Pune	10.00	30.06.2016	Infra II
2	33/11KV KALAMB	Indapur	Pune	10.00	27.05.2016	Infra II
3	33/11KV Baravnagar	Baramati	Pune	10.00	16.07.2016	Infra II
4	33/11Kv Pimpalgaon	Daund	Pune	10.00	03.12.2016	Infra-II
5	33/11 kv Malthan	Daund	Pune	10.00	13.08.2016	Infra-II
6	33/11Kv Kanhur Mesai	Shirur	Pune	10.00	12.11.2016	Infra-II
7	33/11Kv Ganegaon Dhumale	Shirur	Pune	10.00	18.05.2016	Infra-II
8	33/11Kv Alegaon Paga	Shirur	Pune	10.00	04.08.2016	Infra-II
9	33/22 Kv Bopgaon	Purandar	Pune	10.00	18.06.2016	Infra-II
10	33/ 11 KV Marul H	Patan	Satara	5.00	29.09.2016	Infra II
11	33/11 KV Ranjani	Man	Satara	10.00	10.05.2016	Infra II
12	Hingani	Barshi	Solapur	5.00	24.05.2016	Infra-II
13	Dhamangaon	Barshi	Solapur	5.00	03.08.2016	Infra-II
14	Bavi	Barshi	Solapur	5.00	01.12.2016	Infra-II
15	Ratanjan	Barshi	Solapur	5.00	25.01.2017	Infra-II
16	Katraj	Karmala	Solapur	5.00	08.09.2016	Infra-II
17	Shetphal	Karmala	Solapur	5.00	19.05.2016	Infra-II
18	Zare	Karmala	Solapur	5.00	12.11.2016	Infra-II
19	Mitkalwadi	Madha	Solapur	5.00	25.02.2017	Infra-II
20	Dhavalas	Madha	Solapur	5.00	10.02.2017	Infra-II
21	Takali	Madha	Solapur	5.00	15.02.2017	Infra-II
22	Jamgaon	Madha	Solapur	5.00	25.01.2017	Infra-II
23	Barloni	Madha	Solapur	5.00	23.01.2017	Infra-II
24	Aurad	South Solapur	Solapur	5.00	28.10.2016	Infra-II
25	Nimbargi	South Solapur	Solapur	5.00	21.09.2016	Infra-II
26	Mirajgi	Akkalkot	Solapur	5.00	01.02.2017	Infra-II
27	Gotewadi	Mohol	Solapur	5.00	09.11.2016	Infra-II
28	Jamgaon	Mohol	Solapur	5.00	10.11.2016	Infra-II
29	Waddegaon	Mohol	Solapur	5.00	02.12.2016	Infra-II
30	Miri	Mohol	Solapur	5.00	04.02.2017	Infra-II
31	Gadegaon	Pandharpur	Solapur	10.00	23.03.2017	Infra-II
32	MIDC Mangalwedha	Mangalwedha	Solapur	5.00	20.03.2017	Infra-II
33	Diksal	Sangola	Solapur	5.00	17.02.2017	PSI
			Total	220.00		

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity in MVA	Date of Commissioning	Scheme
	<u>KALYAN ZONE</u>					
1	22/22 kV Saravali-Kon switching station	Bhiwandi	Thane	0.00	15.05.2016	Infra I
2	22/22 KV Aspee Switching Station	Wada	Palghar	0.00	26.10.2016	Infra II
3	22/22KV Nalasopara West Switching	Vasai	Palghar	0.00	06.06.2016	RAPDRP
4	22/22KV Mhada Switching	Vasai	Palghar	0.00	23.01.2017	DDF
5	Tata Mahindra 33/11KV S/S	Boisar	Palghar	15.00	31.03.2017	DDF
6	22/22 KV Indiabulls Switching Station	Panvel	Raigad	0.00	20.05.2016	DDF
			Total	15.00		
	<u>NASHIK ZONE</u>					
1	33/11 Kv Shivajiwadi	Nashik	Nashik	10.00	20.08.2016	Infra II
2	33/11 kV Wadjire	Sinner	Nashik	10.00	24.11.2016	Infra II
3	33/11 KV Shah	Sinnar	Nashik	5.00	29.01.2017	Infra II
4	33/11 KV Karanjali	Peth	Nashik	5.00	20.01.2017	Infra II
5	33/11 Sawakarwadi	Malegaon	Nashik	5.00	18.07.2016	Infra II
6	33/11 Talwade	Malegaon	Nashik	10.00	15.11.2016	Infra II
7	33/11 Vikharni	Yeola	Nashik	10.00	12.12.2016	Infra II
8	33/11 KV Akolner	Nagar	Nagar	5.00	23.11.2016	Infra II
9	33/11 KV Gundegaon	Nagar	Nagar	5.00	25.08.2016	Infra II
10	33/11 KV Pimpri Gawali	Parner	Nagar	5.00	13.05.2016	Infra II
11	33/11 KV Manik daundi	Pathardi	Ahmednagar	5.00	17.04.2017	Infra II
12	33/11 KV Hatgaon	Shevgaon	Ahmednagar	5.00	09.12.2016	Infra II
13	33/11KV Talegaon male	Kopergaon	Ahmednagar	5.00	26.04.2016	Infra II
14	33/11KV Vadgaon Landaga	Sangamner	Ahmednagar	5.00	20.10.2016	Infra II
			Total	90.00	MVA	
	<u>JALGAON ZONE</u>					
1	Ranjani	Jamner	Jalgaon	5.00	15.09.2016	Infra II
2	Sarola	M'Nagar	Jalgaon	5.00	27.10.2016	Infra II
3	Pimprud	Yawal	Jalgaon	5.00	30.07.2016	Infra II
4	Pimpalgaon	Chalisingaon	Jalgaon	5.00	8.11.2016	Infra II
5	Hatale	Chalisingaon	Jalgaon	5.00	17.05.2016	Infra II
6	Lon(P)	Bhadgaon	Jalgaon	5.00	5.08.2016	Infra II
7	Wawade	Amalner	Jalgaon	5.00	3.09.2016	Infra II
8	Mohgan	Raver	Jalgaon	5.00	19.03.2017	TSP
9	33/11 KV Balde	Shirpur	Dhule	5.00	02.09.2016	Infra II
10	33/11 KV Bhatpura	Shirpur	Dhule	5.00	02.05.2016	Infra II
11	33/11 KV Karwand	Shirpur	Dhule	5.00	02.05.2016	Infra II
12	33/11 KV Burzad	Dhule	Dhule	5.00	16.06.2016	Infra II
13	33/11kv Chaupale Substation	Nandurbar	Nandurbar	5.00	03.06.16	Infra-II
14	33/11kv Khatgaon Substation	Navapur	Nandurbar	5.00	12.09.16	Infra-I
			Total	70.00	MVA	

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity in MVA	Date of Commissioning	Scheme
	<u>KONKAN ZONE</u>					
1	33/11 kv Panwal	Ratnagiri	Ratnagiri	5.00	30.08.2016	Infra-II
2	33/11 kv Sagartirth	Vengurla	Sindhudurg	3.15	21.10.2016	Ag Backlog
			Total	8.15		
	<u>SUB TOTAL FOR WESTERN MAHARASHTRA REGION</u>			763.15	MVA	
	<u>VIDARBH REGION:-</u>					
	<u>AMRAVATI ZONE</u>					
1	33 KV Amner	Warud	Amravati	5.00	17.03.17	Infra-II
2	33 kv Warkhed	Tiwasa	Amravati	5.00	22.9.16	Infra-II
3	33 kv Rajura	chandur Rly	Amravati	5.00	20.12.16	Infra-II
4	33 kv Surya lakshmi	Amravati	Amravati	20.00	05.4.16	Infra-II
5	33 kv VHM	Amravati	Amravati	20.00	05.4.16	Infra-II
6	33 KV RAJURWADI	GHATANJI	Yavatmal	5.00	20.07.2016	Infra-II
7	33 KV DIGRAS	DIGRAS	Yavatmal	20.00	08.11.2016	66 Kv Elimination
8	33 KV PAHAPAL	KELAPUR	Yavatmal	5.00	11.11.2016	Infra-II
9	33 KV HIWARA BARASA	KELAPUR	Yavatmal	5.00	25.11.2016	Backlog
10	33 KV MOHADA	WANI	Yavatmal	5.00	01.12.2016	Backlog
11	33 KV PUNVAT	WANI	Yavatmal	5.00	10.12.2016	Backlog
12	33 KV SAWANA	MAHAGAON	Yavatmal	5.00	12.01.2017	Infra-II
13	33 KV ADEGAON	ZARI JAMANI	Yavatmal	5.00	15.02.2017	Backlog
			Total	110.00	MVA	
	<u>AKOLA ZONE</u>					
1	Belkhed	Telhara	Akola	5.00	27.04.16	Infra-II
2	Saundala	Telhara	Akola	5.00	25.08.16	Infra-II
3	Edlapur	Telhara	Akola	5.00	19.12.16	Infra-II
4	Chhanni	Patur	Akola	5.00	24.01.17	Infra-II
5	Washim Bypass	Akola	Akola	20.00	27.02.17	RAPDRP
6	Narayankhed	Deulgaon Raja	Buldhana	5.00	22.04.16	Infra-II
7	Palashi BK	Khamgaon	Buldhana	5.00	02.12.16	Infra-II
8	Waghjal	Motala	Buldhana	5.00	21.12.16	Infra-II
9	Umapur	Jalgaon Jamod	Buldhana	5.00	25.01.17	Infra-II
10	Adoli	Washim	Washim	5.00	19.06.16	Infra-II
11	Ansing	Washim	Washim	5.00	22.07.16	PSI
12	Gavha	Manora	Washim	5.00	07.10.16	PSI
13	Wai	Washim	Washim	5.00	07.10.16	PSI
14	Karli	Malegaon	Washim	5.00	05.12.16	PSI
			Total	85.00	MVA	

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity in MVA	Date of Commissioning	Scheme
	<u>NAGPUR ZONE</u>					
1	33 Kv gondegao	Parshioni	Nagpur	20.00	20.10.2016	infra-I
2	33 Kv Khat	Mouda	Nagpur	10.00	21.12.2016	infra-II
3	33/11 KV Kacherisawanga	Katol	Nagpur	5.00	15.02.2017	Infra-II
4	33/11 KV Seminary Hills	Nagpur	Nagpur	10.00	09.01.2016	Capex DF Area
5	33/11 KV Jamtha	Nagpur R	Nagpur	10.00	12.05.2016	Infra II
6	33/11 KV Jaitala	Nagpur	Nagpur	10.00	01.06.2016	Infra II
7	33/11 KV Aprel Park	Nagpur R	Nagpur	10.00	30.06.2016	Infra II
8	33/11 KV Issasani	Hingna	Nagpur	10.00	19.12.2016	Infra II
			Total	85.00	MVA	
	<u>GONDIA ZONE</u>					
1	WALNI	Paoni	Bhandara	5.00	15.06.2016	Infra -II
2	MOHADI MIDC	Mohadi	Bhandara	20.00	10.11.2016	Infra -II
3	33 KV Pohara s/s	Lakhani	Bhandara	5.00	12.12.2017	Infra -II
4	33 KV Lakhori S/S	Lakhani	Bhandara	5.00	10.12.2017	Infra -II
			Total	35.00	MVA	
	<u>CHANDRAPUR ZONE</u>					
1	33/11KV Khadsangi	Chimur	Chandrapur	5.00	15.03.2017	Infra -II
2	33/11 KV BHANDAK	Bhadrvti	Chandrapur	10.00	21.03.2017	66 KV Elemanation
3	33/11 KV Tohagaon	Gondpipri	Chandrapur	5.00	12.9.2016	PFC
4	33/11 KV Vihigaon	Rajura	Chandrapur	5.00	27.12.2016	PFC
5	33 KV Nanhori	Bramhapuri	Chandrapur	5.00	14.02.2017	Infra -II
				30.00		
	<u>SUB TOTAL FOR VIDARBH REGION</u>			345.00	MVA	
	<u>TOTAL FOR THE STATE</u>			1308.15	MVA	

ANNEXURE-4(a)**proforma-10****Augmentation of Transformer Capacity at 33/11kV & 33/22 kV Sub-Stations during 2016-2017**

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
MARATHWADA REGION:-							
<u>AURANGABAD ZONE</u>							
1	Chikalthan	Kannad	Aurangabad	5.00	18.11.2016	Infra-II	1 X 5 MVA to 1 X 10 MVA
			Total	5.00	MVA		
<u>LATUR ZONE</u>							
1	33/11 KV Murud	Latur	Latur	1.85	16.10.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
2	33/11 KV Devarjan	Udgir	Latur	1.85	08.11.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
3	33/11 KV Shirala	Paranda	Osmanabad	1.85	12.08.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
4	33/11 KV Ambe Jawalga	Osmanabad	Osmanabad	1.85	12.08.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
			Total	7.40	MVA		
<u>NANDED ZONE</u>							
1	Sonkhed	Loha	Nanded	1.85	Feb-17	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
2	Kapshi	Loha	Nanded	1.85	Feb-17	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
3	Ardhapur	Ardhapur	Nanded	1.85	Feb-17	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
4	Kalambar	Loha	Nanded	1.85	Feb-17	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
5	Ghungrala	Naigaon	Nanded	1.85	Feb-17	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
			Total	9.25	MVA		
SUB TOTAL OF MARATHWADA REGION				21.65	MVA		

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
<u>WESTERN MAHARASHTRA REGION:-</u>							
<u>BHANDUP ZONE</u>							
1	22/11 KV KK s/s	Thane	Thane	5	09.12.2016	Infra-II	1 X 5 MVA to 1 X 10 MVA
			Total	5.00	MVA		
<u>PUNE ZONE</u>							
			Total	0.00	MVA		
<u>KALYAN ZONE</u>							
1	Boisar no 2	Palghar	Palghar	5.00	Oct-16	Infra II	1 X 5 MVA to 1 X 10 MVA
			Total	5.00	MVA		
<u>KONKAN ZONE</u>							
1	33/11kV Oras S/S	Kudal	Sindhudurg	1.85	12.09.2016	O & M	1 X 3.15 MVA to 1 X 5 MVA
			Total	1.85	MVA		
<u>KOLHAPUR ZONE</u>							
1	33/11 kV Kumbhoj	Hatkanangle	Kolhapur	5.00	24.08.2016	Infra-II	1 X 5 MVA to 1 X 10 MVA
2	33/11 kV Kumbhoj	Hatkanangle	Kolhapur	5.00	03.10.2016	Infra-II	1 X 5 MVA to 1 X 10 MVA
3	33/11 kV Hupari	Hatkanangle	Kolhapur	1.85	02.11.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
4	33/11 kV Kadgaon	Bhudargad	Kolhapur	1.85	15.07.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
			Total	13.70	MVA		
<u>BARAMATI ZONE</u>							
1	33/22/11 KV MIDC	Wai	Satara	5.00	20.05.2016	Infra-II	1 X 5 MVA to 1 X10 MVA
2	33/22 KV Panchgani	M'shwar	Satara	5.00	25.05.2016	Infra-II	1 X 5 MVA to 1 X10 MVA
3	33/11 KV Velapur	Pandharpur	Solapur	1.85	15.06.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
4	33/11 KV Vairag	Barshi	Solapur	1.85	20.01.2017	Maintenance form KOPC	1 X 3.15 MVA to 1 X 5 MVA
			Total	13.70	MVA		

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
	<u>NASHIK ZONE</u>						
1	33/11 KV Dapur	Sinnar	Nashik	1.85	07.09.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
2	33/11KV Dapur	Sinnar	Nashik	1.85	07.09.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
3	33/11 Soundane	Malegaon	Nasik	1.85	26.07.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
4	33/11 Soundane	Malegaon	Nasik	1.85	26.07.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
5	33/11 Soundane	Malegaon	Nasik	2.00	26.07.2016	Infra-II	1 X 3 MVA to 1 X 5 MVA
6	33/11 Vadner	Malegaon	Nasik	1.85	06.10.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
7	33/11 Vadner	Malegaon	Nasik	1.85	06.10.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
8	33/11 Umrane	Malegaon	Nasik	1.85	14.07.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
9	33/11 KV Mahalpatane	Baglan	Nasik	2.00	18.02.2016	Infra-II	1 X 3 MVA to 1 X 5 MVA
10	Jamkhed	Jamkhed	Ahmednagar	5.00	01.09.2016	Infra-II	1 X 5 MVA to 1 X10 MVA
11	Kharda	Jamkhed	Ahmednagar	1.85	01.10.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
12	Kuldharan	Karjat	Ahmednagar	5.00	24.02.2017	Infra-II	1 X 5 MVA to 1 X10 MVA
13	Pargaon	Shrigonda	Ahmednagar	1.85	09.06.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
14	33/11KV Nimgaon	Rahata	Ahmednagar	5.00	10.08.2016	Infra-II	1 X 5 MVA to 1 X10 MVA
15	Deolali II	Rahuri	Ahmednagar	1.85	26.05.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
16	Bramhani	Rahuri	Ahmednagar	1.85	04.07.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
17	Aradgaon I	Rahuri	Ahmednagar	1.85	05.07.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
18	Taklibhan	Shrirampur	Ahmednagar	1.85	08.08.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
19	Wambori II	Rahuri	Ahmednagar	1.85	03.10.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
20	Taklimiya	Rahuri	Ahmednagar	1.85	21.10.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
21	Bhokar-I	Shrirampur	Ahmednagar	1.85	29.10.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
22	Wambori I	Rahuri	Ahmednagar	1.85	28.10.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
			Total	50.45	MVA		
	<u>JALGAON ZONE</u>						
1	Dhanora	Infra-II	Jalgaon	1.85	03.9.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
2	Chandao	Infra-II	Jalgaon	1.85	31.08.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
			Total	3.70	MVA		
	<u>SUB TOTAL OF WESTERN MAHARASHTRA REGION</u>			93.40	MVA		

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
	<u>VIDARBH REGION:-</u>						
	<u>AMRAVATI ZONE</u>						
1	33/11 KV Kurha	Tiwasa	Amravati	1.85	27.12.2016	Maint	1 X 3.15 MVA to 1 X 5 MVA
2	33/11 KV Shirala	Amravati	Amravati	1.85	27.12.2016	Maint	1 X 3.15 MVA to 1 X 5 MVA
3	33 KV Shindola	Wani	Yavatmal	1.85	02.05.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
4	33 KV Bori	Kelapur	Yavatmal	1.85	21.05.2016	Infra-II	1 X 3.15 MVA to 1 X 5 MVA
			Total	7.40	MVA		
	<u>AKOLA ZONE</u>						
	<u>NAGPUR ZONE</u>						
1	33/11 KV Bhiwapur	Bhiwapur	Nagpur	6.85	16.09.2016	Infra-II	1 X 3.15 MVA to 1 X 10 MVA
2	33/11 KV Saoner S/stn	Saoner	Nagpur	5.00	31.03.2017	Infra-II	1 X 5 MVA to 1 X 10 MVA
3	33/11 KV KV Parshioni S/stn.	Parshioni	Nagpur	2.00	20.06.2016	Infra-II	1 X 3 MVA to 1 X 5 MVA
4	33/11 KV Sawngi	Hingna	Nagpur	5.00	16.07.2016	Infra-II	1 X 5 MVA to 1 X 10 MVA
5	33/11 KV Wanadongri	Hingna	Nagpur	5.00	12.04.2016	Infra-II	1 X 5 MVA to 1 X 10 MVA
			Total	23.85	MVA		
	<u>GONDIA ZONE</u>						
	<u>CHANDRAPUR ZONE</u>						
	<u>SUB TOTAL OF VIDARBH REGION</u>			31.25	MVA		
	TOTAL FOR THE STATE			146.30	MVA		

ANNEXURE-4(b)**proforma-10****Additional Power Transformer Commissioned at 33/11kV & 33/22 kV Sub-Stations during 2016-2017**

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
<u>MARATHWADA REGION:-</u>							
<u>AURANGABAD ZONE</u>							
1	33/11 kV E-Sector	Aurangabad	Aurangabad	3.15	10.02.2017	U&M (Rural Circle)	Additional 1x3.15 MVA
2	33/11 kV Wadod Bazar	Phulambri	Aurangabad	5.00	01.04.2016	Infra-II	Additional 1x5 MVA
3	33/11 kV Limbejalgaon	Gangapur	Aurangabad	5.00	07.05.2016	Infra-II	Additional 1x5 MVA
4	33/11 kV Warkhed	Gangapur	Aurangabad	5.00	12.08.2016	Infra-II	Additional 1x5 MVA
5	33/11 kV Ganeshwadi	Phulambri	Aurangabad	5.00	25.10.2016	Infra-II	Additional 1x5 MVA
6	33/11 kV Aland	Phulambri	Aurangabad	5.00	28.10.2016	Infra-II	Additional 1x5 MVA
7	33/11 kV Shendra	Aurangabad	Aurangabad	10.00	14.02.2017	Infra-II	Additional 1x10 MVA
8	33/11 kV Gandheli	Aurangabad	Aurangabad	5.00	13.01.2017	Infra-II	Additional 1x5 MVA
9	33/11 kV Bhavan	Sillod	Aurangabad	5.00	01.04.2016	Infra-II	Additional 1x5 MVA
10	33/11 kV Garaj	Vaijapur	Aurangabad	5.00	17.12.2.016	Infra-II	Additional 1x5 MVA
11	33/11 kV Bharadi	Sillod	Aurangabad	5.00	12.12.2016	U&M (Rural Circle)	Additional 1x5 MVA
			Total	58.15	MVA		
<u>LATUR ZONE</u>							
1	33 KV Dindrud	Majalgaon	Beed	5.00	12.11.2016	Infra-II	Additional 1x5 MVA
2	33 KV Padalsinghi	Georai	Beed	5.00	13.06.2016	Infra-II	Additional 1x5 MVA
3	33 KV Sirasmarg	Georai	Beed	5.00	28.06.2016	Infra-II	Additional 1x5 MVA
4	33 KV Salgara	Tuljapur	Osmanabad	5.00	03.09.2016	Infra-II	Additional 1x5 MVA
5	33 KV Lohara	Lohara	Osmanabad	5.00	09.01.2016	Infra-II	Additional 1x5 MVA
6	33 KV Wadgaon	Osmanabad	Osmanabad	5.00	11.08.2016	Infra-II	Additional 1x5 MVA
			Total	30.00	MVA		
<u>NANDED ZONE</u>							
1	Gurudwara-Nanded	Nanded	Nanded	5.00	Jun-16	R APDRP	Additional 1x5 MVA
2	Sindhi	Umri	Nanded	5.00	Aug-16	Infra-II	Additional 1x5 MVA
3	Kautha	Nanded	Nanded	5.00	Sep-16	Infra-II	Additional 1x5 MVA
4	Bori	Jintur	Parbhani	5.00	Feb-17	Infra-II	Additional 1x5 MVA
5	Babhulgaon	Pathri	Parbhani	5.00	Feb-17	Infra-II	Additional 1x5 MVA
6	Hadgaon	Pathri	Parbhani	5.00	Feb-17	Infra-II	Additional 1x5 MVA
			Total	30.00	MVA		
<u>SUB TOTAL OF MARATHWADA REGION</u>				118.15	MVA		

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
<u>WESTERN MAHARASHTRA REGION:-</u>							
<u>BHANDUP ZONE</u>							
1	22/1 Sec-15 Airoli	Thane	Thane	5.00	10.12.2016	Infra-II	Additional 1x5 MVA
			Total	5.00	MVA		
<u>PUNE ZONE</u>							
1	22/11 Kumar Cerebrum Stn	Pune	Pune (Rastapeth)	10.00	25.02.2017	DDF	Additional 1x10 MVA
2	22/11 Hariganga	Pune	Pune (Rastapeth)	10.00	24.10.2016	DDF	Additional 1x10 MVA
3	33/11 KV Wadgaon Kashibe	Ambegaon	Pune (Pune Rural)	5.00	18.10.2016	Infra II	Additional 1x5 MVA
4	33/11 KV Pimparkhed	Ambegaon	Pune (Pune Rural)	5.00	28.10.2016	Infra II	Additional 1x5 MVA
5	33/11 KV Shingve	Ambegaon	Pune (Pune Rural)	5.00	23.11.2016	Infra II	Additional 1x5 MVA
6	33/11 KV Pait	Khed	Pune (Pune Rural)	5.00	14.01.2017	Infra II	Additional 1x5 MVA
7	33/11 KV Chandoli	Khed	Pune (Pune Rural)	5.00	23.12.2016	Infra II	Additional 1x5 MVA
8	33/22 KV Shelpimpalgaon	Khed	Pune (Pune Rural)	10.00	23.01.2017	Infra II	Additional 1x10 MVA
9	33/22KV Koregaon Mul	Haveli	Pune (Pune Rural)	10.00	06.09.2016	Infra II	Additional 1x10 MVA
			Total	65.00	MVA		
<u>KALYAN ZONE</u>							
<u>KONKAN ZONE</u>							
1	33/11 kV Lanja S/S	Lanja	Ratnagiri	5.00	30.04.2016	RAPDRP	Additional 1x5 MVA
			Total	5.00	MVA		
<u>KOLHAPUR ZONE</u>							
1	Kavathepiran	Miraj	Sangli	5.00	04.04.2016	infra-II	Additional 1x5 MVA
2	Karoli T	K'Mahankal	Sangli	5.00	01.06.2016	infra-II	Additional 1x5 MVA
3	Yedemachindra	Walwa	Sangli	5.00	20.06.2016	infra-II	Additional 1x5 MVA
4	Lavanga	Jath	Sangli	5.00	28.09.2016	infra-II	Additional 1x5 MVA
5	Shirala MIDC	Shirala	Sangli	5.00	19.01.2017	infra-II	Additional 1x5 MVA
6	Deshing	K'Mahankal	Sangli	5.00	07.02.2017	infra-II	Additional 1x5 MVA
7	Brahmnal	Miraj	Sangli	5.00	19.02.2017	infra-II	Additional 1x5 MVA
			Total	35.00	MVA		

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
	<u>BARAMATI ZONE</u>						
1	33/11KV Malegaon	Baramati	Pune	5.00	27.08.2016	Infra II	Additional 1x5 MVA
2	33/22KV Kapashi Sub Station	Phaltan	Satara	5.00	05.07.2016	Infra II	Additional 1x5 MVA
3	Shripur	Pandharpur	Solapur	5.00	18.06.16	Infra-II	Additional 1x5 MVA
4	Washimbe	Karmala	Solapur	5.00	15.03.17	Infra-II	Additional 1x5 MVA
5	Karamala	Karmala	Solapur	5.00	18.02.17	Infra-II	Additional 1x5 MVA
6	Surli	Madha	Solapur	5.00	15.01.17	Infra-II	Additional 1x5 MVA
7	Wangi	Karmala	Solapur	3.15	23.03.17	Maintenance	Additional 1x3.15 MVA
8	Jamgaon	Barshi	Solapur	5.00	24.12.16	Infra-II	Additional 1x5 MVA
9	Surli	Madha	Solapur	5.00	28.02.17	Infra-II	Additional 1x5 MVA
10	Shewate	Pandharpur	Solapur	5.00	24.01.17	Infra-II	Additional 1x5 MVA
11	Alegaon	Pandharpur	Solapur	5.00	04.04.16	Infra-II	Additional 1x5 MVA
12	Bramhapuri	Mangalwedha	Solapur	5.00	15.04.16	Infra-II	Additional 1x5 MVA
13	Khupsungi	Mangalwedha	Solapur	5.00	12.04.16	Infra-II	Additional 1x5 MVA
14	Marapur	Mangalwedha	Solapur	5.00	20.04.16	Infra-II	Additional 1x5 MVA
15	Tandulwadi	South Solapur	Solapur	5.00	27.06.16	Infra-II	Additional 1x5 MVA
			Total	73.15	MVA		
	<u>NASHIK ZONE</u>						
1	33/11 KV Deopur	Sinnar	Nasik	5.00	25.09.2016	Infra-II	Additional 1x5 MVA
2	33/11 KV Somthana	Sinnar	Nasik	5.00	25.09.2016	Infra-II	Additional 1x5 MVA
3	33/11 Kalwadi	Malegaon	Nasik	5.00	19.09.2016	Infra-II	Additional 1x5 MVA
4	33/11 Satmane	Malegaon	Nasik	5.00	02.11.2016	Infra-II	Additional 1x5 MVA
5	33/11 Patne	Malegaon	Nasik	5.00	28.11.2016	Infra-II	Additional 1x5 MVA
6	33/11KV Karanji	Kopergaon	Ahmednagar	5.00	31.01.2017	Infra-II	Additional 1x5 MVA
7	L Block	Ahmednagar	Ahmednagar	5.00	09.04.2016	Infra-II	Additional 1x5 MVA
8	MID SANGAVI	PATHARDI	Ahmednagar	5.00	04.02.2017	Infra-II	Additional 1x5 MVA
9	Rajuri	Jamkhed	Ahmednagar	5.00	17.05.2016	Infra-II	Additional 1x5 MVA
10	Bhambora	Karjat	Ahmednagar	10.00	01.08.2016	Infra-II	Additional 1x10 MVA
11	Kombhali	Karjat	Ahmednagar	5.00	02.06.2016	Infra-II	Additional 1x5 MVA
12	Mandavgan	Shrigonda	Ahmednagar	5.00	19.08.2016	Infra-II	Additional 1x5 MVA
13	Karjat	Karjat	Ahmednagar	5.00	04.10.2016	Infra-II	Additional 1x5 MVA
14	Mirajgaon	Karjat	Ahmednagar	5.00	10.08.2016	Infra-II	Additional 1x5 MVA
15	Ambi	Rahuri	Ahmednagar	5.00	25.05.2016	Infra-II	Additional 1x5 MVA
16	Wakdi	Rahata	Ahmednagar	5.00	26.08.2016	Infra-II	Additional 1x5 MVA
17	Naigaon Naur	Shrirampur	Ahmednagar	5.00	28.11.2016	Infra-II	Additional 1x5 MVA
			Total	90.00	MVA		

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
	<u>JALGAON ZONE</u>						
1	Engaon	Bodwad	Jalgaon	5.00	07.5.2016	Infra-II	Additional 1x5 MVA
2	Ghodasgaon	M'Nagar	Jalgaon	5.00	19.7.2016	Infra-II	Additional 1x5 MVA
3	Talegaon	Jamner	Jalgaon	5.00	26.11.2016	Infra-II	Additional 1x5 MVA
4	Nhavi	Yawal	Jalgaon	5.00	24.4.2016	Infra-II	Additional 1x5 MVA
5	Dahigaon	Yawal	Jalgaon	5.00	30.11.2016	Infra-II	Additional 1x5 MVA
6	Vivara	Raver	Jalgaon	5.00	30.11.2016	Infra-II	Additional 1x5 MVA
7	Kurwel	Chopda	Jalgaon	5.00	14.11.2016	Infra-II	Additional 1x5 MVA
8	33/11 KV SawaiMukti	Shindkheda	Dhule	5.00	06.08.2016	Infra-II	Additional 1x5 MVA
9	33/11 KV Lamkani S/Stn	Dhule	Dhule	5.00	05.07.2016	Infra-II	Additional 1x5 MVA
10	Borad	Taloda	Nandurbar	5.00	23.02.2017	Infra-II	Additional 1x5 MVA
11	Dhadgaon	Dhadgaon	Nandurbar	5.00	31.03.2017	Infra-II	Additional 1x5 MVA
			Total	55.00	MVA		
	<u>SUB TOTAL OF WESTERN MAHARASHTRA REGION</u>			328.15	MVA		

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
	<u>VIDARBH REGION:-</u>						
	<u>AMRAVATI ZONE</u>						
1	33/11 KV Anjansighi	Dhamangaon	Amravati	5.00	27.12.2016	Maintenance	Additional 1x5 MVA
2	33/11 kv Dhamangaon Old	Dhamangaon	Amravati	5.00	27.12.2016	Maintenance	Additional 1x5 MVA
3	33/11 kv Chandur Rly	Chandur Rly	Amravati	5.00	27.12.2016	Maintenance	Additional 1x5 MVA
4	33/11 kv Rajura Bazar	Warud	Amravati	5.00	17.02.2016	Maintenance	Additional 1x5 MVA
5	33/11 kv Jawala	Morshi	Amravati	5.00	17.02.2016	Maintenance	Additional 1x5 MVA
6	33/11 kv Asegaon	Chandur Bazar	Amravati	5.00	11.11.2016	infra-II	Additional 1x5 MVA
7	33 /11 kv Asadpur	Achalpur	Amravati	5.00	26.08.2016	infra-II	Additional 1x5 MVA
8	33/11 kv Ashtegaon	Morshi	Amravati	5.00	17.02.2016	Maintenance	Additional 1x5 MVA
9	33/11 kv Sarfapur	Chandur Bazar	Amravati	3.15	16.12.2016	Maintenance	Additional 1x3.15 MVA
10	33/11 kv Asegaon	Chandur Bazar	Amravati	3.15	16.12.2016	Maintenance	Additional 1x3.15 MVA
11	33/11 Kv Lehgaon	Chandur Bazar	Amravati	3.15	17.02.2016	Maintenance	Additional 1x3.15 MVA
12	33 KV Vidyut Bhavan Yavatmal	Yavatmal	Yavatmal	10.00	01..05.2016	Infra-II	Additional 1x10 MVA
			Total	59.45	MVA		
	<u>AKOLA ZONE</u>						
1	Jitapur	Akot	Akola	5.00	21.09.16	Infra-II	Additional 1x5 MVA
2	Ruikhed	Akot	Akola	5.00	04.03.17	Infra-II	Additional 1x5 MVA
3	Panaj	Akot	Akola	10.00	18.03.17	Infra-II	Additional 1x10 MVA
4	Manatri	Telhara	Akola	5.00	02.02.17	Infra-II	Additional 1x5 MVA
5	Pole Factory	Washim	Washim	5.00	14.04.16	RAPDRP	Additional 1x5 MVA
6	Poha	Karanja	Washim	5.00	12.09.16	Infra-II	Additional 1x5 MVA
			Total	35.00	MVA		
	<u>NAGPUR ZONE</u>						
1	33/11 Kv Nagardhan	Ramtek	Nagpur	5.00	29.11.2016	Infra-II	Additional 1x5 MVA
2	33/11 KV Pachkhedi	Kuhi	Ngpur	5.00	01.06.2016	Infra-II	Additional 1x5 MVA
3	33/11 KV Mahadulla	Kamthee	Nagpur	10.00	10.02.2017	Infra-II	Additional 1x10 MVA
4	33/11 KV Khapa	Saoner	Nagpur	10.00	31.03.2017	Infra-II	Additional 2 x 5 MVA
5	33/11 KV Pohana	Hinganghat	Wardha	5.00	03.11.2016	Infra-II	Additional 1x5 MVA
			Total	35.00	MVA		
	<u>GONDIA ZONE</u>						
1	Jamb	Mohadi	Gondia	10.00	02.01.2017	Infra-II	Additional 1x10 MVA
2	Gobarwahi	Tumsar	Gondia	10.00	28.12.2016	Infra-II	Additional 1x10 MVA
3	Palandur	Lakhani	Gondia	5.00	14.11.2016	Infra-II	Additional 1x10 MVA
			Total	25.00	MVA		
	<u>CHANDRAPUR ZONE</u>						
	<u>SUB TOTAL OF VIDARBH REGION</u>			154.45	MVA		
	TOTAL FOR THE STATE			600.75	MVA		

ANNEXURE - 11

TRANSMISSION LINES (11 KV & ABOVE)

Line Volt in kV	No. of Ckts	Length in Ckt-Kms		
		As on	During	As on
		31.3.2016	2016-17	31.3.2017
Overhead Lines				
33 kV	1	39168.88	565.62	39734.50
	2	1290.58	1356.62	2647.20
22 kV	1	28771.76	351.83	29123.58
	2	655.53	7.69	663.23
11 kV	1	273817.12	7336.82	281153.94
	2	418.20	1.96	420.16
Underground Cables				
33 kV	1	800.76	180.67	981.42
22 kV	1	2842.92	431.58	3274.50
11 kV	1	3861.37	645.61	4506.98
Total		351627.11	10878.39	362505.51

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 31.3.2016	During 2016-2017	As on 31.3.2017		
1	REST OF MAHARASHTRA	Overhead Lines						
		33 kV	1	20096.96	-415.15	19681.81		
			2	979.70	1339.36	2319.06		
		22 kV	1	28771.76	351.83	29123.58		
			2	655.53	7.69	663.23		
		11 kV	1	125026.33	2459.53	127485.86		
			2	205.50	1.96	207.46		
		Underground Cables						
		33 kV	1	351.67	102.25	453.92		
		22 kV	1	2842.92	431.58	3274.50		
		11 kV	1	2683.25	532.01	3215.27		
		Total		181613.61	4811.06	186424.67		
		2	MARATHWADA	Overhead Lines				
33 kV	1			10038.35	526.90	10565.24		
	2			134.06	23.84	157.90		
22 kV	1			0.00	0.00	0.00		
	2			0.00	0.00	0.00		
11 kV	1			73655.93	1350.65	75006.58		
	2			77.21	0.00	77.21		
Underground Cables								
33 kV	1			62.58	1.00	63.58		
22 kV	1			0.00	0.00	0.00		
11 kV	1			143.97	2.88	146.85		
Total				84112.09	1905.27	86017.36		
3	VIDARBHA			Overhead Lines				
				33 kV	1	9033.58	453.87	9487.45
		2	176.82		-6.58	170.24		
		22 kV	1	0.00	0.00	0.00		
			2	0.00	0.00	0.00		
		11 kV	1	75134.86	3526.64	78661.50		
			2	135.49	0.00	135.49		
		Underground Cables						
		33 kV	1	386.51	77.41	463.92		
		22 kV	1	0.00	0.00	0.00		
		11 kV	1	1034.15	110.72	1144.87		
		Total		85901.41	4162.06	90063.48		

ANNEXURE - 13

DISTRIBUTION LINES (BELOW 11 kV) 2016-2017

Sr. No.	Region	Length in Ckt-kms		
		As on 31.3.2016	During 2016-2017	As on 31.3.2017
Overhead				
1	Rest of Maharashtra	299528.77	9637.90	309166.67
2	Marathwada	149076.17	2901.13	151977.30
3	Vidarbha	168484.87	9619.09	178103.96
	Total	617089.80	22158.12	639247.92
Underground				
1	Rest of Maharashtra	10339.02	983.57	11322.59
2	Marathwada	83.40	0.62	84.02
3	Vidarbha	1079.24	89.84	1169.08
	Total	11501.66	1074.03	12575.69
Total (OH+UG)				
1	Rest of Maharashtra	309867.78	10621.47	320489.25
2	Marathwada	149159.57	2901.75	152061.32
3	Vidarbha	169564.11	9708.93	179273.04
	Total	628591.46	23232.15	651823.61

ANNEXURE - 14

TRANSFORMATION CAPACITY IN SERVICE 2016-2017

Sr. No.	Region	TRANSFORMATION CAPACITY IN SERVICE (IN MVA)					
		As on 31.3.2016		During 2016-2017		As on 31.3.2017	
		Below 11 kV	11 kV & Above	Below 11 kV	11 kV & Above	Below 11 kV	11 kV & Above
1	Rest of Maharashtra	35065.75	16701.35	2323.87	1085.65	37389.62	17787.00
2	Marathwada	8978.72	5933.70	288.28	318.10	9267.00	6251.80
3	Vidarbha	8459.99	5935.45	1111.02	646.25	9571.01	6581.70
	Total	52504.46	28570.50	3723.17	2050.00	56227.63	30620.50

ANNEXURE 28

VILLAGES ELECTRIFIED DURING 2016-2017

100% village electrification has been achieved in Maharashtra State as on 31-03-1989. However as per revised definition of village electrification there are 41125 nos. of villages as per census 2011 and out of which 41014 nos. of villages have been electrified as on 31.03.17. There are 111 nos. of Villages are balance to be electrified as on Mar-17, out of which 54 villages are to be electrified by MSEDCL and balance 57 villages by MEDA.

ANNEXURE-29

SR. NO	NAME OF DISTRICT	Total No. of Villages as per census 2011	As on 31.03.2016		Achievement during the year 2016-2017 by MSEDCL		As on 31.03.2017		
			No. of villages electrified 'As on 31.3.2016	No. of Pumps Energised	No. of villages electrified during 2016-17	No. of Pumps Energised	No. of villages electrified'As on 31.3.2017	No. of Pumps Energised	% of places electrified
1	2		3	4	5	6	7	8	9
1	Palghar	895	892	16,600	2	625	894	17,225	99.89
2	Thane	797	797	4,752		731	797	5,483	100.00
3	Raigad	1898	1894	15,940		1223	1897	17,163	99.95
	KALYAN ZONE	3590	3583	37,292	2	2579	3588	39,871	99.94
4	Ratnagiri	1528	1528	15,671		1348	1528	17,019	100.00
5	Sindhudurg	741	741	20,923		1524	741	22,447	100.00
	KOKAN ZONE	2269	2269	36,594	0	2872	2269	39,466	100.00
6	Nasik	1920	1920	3,07,399		4287	1920	3,11,686	100.00
7	Ahmednagar	1586	1586	3,51,912		2849	1586	3,54,761	100.00
	NASIK ZONE	3506	3506	6,59,311	0	7136	3506	6,66,447	100.00
8	Dhule	678	678	87,526		2044	678	89,570	100.00
9	Nandurbar	930	885	48,105	11	1484	896	49,589	96.34
10	Jalgaon	1489	1487	1,92,359	2	1876	1489	1,94,235	100.00
	JALGAON ZONE	3097	3050	3,27,990	13	5404	3063	3,33,394	98.90
11	Pune	1885	1884	2,71,529		8671	1884	2,80,200	99.95
	PUNE ZONE	1885	1884	2,71,529	0	8671	1884	2,80,200	99.95
12	Satara	1774	1774	1,61,864		5409	1774	1,67,273	100.00
13	Solapur	1130	1130	3,41,641		4200	1130	3,45,841	100.00
	BARAMATI ZONE	2904	2904	5,03,505	0	9609	2904	5,13,114	100.00
14	Sangli	721	721	2,04,264		8121	721	2,12,385	100.00
15	Kolhapur	1188	1188	1,23,790		9186	1188	1,32,976	100.00
	KOLHAPUR ZONE	1909	1909	3,28,054	0	17307	1909	3,45,361	100.00
16	Aurangabad	1300	1300	2,12,091		3972	1300	2,16,063	100.00
17	Jalna	949	949	1,17,680		4110	949	1,21,790	100.00
	AURANGABAD ZONE	2249	2249	3,29,771	0	8082	2249	3,37,853	100.00
18.	Parbhani	819	819	89,385		3369	819	92,754	100.00
19.	Hingoli	667	667	68,663		2651	667	71,314	100.00
20.	Nanded	1537	1537	1,21,558		1671	1537	1,23,229	100.00
	NANDED ZONE	3023	3023	2,79,606	0	7691	3023	2,87,297	100.00
21.	Beed	1364	1364	1,63,531		1873	1364	1,65,404	100.00
22.	Osmanabad	718	718	1,42,842		1598	718	1,44,440	100.00
23.	Latur	925	925	1,19,672		2489	925	1,22,161	100.00
	LATUR ZONE	3007	3007	4,26,045	0	5960	3007	4,32,005	100.00
24.	Buldhana	1287	1283	1,44,903		6707	1287	1,51,610	100.00
25.	Akola	857	856	52,293	1	4220	857	56,513	100.00
26.	Washim	679	679	51,543		2493	679	54,036	100.00
	AKOLA ZONE	2823	2818	2,48,739	1	13420	2819	2,62,159	99.86
27.	Amravati	1584	1577	1,17,913		7077	1577	1,24,990	99.56
28.	Yeotmal	1834	1833	1,04,341		7236	1833	1,11,577	99.95
	AMRAVATI ZONE	3418	3410	2,22,254	0	14313	3410	2,36,567	99.77
29	Bhandara	772	772	36,536		3362	772	39,898	100.00
30	Gondia	887	887	22,480		3131	887	25,611	100.00
	GONDIA ZONE	1659	1659	59,016	0	6493	1659	65,509	100.00
31	Chandrapur	1472	1472	37,051		4104	1472	41,155	100.00
32	Gadchiroli	1688	1622	11,206		2773	1622	13,979	96.09
	CHANDRAPUR ZONE	3160	3094	48,257	0	6877	3094	55,134	97.91
33	Nagpur	1628	1626	84,490	2	4333	1628	88,823	100.00
34	Wardha	998	998	63,810		4775	998	68,585	100.00
	NAGPUR ZONE	2626	2624	1,48,300	2	9108	2626	1,57,408	100.00
	TOTAL FOR STATE	41125	40989	39,26,263	18	125522	41014	40,51,785	99.73

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LTD.

33 kV & 22 kV SUB-STATIONS IN MSEDCL LTD. AS ON 31.03.17

Sr. No.	Name of the District	33 kV & 22 kV s/s as on 31.03.16	Added during 2016-17	33 kV & 22 kV s/s as on 31.03.17
1	2	3	4	5=3+4
1.	Gr.Mumbai	23	3	26
2.	Thane	117	7	124
3.	Raigad	38	3	41
4.	Palghar	12	4	16
5.	Ratnagiri	45	1	46
6.	Sindhudurg	24	1	25
7	Nasik	191	7	198
8.	Dhule	63	4	67
9.	Nandurbar	45	2	47
10.	Jalgaon	137	8	145
11.	Ahmednagar	162	7	169
12.	Pune	279	34	313
13.	Satara	78	2	80
14.	Sangli	119	11	130
15.	Solapur	208	22	230
16.	Kolhapur	112	7	119
17.	Aurangabad	114	5	119
18.	Jalna	74	3	77
19.	Parbhani	73	0	73
20.	Hingoli	52	5	57
21.	Nanded	113	8	121
22.	Beed	139	8	147
23.	Osmanabad	90	4	94
24.	Latur	103	5	108
25.	Buldhana	93	4	97
26.	Akola	51	5	56
27.	Washim	38	5	43
28.	Amravati	79	5	84
29.	Yeotmal	90	8	98
30.	Nagpur	101	8	109
31.	Wardha	51	0	51
32.	Bhandara	32	4	36
33.	Gondia	28	0	28
34.	Chandrapur	53	5	58
35	Gadchiroli	25	0	25
TOTAL FOR STATE		3052	205	3257