



ANNUAL ADMINISTRATION REPORT



FY-2019-20

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EXECUTIVE SUMMARY OF AAR-2019-20

New Sub-stations & Switching Stations as on March-2020

Voltage Level	As on 31.03.2019	Added During 2019-20	As on 31.03.2020
33/11 KV Substion	3268	128	3396
33/22 KV Substion	49	3	52
22/11 KV Substion	178	1	179
33 KV Switching Station	4	0	4
22 KV Switching Station	220	6	226
11 KV Switching Station	8	0	8
Total	3727	138	3865

Total Power Transformer as on March-2020

Voltage Level	As on 31.03.2019		Added During 2019-20		As on 31.03.2020	
	Nos.	Capacity (In MVA)	Nos.	Capacity (In MVA)	Nos.	Capacity (In MVA)
33/11 KV	5607	30937	227	1360.40	5834	32297.40
33/22 KV	99	739	6	40	105	779
22/11 KV	312	3017	7	70	319	3087
Total	6018	34693	240	1470.40	6258	36163.40

Total Distribution Transformer as on March-2020

Voltage Level	As on 31.03.2019		Added During 2019-20		As on 31.03.2020	
	Nos.	Capacity (In MVA)	Nos.	Capacity (In MVA)	Nos.	Capacity (In MVA)
3 Ø 33/0.415 KV	20	5.86	0	0	20	5.86
3 Ø 22/0.415 KV	60146	12690	3254	522	63400	13212
3 Ø 11/0.415 KV	464220	45655	69087	2568	533307	48223
1 Ø 11/0.240 KV	90617	2016	572	5.73	91189	2022
Total	615003	60367	72913	3096.34	687916	63463



EXECUTIVE SUMMARY OF AAR-2019-20

Total Distribution Line network as on March-2020						
Voltage Level	As on 31.03.2019		Added During 2019-20		As on 31.03.2020	
	OH	UG	OH	UG	OH	UG
33 KV	45395	1241	1485	177	46880	1418
22 KV	30123	3873	632	261	30755	4134
11 KV	294295	4949	16992	597	311287	5546
415 V & Below	662753	13290	8983	528	671736	13818
Aerial Bunch Cable	950	--	649	--	1599	--
Total	1033516	23353	28741	1563	1062257	24916

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BRIEF PROGRESS OF VARIOUS SCHEMES

1. 33 kV and 22 kV lines and sub-stations commissioned during 2019-20

During the year 2019-2020 the M. S. E. D C. Ltd. Commissioned 132 new (33/11kV, 33/22 KV & 22/11 kV) Sub-Stations and 6 Nos of new 22/22 kV, 11/11 kV Switching Stations. The transformer capacities have also been augmented at 19 Nos. existing 33, 22 kV Sub-Stations during the year under system improvement scheme, IPDS, Backlog & Infrastructure Plan Project.

Sr.No.	Particulars	Achievement During 2019-20
1	Capacity added in S/Stn. 33/11 kV, 33/22 kV and 22/11 kV	915 MVA
2	Sub-transmission lines energized 33 kV, 22 kV	2555.98 Ckt-km

2. System Improvement Schemes:

In order to reduce the distribution losses 138 nos. of new substations are added during year 2019-20. Further to reduce the commercial losses, the I.R meters were installed in place of electro mechanical meters and for faulty meters replacement.

3. Integrated Power Development Scheme (IPDS-)

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

Objectives of IPDS:

- a. 24 X 7 Hrs Power supply for consumers.
- b. Strengthening of electrical distribution network.
- c. Reduction of AT&C Losses.

Components of IPDS:

- a. The existing scheme of R-APDRP is subsumed in this new IPDS scheme.
- b. The projects under the scheme is formulated for urban areas (statutory towns) having population more than 15000 as per census 2011.

The DPRs amounting to Rs.3175.15 Crores of Maharashtra state were submitted to the Nodal Agency, PFC. The DPRs have been prepared as per the guidelines of IPDS & in consultation with local MPs. Letters from MP's regarding preparation of DPRs 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.

M/s Alia Consultancy solutions has been appointed as a PMA for assistance to MSEDCL for timely completion of the project. GOI has sanctioned an amount of Rs 11.50 Crs(ie 0.5 % of the Project Cost) for PMA . GOI has accorded approval for IPDS Scheme on 29.01.2016 and MERC has accorded the in-principle approval for IPDS Scheme on 10.02.2016

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

The details of tenders floated and LOA awarded is as below:

Tender Status	Part I			Part II			Total		
	Count	Tender Amount (In Crs)	LOA Amount (In Crs)	Count	Tender Amount (In Crs)	LOA Amount (In Crs)	Count	Tender Amount (In Crs)	LOA Amount (In Crs)
LOAs Issued	43	872	864	47	1392	1438	90	2264	2302

Works covered under IPDS in MSEDCL: (Achievement as on March 2020)

Particulars	Scope	Achievement upto March 20	% Achievement	WIP
New Substation (Nos.)	125	103	82	17
Augmentation of PTF (Nos.)	72	59	82	3
Additional Power Transformer (Nos.)	36	27	75	4
HT + LT Line (OH+UG) (Kms.)	9906	6282	63	328
New DTC (Nos.)	5215	4254	82	342
Augmentation of DTC (Nos.)	4225	3852	91	90

The Expenditure of IPDS scheme as on 31.03.2020 is Rs 1557 Crs

3.1 IPDS IT Phase-II: IT enablement scheme

124 towns with population more than 15000 selected for implementation of IT – Phase II. The works under the scheme include supply and installation of IT Infra material at Towns, DC (Data Centre) and DR (Data recovery centre) up gradation.

The sanctioned cost of the scheme is Rs 94.79 Crs against the DPR cost of Rs 134.56 Crs

The following works are included under the scheme

- IT infra material in all 124 towns
- GIS Mapping of HT lines and DTC
- Installation of Feeder Meters, Boundary Meters and Meters to HT consumers and modems at these locations
- Up gradation of DC (Data Centre) and DR (Data recovery centre)

Current status of the scheme

LOA for all the activities are awarded.

The installation of IT Infra Material in all 124 towns completed and balance work is in progress

IT Phase II Scheme is targeted to be completed by 30.06.2020

3.2 ERP (Enterprise Resource Planning):

- The sanctioned cost of the scheme is Rs 40.86 Crs. LOA awarded for work is in progress.
- The works sanctioned are targeted to be completed by 06.08.2020

3.3 Real Time Data Acquisition System (RT-DAS)

Brief Scope of work:

- Supply and installation of additional hardware (such as FRTU and associated hardware, software) in non-SCADA towns of R-APDRP, IPDS along with central SAIDI/SAIFI system at Data center (Union Territory & towns operated by private DISCOMs or distribution franchisee are excluded)

- Preparation of Feeder Town S/S, DISCOM & STATE wise SAIFI /SAIDI measurement system. Consumer database linking with existing GIS Application, access to IT Infra to be provided by Utilities.

Current status: The DPR for RT-DAS - SAIFI/SAIDI MEASUREMENT SYSTEM under IPDS (non-SCADA) Towns amounting to Rs 26.02 Crs is sanctioned by PFC on 28.02.2019. Tenderisation is in process

3.4 Smart Metering System

Detail of sanction:

No of towns covered	No of consumers proposed for smart metering solution	Capex (RsCrs)	Opex (RsCrs)	Total project cost (RsCrs)	Sanctioned cost by MoP @ Rs 2000 per node (RsCrs)
10	4 ,00,000	146.92	19.24	166.16	80.00

Status & progress of Smart metering System sanctioned under IPDS

60% (85% for special category states) is admissible only for CAPEX portion (i.e. Cost of smart meters, head end system and communication equipment) limited to a maximum of Rs.2000/- per node under IPDS.

Current status:Tenderisation is in process.

4. Non-Conventional Sources of Energy:

CONSERVATION OF ENERGY

Use of Non-conventional Sources of energy to meet the RPO target as set by Maharashtra Electricity Regulatory Commission (MERC)

4.1 Wind Energy projects:

The total contracted capacity of wind power projects selling power to MSEDCL through long term EPA as on 31.03.2020 is 3814 MW, out of which the projects commissioned in the F.Y. 2019-20 is 274.4 MW. The wind power projects are situated mainly in the following Districts. Satara, Sangli, Ahmednagar, Dhule, Nandurbar, Osmanabad, Nashik, Beed, Pune, Amravati, Sindhudurg, Kolhapur. Most of these wind power projects have been developed by private investors.Out of 3814 MW of total contracted capacity, the commissioned capacity of wind power projects is 3095 MW.

4.2 Co-generation 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 2418 MW as on 31.03.2020 out of which the projects commissioned in the F.Y. 2019-20 is 67.5 MW. The total commissioned capacity as on 31.03.2020 is 2301 MW.

4.3 Biomass IPP Projects:

MSEDCL has executed EPA with installed capacity to the tune of 228 MW as on 31.03.2020. The installed capacity in operation for sale to MSEDCL upto 31.03.2020 is 174 MW.

4.4 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 31.03.2020 is 132.33 MW. The total commissioned capacity as on 31.03.2019 is 125.68 MW.

4.5 Solar Projects:

MSEDCL has executed long term EPAs with Solar Power Project Developers under various schemes of GoI, MSPGCL and selected through competitive bidding process for total capacity of 4052 MW for meeting solar RPO target as on FY 2019-20.

Out of 4052 MW contracted capacity; MSEDCL has contracted 1010 MW solar power with solar power generators selected through Competitive bidding process (Reverse Auction) on long term basis during FY 2019-20. The total commissioned capacity as on 31.03.2020 is 2272 MW.

In the above-mentioned capacity, MSEDCL has contracted 874 MW solar capacities under Mukhyamantri Saur KrishiVahiniYojana, out of which, 169 MW solar capacity is commissioned till the date.}

5. RURAL ELECTRIFICATION 2019-20:

5.1 Village Electrification:

- As on Mar 2018, there are total 41,928 villages in Maharashtra.
- Out of these villages MSEDCL has electrified 41618 nos. of villages by conventional method.
- And 305 nos. of villages electrified non-conventionally by MEDA.
- 5 Villages from Amravati District are re-habitated and hence need to be deleted from scope.
- Therefore, all villages electrified in Maharashtra.

5.2 Energization of Agricultural Pumps:

The company has energized 96327 agricultural pumpsets during the year 2019-20. With the implementation of this programme, total pumpsets energized in the State are **4,322,671** up to Mar-2020.

5.3 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.

5.4 DPDC (District Planning and Development Committee):

a) NON-TRIBAL (GENERAL):

Under this scheme, residential connections, Ag. Connections, PWW, Industrial connections are released. For FY 2019-20, Rs. 223.79 Crs. received for MSEDCL. As on Mar 2020, progress is 6138 domestic connections and 1979 street light connections are released & 2 wadi-pada's electrified. Total expenditure incurred under this scheme is Rs. 69.47 Crs.

b) SPECIAL COMPONENT PLAN:

Under this scheme, residential connections & Ag. Connections to Scheduled Caste & Nav-Buddha beneficiaries are released & street light connections in dalitbasti are the main works carried out under this plan. FY 2019-20, Rs. 80.30 Crs. received to MSEDCL. As on Mar 2020, progress is - 107 Ag Pump connections & 819 Domestic connections to SC & NB beneficiaries and 479 street light Connections in Dalit Basties are released. Total expenditure incurred under this scheme is Rs. 31.07 Crs.

c) TRIBAL SUB PLAN:

The scheme is executed in area notified as Tribal Sub-Plan (TSP) area as well as other than Tribal Sub Plan (OTSP) area. In this scheme, Ag pump energization, domestic connection in these notified area and electrification of wadi /pada is carried out. For FY 2019-20, Rs. 39.84 Crs received for TSP & Rs. 5.00 Crs. received for OTSP.

Under TSP scheme, as on Mar 2020 progress is - 261 Domestic connections, 26 Ag connections are released & 11 wadipada electrified & expenditure incurred is Rs. 31.40 Crs.

Under OTSP scheme, as on Mar 2020 progress is - 26 Ag. Pump energization, 231 Domestic connections are released & 1 wadipada electrification expenditure incurred is Rs. 2.09 Crs.

For above mentioned schemes, balance work is under process.

5.5 Backlog Scheme:

The Backlog & Indicator Committee set up by Govt. of Maharashtra worked out Backlog for energisation of Ag. Pump Sets in March 1996. The Indicator & Backlog Committee in March 1996, identified 18 district of Maharashtra as backlog district for Ag pump energisation. Earlier, work of energisation of Ag. Pumps (thereby removing Ag. Backlog) in Backlog notified districts were carried out by MSEB by taking loan from Funding Agency. To expedite the work of Ag. Pump energisation in Backlog districts, GoM started allocating funds under Backlog Removal Scheme to MSEDCL from FY-2005-06.

Ag pumps energisation in backlog districts is carried out along with other related work such as HT Line, LT line & DTC erection. Only Ratnagiri District is balance for backlog removal. Ag connections released under this scheme is 427 nos. up to Mar-20.

5.6 Special Package Scheme for Vidarbha&Marathwada:

The GoM has sanctioned outlay of Rs. 819 crs for energisation of Ag. pumps in Vidarbha&Marathwada under the special package-I scheme in FY 2015-16 . The GoM has set the target of energising the Ag pumps in Vidarbha&Marathwada to bridge the huge gap of Ag paid pending within the state. Under Special Package-I scheme no. of Ag connections released up to Mar-19 is 95167 nos. similarly for providing Ag connections to 94462 Ag paid pending consumers GoM has sanctioned outlay of Rs. 916.20 Crs. in FY 2016-17 out of which fund of Rs. 420.72 Crs. has received from GoM. Under Special Package-II scheme no. of Ag connections released up to Mar-20 is 66942 nos.

5.7 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) VimuktaJatis and (5) NavBuddhists. During 2019-2020 a total of 8095 such connections have been released, out of which 5675 pertains to Scheduled Castes and Nav Buddhists. So far a total of 18,26,489 connections have been released to these five categories, out of which 1,040,671 pertains to Scheduled Castes and Nav Buddhists.

5.8 Shet-tale (East Vidarbha Scheme):

Bhandara, Chandrapur, Gadchiroli, Gondia& Nagpur districts are situated in remote areas and having Naxalite activities. During the year 2014-15 and 2015-16 MSEDCL has released 25063 and 19878 nos. of Ag connections to farmers respectively. In these areas from last two three years there were no works done of infrastructure renovation and strengthening and all the Ag connections released on existing network. The Loading on existing network increased due to increased Ag connection hence these areas facing the power failure problems frequently. To overcome these problems there were a need of proper development of additional infrastructure to cater these additional loads of Ag pumps.

In view of this GoM has sanctioned the East Vidarbha scheme of Rs. 750 Crs. Including Rs. 350 Crs. for strengthening of infrastructure and Rs. 400 Crs. for renovation and modernization of system. GoM released the fund of Rs. 350 crs vide GR no. Sankirna-2016/Pra.Kra. 431/Urja-5 dt: 27.02.2017. The expenditure incurred under this scheme is Rs. 138.84 Crs. up to Mar-20.

5.9 Washim Barrages:

Hon. Energy Minister, Govt. of Maharashtra had conveyed the review meeting of Washim District at Mumbai on dt. 27.11.2016 and at Washim on dt. 16.01.2016. During the meeting the Hon. Energy Minister addressed the issues of overloading of existing EHV substation, low voltage problem and instructed to explore all the possibilities of establishment of additional infrastructure required considering the future load growth in Washim District.

In Washim district, there are about 47379 nos. of Ag consumers existing as on 31.3.2016. Also there are 9410 nos of ag paid pending as on mar-16. In addition, Minor Irrigation Department issued the permission for 12161 nos of beneficiaries by which the Ag demand will increase by about 80.05 MVA in future. Mainly, Barrages on Painganga river and Adol irrigation project will majorly contribute for Ag load growth in Washim district. As such, to meet out the load growth 10 nos of 33 kv substations Atkali, Kokalgaon, Ganeshpur, Ukalipen, Dhilli, Giroli, Sattarsawangi (Dhamni), Naregaon, WaraJahagir, Dhodap, Anai, Manoli and Malgulzanak except proposed in various ongoing scheme such as Infra-II, DDUGJY, IPDS, PSI and Addl. Infra so as to provide quality power supply in the area and strengthening of the system in Washim District. The overall cost of the DPR is 95.05 Crs. Cheque of Rs. 35 Crs. received from Irrigation Department.

6 DeenDayalUpadhyay Gram JyotiYojana :

Govt. of India launched DeenDayalUpadhyay Gram JyotiYojana (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 SansadAdarsh Gram Yojana (SAGY).

Provision of funds : 60% Grant Central Government.
10% Utility/ State Government
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.	SansadAdarsh Gram Yojana	30.44
Total Project Cost (DPR)		2164.15

Scope of work & achievement as on 31.03.2020:

Sr.No	Particulars	Unit	Scope	Achievement as on 31.03.2020
1	New Substations	Nos.	210	192
2	Augmentation/ Additional Power Transformer	Nos.	150	128
		Nos.		
3	HT Line	kM	16356	12671
4	LT Line	kM	5695	3946
5	Distribution Transformer	Nos	9317	6941

7 Electric Vehicle Charging Station:

- Government of India notified the National mobility mission 2020 in 2013. Similarly, Govt. of Maharashtra has published independent Maharashtra Electric Vehicle Policy 2018.
- GoM has designated MSEDCL as state nodal agency for rollout mechanism for Public EV charging station as per GR dtd21.02.2019.

Objective of Policy:

1. Faster adoption of electric vehicles in India.
 2. To promote affordable tariff chargeable from EV owners
 3. Maharashtra should be upfront at increase in manufacture and use of electric vehicle
 4. Registration EV in Maharashtra up to 5 lakh
- With the increasing use of Electric Vehicle, Charging Stations are required to be installed at various locations. As per notification of GoI, MSEDCL has decided to install 500 nos. of EV charging station at different locations such as various offices, substations where sufficient spare land is available in area.
 - On pilot basis 2 nos of EV charging station are commissioned at Nagpur & Pune in the month of June-18.
 - MSEDCL has planned 500 Electric vehicle charging station in phase wise manner -
 - **Phase-I** :- Considering rapid change in technology & present penetration of EV 10 nos of charging station (DC Fast charger of 15 kw) has been commissioned in the cities Thane (5), Navi Mumbai(2) & Pune(3) .
 - **Phase-II** :- EVCS 40 nos in the cities Nagpur, Nashik, Aurangabad, Thane, Navi Mumbai & Pune .
 - **Phase-III** :- EVCS 450 Nos to scale up the charging stations across the state of Maharashtra depends on the penetration of EV on roads.
 - Development of Mobile application is under progress. Digital Features (Mobile App) of set up a centralized information Centre which provides real time information of charging stations along with geo-coordinates to e-vehicle owners and payment facility.

- Proposed EV Charging Stations are Fast DC charging station which requires duration between 45min to 1Hrs for charging of Electric Vehicle.
- Tariff for EV charging station is fixed at Rs. 5.50 per unit and discounted rate of Rs. 1.5 per unit during 22:00 hrs. to 06:00 hrs along with applicability of same tariff according to the location of EV charging station. (MERC order Case No. 322 of 2019 dt 30.03.2020)

8 MUKHYAMANTRI SAUR KRUSHI PUMP YOJANA (MSKPY) :

In order to facilitate day time irrigation to the farmers & to promote use of renewable source of energy, the Govt. of Maharashtra has launched the ambitious scheme called 'Mukhyamantri Saur Krushi Pump Yojana' (MSKPY) decided to install 1,00,000 nos. of Off-Grid Solar Photovoltaic Water Pumping Systems for agriculture use in phase wise manner for next 03 years as under:

- i) Phase I – 25,000 (2018-19)
- ii) Phase II – 50,000 (2019-20)
- iii) Phase III – 25,000 (2020-21)

- **Government Resolution:**

In order to implement the project, the Govt. resolution is issued by Industry, Energy and Labour Department, GoM vide G.R. No. Solar Project-2018/ C. No. 401/ energy-7 Dt. 15.11.2018.

The modification has been issued vide Govt. Resolution no. Solar Project-2018/ C. No. 4018/ Energy-7 Dt. 01.01.2019

The Govt. of Maharashtra vide G.R. No. Solar Project-2019/ C. No. 159/ energy-7 Dt. 11.09.2019 declared to implement Mukhyamantri Saur Krushi Pump Yojana (MSKPY) Phase-II & III together to install 75,000 Off-Grid 3 HP, 5 HP & 7.5 HP Solar Photovoltaic Water Pumping Systems in the ratio 70:20:10.

- MSEDCL is the implementing agency for the scheme and SE (O&M) Circle is the authority to sanction the pump for eligible beneficiaries.

- Category wise allotted quantity for MSKPY as per GR is as under:

Sr. No.	Category	Quantity
1	General category	78,849
2	Schedule Caste	11,811
3	Schedule Tribe	9,340
Total		1,00,000

- **Facility provided to farmer by MSEDCL :**

- Web portal www.mahadiscom.in/solar is started from 16 Jan. 2019.
- On-line application facility for MSKPY scheme to new and existing paid pending consumer.
- Freedom to farmer to select empanelled vendor.
- Tracking & monitoring of application status possible to applicant.
- SMS is given at every stage of application process till it commissioned.

Funding Arrangement:

Phase	Beneficiary Share (Cr.)	Govt. Share (Cr.)	TOSE (Cr.)	Total (Cr.)
Phase-I	40.66	127.23	286.82	454.71
Phase-II & III	134.23	419.94	946.87	1501.04
Total	174.89	547.17	1233.69	1955.75

- **Benefits to Farmers:**

- Day time Solar power to agriculture pump
- No Electrical network hence no interruption due to breakdown/ transformer failure etc.
- No electricity bills to farmers
- Will help to increase crop yield and farmers income

- **Benefits to MSEDCL :**

- No maintenance cost

- b) Environment friendly operation
- c) Minimize cross subsidy burden on Commercial & Industrial electricity consumers
- d) Helpful to meet out renewable power obligation (RPO)

- **Benefits to Government :**

- a) Bringing more farm land under irrigation
- b) Decouple irrigation sector from power subsidy burden

- **Beneficiary Contribution:**

To participate in the scheme, the beneficiary has to pay contribution as follows:

Category	3 HP DC Solar Pump Set	5 HP DC Solar Pump Set
Open Category (10% of Pump rate) *	16,560	24,710
SC / ST Category (5% of Pump rate) *	8,280	12,355

- * For existing Ag paid pending consumer, the previous paid amount will be accounted for beneficiary contribution.

- **Beneficiary Selection Criteria:**

- a) Farmers having farmland with assured source of water like River.
- b) Farmers should not have conventional electricity connection.
- c) Farmers which are not electrified through any scheme previously.

- **Priority for Section of Beneficiary:**

- a) Farmers from Remote & Tribal area.
- b) Beneficiary Farmers of "DHADAK SINCHAN YOJANA".
- c) Farmers from villages which are not electrified yet due to NOC from forest Dept.
- d) Paid pending consumer, applied for new electricity connection for agriculture pump

- **Policy for Pump Capacity:**

Farmer having farmland up to 5 acre is eligible for 3 HP DC Pumping System & Farmer having farmland above 5 acre is eligible for 5 HP DC Pumping System.

- **Application Process for Solar Pump:**

- a) Apply online on MSEDCL's Solar Web-Portal
- b) Paid pending consumer applicant has to submit online application only with important details such as application no., money receipt, sanction no. and pump capacity.
- c) For new applicant (those who have not applied for conventional agriculture connection) has to submit the online application along with all mandatory fields.
- d) Fill & Submit complete information on A-1 form and upload copy of following documents
 - i. 7/12 Utara copy
 - ii. Aadhar Card
 - iii. Cast certificate (for SC/ST beneficiary)
- e) If there is any discrepancy observed, applicant will be informed accordingly by SMS.
- f) On the basis of information & document submitted by applicant, concern Superintending Engineer of Circle Office will sanctioned the application. Accordingly the demand note for beneficiary contribution will be issued.
- g) Applicant has to pay beneficiary contribution (through online mode/ offline mode at subdivision office) as per quotation issued. After payment the applicant can select any one of vendor from empanelled vendor list.
- h) After selection of vendor by beneficiary, the work order will be issued to said vendor by concern Superintending Engineer of Circle.
- i) The respective vendor will inspect the site jointly along with MSEDCL representative & farmer.
- j) The joint survey report will be uploaded on portal by respective vendor for approval of concern Superintending Engineer of Circle.
- k) Superintending Engineer of Circle will scrutinize the joint survey report and approve the same if the site is found feasible.
- l) After approval of joint survey report the respective vendor will install the solar agriculture pump of sanctioned capacity at concerned beneficiary's farm.
- m) After installation of solar agriculture pump the same will be handed over to respective beneficiary.
- n) If there is any complaint of installed solar agriculture pump, the beneficiary can lodge their complaint on MSDECL's Customer Care Toll free number.
- o) At every stage applicant will be informed by SMS.

- **Implementation of MSKPY :**

- Under Phase-I, Letter of Empanelment (LoE) are issued to vendors on dtd. 07.03.2019 for installation of 25,000 Solar AG pump of 3 HP & 5 HP capacity. Revenue Division wise & Capacity wise four vendors are empanelled.
- Under Phase-II & III, Letter of Empanelment (LoE) are issued to vendors on dtd. 18.09.2019 for installation of 67,500 Nos. of solar pumps of 3 HP & 5 HP capacity. Further, it is decided to add more agencies for empanelment for Phase-II & III to speed up and complete the scheme within stipulated time. Accordingly, LoE are issued to additional vendor in the month of November-2019 & January-2020. Revenue Division wise vendors are empanelled.
- Tender for installation of 7,500 Nos. of solar pumps of 7.5 HP capacity is floated. Tender process is in progress. Price bid is opened.

- **Total Progress of MSKPY Phase-I, II & III as on dtd. 23.05.2020-**

Phase	Pump Quota	Application Received	Application Rejected	Application Approved & Quotation Issued	Quotation Paid	Vendor Selection	Pump Installed	% Pump Installed
Phase-I	25000	25000	0	25000	25000	25000	25000	100%
Phase-II & Phase-III	67500	172898	71553	73213	36083	34855	8161	23%
	7500	-	-	-	-	-	-	-
Total	100000	197898	71553	98213	61083	59855	33161	54%

9 PradhanMantriKisanUrjaSurakshaevemUttanMahabhiyan (PM-KUSUM) :

As a part of Intended Nationally Determined Contributions (INDCs), India has committed to increase the share of installed capacity of electric power from non-fossil-fuel sources to 40% by 2030. For this requirement Govt of India launched PM-KUSUM (PradhanMantriKisanUrjaSurakshaevemUttanMahabhiyan) Scheme.

This new Scheme has provision for the decentralised renewable energy plants, Solar agriculture water pumps and solarisation of existing Grid connected Agriculture pumps.

Accordingly, PM-KUSUM scheme has following components:

- **Component A:** Setting up of 10,000 MW of Decentralized Ground/Stilt Mounted Grid Connected Solar or other Renewable Energy based Power Plants
- **Component B:** Installation of 17.50 Lakh Stand-alone Solar Pumps

- **Component C:** Solarisation of 10 Lakh Grid Connected Agriculture Pumps
Component C Scheme Objective:

Under this Component, individual farmer having grid connected agriculture pump will be supported to solarise pump. Solar PV capacity up to two times of pump capacity in kW is allowed under the scheme, so that the farmer will be able to use the generated solar power to meet the irrigation needs and get additional income by selling surplus solar power to DISCOMs. Water User Associations and community/cluster-based irrigation system will also be covered under this component.

MSEDCL has sanction of solarization 9000 no of grid connected agricultural pumps under component C. Tender is under process.

Benefits of scheme to Farmers, State Govt and Discom as follows:

Farmers benefits PM-KUSUM C:

- Day time quality energy supply to farmers.
- Additional income source to farmers by injecting surplus produced energy to grid.
- Free from electricity bills.
- Additional income source to farmers by injecting surplus produced energy to grid.

Govt of Maharashtra benefits PM-KUSUM C:

- Reduction in subsidy burden
- Carbon footprint reduction.
- Increase in agricultural production.

Mahavitrans benefits PM-KUSUM C:

- Reduction in T&D losses.
- Benefit in RPO obligation
- Cross subsidy benefit in Ag

Operation of PM-KUSUM -C:

Net-metering: In this case the agriculture pump will continue to run at rated capacity taking power from solar panels and balance power from grid, if required, and in case solar power generation is higher than required by pump, the additional solar power would be fed to the grid. Farmer would be able to import and export power to the grid at the rate specified by the Mahavitaran.

Feeder-wise implementation is to be carried out under this component for solarisation of grid-connected agricultural pumps. Feeders will be selected on the basis of load, technical and commercial losses, number of consumers, etc.

Solar PV capacity should be restricted to 1.5 times of pump capacity. MSEDCL is going to select 1.25 ratio.

CFA will be provided for solarisation of pumps up to 7.5 HP.

Funding arrangements:

- State Govt. shall fund 30% of the total funding in form of subsidy.
- CFA of 30% of the benchmark cost or the tender cost, whichever is lower.
- Farmer Contribution: 40% (Through Loan -30% ; Upfront : 10%)

10 National Cyclone Risk Mitigation Project

- NCRMP is a Government of India Project is funded by World Bank.
- Relief & Rehabilitation (R&R) Department, GOM is the State Project Implementing Unit (SPIU) for Maharashtra. NCRMP unit is set up under R&R Department.
- World Bank is providing Rs. 200 Crores grant for implementation of this project.
- Government of Maharashtra is the State Project Implementing Agency (SPIU).
- This project is being implemented under MSEDCL supervision.

Objective:

- To reduce the vulnerability of coastal communities across India to cyclones and other hydro-meteorological hazards.
- NCRMP is to mitigate the effects of cyclone & other hazards in coastal areas. Conversion of Overhead network to Underground.

Scope of work

- 22 kV GIS Switching Station at Alibag.
- 33kV, 22kV, 11kV Network conversion of overhead line to underground.
- LT Network conversion to underground.
- Installation of New/Augmentation of Distribution Transformer.

Details of Project and Cities where the project is being implemented:

Particulars	Alibag	Ratnagiri	Saatpati
Tender Amount	Rs. 80 Cr.	Rs. 96 Cr.	Rs. 16 Cr.
Tender floating date	30.07.2018	30.01.2019	07.02.2019
Contractor Name	M/s. LeenaPowertech Engineers Pvt. Ltd.		
LoA Date	13.06.2019	06.09.2019	06.09.2019
Contract Value	Rs. 89.53 Cr.	Rs. 96.95 Cr.	Rs. 17.29 Cr.

Duration of Contract	1.5 Year	1.5 Year	1 Year
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Project Area Network Details:

Particulars	Alibag	Ratnagiri	Saatpati
Total area Coverage	7.9 sq km	50 sq km	2.86 sq km
Total No. of consumer	15548 Nos.	37336 Nos.	6399 Nos.
22 KV HT Network U/G Cable	27.665 km	---	---
33 KV HT Network U/G Cable	----	6.37 km	---
11 KV HT Network U/G Cable	----	42.34 km	14.2 km
LT Network U/G Cable	45.215 km	66.58 km	20.66 km
Distribution Transformer	115 Nos.	233 Nos.	34 Nos.

11 High Voltage Distribution System (HVDS):

In order to provide electricity connections to the farmers who have paid their firm quotations before 31-march-2018 the Govt. of Maharashtra has launched the ambitious scheme called 'High Voltage Distribution System' (HVDS). This scheme comprises of 224785 Ag paid pending connections and 226 No of capacity addition of substation through Maharashtra. After 31.03.2018 till the implementation of HVDS Scheme connections are released in various schemes. Hence reduced scope of the scheme is 158026 nos Agriculture connections.

- **Government Resolution:**

In order to implement the project, the Govt. resolution is issued by Industry, Energy and Labour Department, GoM vide G.R. No. HVDS-2018/C.No.30/energy-5 Dt.05.05.2018.

- **Benefits to Beneficiaries:**

- Reliable and quality power supply to the consumer end.
- Pilferage can be minimized by introducing this system.
- Consumers will feel ownership and take responsibility of DTs.
- Because of no LT network accidents will be reduced considerably.
- Failure will be minimal because of no over loading and no LT lines.
- In the event of equipment failure only limited number of customers will get affected instead of more no of consumers in LVDS system.
- Prevention of unauthorized loads is more effective.
- There is considerable reduction in the line losses and consequently there is savings in power.

- **Scheme cost:**

Maharashtra State Electricity Regulatory Commission (MERC) has in-principle approved the HVDS scheme for scheme cost of Rs. 5048.13 Crs.

- **Funding Arrangement:**

Vidarbha and Marathwada: Rs. 2248 Crs as grant from GoM by availing loan from Asian Development Bank.

Rest of Maharashtra: Loan of Rs. 2800 Crs from financial institutions.

- **Scope and Achievement of HVDS Works:**

Sr.No	Name of Circle	Freez Cons. Scope	Freez Scope of DT	DTC Commissioned	Connection released
1	Akola	4085	4,021	2,572	2,504
2	Washim	5046	4,398	2,703	2,793
3	Buldhana	6022	5,699	3,018	2,981
4	Amravati	4303	3,796	2,252	2,252
5	Yavatmal	6607	5,727	3,403	3,453
6	Chandrapur	2770	2,635	1,718	1,866
7	Gadchiroli	1499	1,466	1,357	1,370
8	Nagpur	3239	3,154	2,015	1,918
9	Wardha	1814	1,797	1,304	1,311
10	Nagpur	138	108	91	90
11	Bhandara	3591	2,812	1,624	1,732
12	Gondia	2215	1,807	1,669	1,714
Nagpur Region		41,329	37,420	23,726	23,984
13	Aurangabad	6,106	5,906	2,141	2,163
14	Jalna	8,172	6,642	2,578	2,664
15	Parbhani	3,963	3,482	2,263	2,298
16	Hingoli	4,994	3,533	2,598	2,824
17	Nanded	6,632	6,200	2,040	2,259
18	Beed	7,794	6,420	2,905	2,993
19	Latur	4,374	3,633	2,159	2,256
20	Osmanabad	6,933	5,521	1,844	1,894
Aurangabad Region		48,968	41,337	18,528	19,351
20	Sangali	8,569	8,172	3,222	3,138
21	Kolhapur	4,351	4,237	1,790	1,793
22	Satara	9,482	8,530	4,227	4,335
23	Baramati	4,905	4,846	3,424	3,488
24	Solapur	8,990	7,980	4,356	4,400
25	Pune	1,394	1,375	889	804
Pune Region		37,691	35,140	17,908	17,958
26	Kalyan-II	122	79	22	23
27	Palghar	134	134	101	101
28	Vasai	38	38	16	16

29	Pen	146	146	98	98
30	Ratnagiri	361	538	108	124
31	Sindhudurg	717	529	28	33
32	Nasik	3,105	3,100	1,785	1,785
33	Malegaon	7,183	6,930	4,000	3,830
34	Ahmednagar	7,332	6,580	3,974	3,812
35	Jalgaon	4,962	4,852	2,124	2,157
36	Nandurbar	2,204	2,148	1,587	1,588
37	Dhule	3,734	3,691	819	829
Kokan Region		30,038	28,765	14,662	14,396
MSEDCL		158,026	1,42,662	74,824	75,689

- Scope and Achievement of HVDS Substation works for Vidarbha and Marathwada (Phase-A)

Sr. No.	Name of District	New Substation (Nos)			Additional Power Transformer (Nos)			Capacitor Bank/Link Line			S/s Land in possession
		Scope	WIP	Commissi- oned	Scope	WIP	Commissi- oned	Scope	WIP	Commissi- oned	
1	Akola	8	5	0	2	0	2	2	2	0	5
2	Washim	3	1	2	2	0	2	0	0	0	3
4	Amravati	3	3	0	1	1	0	0	0	0	3
5	Yavatmal	3	1	0	7	7	0	0	0	0	1
6	Chandrapur	6	4	0	0	0	0	0	0	0	4
7	Gadchiroli	5	3	0	0	0	0	0	0	0	3
8	Nagpur R	5	2	0	0	0	0	2	2	0	2
9	Wardha	5	4	0	0	0	0	0	0	0	4
11	Bhandara	1	1	0	0	0	0	1	1	0	1
12	Gondia	0	0	0	1	1	0	0	0	0	
Nagpur		39	24	2	13	9	4	5	5	0	26
13	Aurangabad	2	1	0	2	2	0	2	2	0	1
14	Jalna	5	5	0	0	0	0	0	0	0	5
16	Parbhani	1	1	0	4	4	0	1	1	0	1
17	Hingoli	2	2	0	1	1	0	3	3	0	2
18	Beed	5	2	0	3	3	0	0	0	0	2
19	Latur	3	2	0	0	0	0	2	2	0	2
20	Osmanabad	1	0	0	5	5	0	0	0	0	
Aurangabad		19	13	0	15	15	0	8	8	0	13
Vidharbha&Marathwada		58	37	2	28	24	4	13	13	0	39

- Scope and Achievement of HVDS Substation works for rest of Maharashtra (Phase-B):

ANNEXURE-3

33 KV and 22 KV Sub-Transmission Lines energised during 2019-20

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
	MARATHWADA REGION:-							
	Aurangabad Zone							
1	Tapping from 33 kv Nakshatrawadi	33 kv Waluj Mahanagar-IV (Golwadi)	Aurangabad	Aurangabad	1.00	0.00	0.20	28.04.2019
2	Tapping from 33 kv Chawani/Cantonment	33 kv Samadhan Colony S/S	Aurangabad	Aurangabad	0.00	0.00	1.50	17.05.2019
3	132 kv Harsool	33 kv N-10 (GIS)	Aurangabad	Aurangabad	0.00	0.00	2.69	15.10.2019
4	132 kv Chikalthana	33 kv STPI	Aurangabad	Aurangabad	0.00	0.00	2.19	14.01.2020
5	132 KV sillod	Mangrool TQ SILLOD	Aurangabad	Aurangabad	0.00	10.00	0.00	16.04.2019
6	132 KV Vaijapur	Bajathan Tq vaijapur	Aurangabad	Aurangabad	0.00	18.33	0.00	28.12.2019
7	33 KV Loni	Bhadali	Aurangabad	Aurangabad	0.00	15.00	0.00	28.01.2020
8	220 KV Deogaon Rangari	Takli	Aurangabad	Aurangabad	0.00	13.25	0.00	13.12.2019
9	33 KV TRALUSICS TAPPING	JOGESHWARI SS	Aurangabad	Aurangabad	0.00	0.50	0.00	01.01.2020
10	Gadana	Zari	Aurangabad	Aurangabad	0.00	17.00	0.00	04.05.2019
11	KAGJIPURA	KHULTABAD	Aurangabad	Aurangabad	0.00	7.60	0.00	22.01.2020
12	Tapping from 33kv dilhi gate feeder (220kv sawndi)	33/11kv jatwada	Aurangabad	Aurangabad	0.00	1.02	0.00	14.06.2019
13	33/11 kv sahati pimpalgave	33/11 kv Awdeunchegaov	Aurangabad	Aurangabad	0.00	7.00	0.00	4.05.2019
14	220 kv shendra	SEZ 33 KV	Aurangabad	Aurangabad	0.00	4.00	0.00	14.06.2019
15	33/11 kv paithan sub stn	33/11 kv pategaove sub stn	Aurangabad	Aurangabad	0.00	4.50	0.00	21.06.2019
16	132 kv Paithan	33/11 kv Isarwadi Sub stn	Aurangabad	Aurangabad	0.00	14.00	0.00	30.03.2020
17	tapped at balanagar phata on 33 kv bidkin	33/11 kv Khadgaon	Aurangabad	Aurangabad	0.00	12.00	0.00	07.12.2019
18	c	Soinjana	Jalna	Aurangabad	0.00	16.00	0.00	29.08.2019
19	220Kv Partur	Amba	Jalna	Aurangabad	0.00	5.25	0.00	05.09.2019
20	220Kv Bhokardan	Walsadawrgaon	Jalna	Aurangabad	0.00	15.00	0.00	06.09.2019
21	132Kv Partur	Karhala	Jalna	Aurangabad	0.00	24.00	0.00	11.09.2019
22	220Kv Bhokardan	Jomala	Jalna	Aurangabad	0.00	2.88	0.00	12.06.2019
23	132Kv D raja	Akoladev	Jalna	Aurangabad	0.00	20.00	0.00	19.12.2019
24	220Kv MIDC	Switching Station	Jalna	Aurangabad	0.00	2.50	0.00	18.12.2018
25	132KV Badnapur	Wakulni	Jalna	Aurangabad	0.00	12.00	0.00	20.09.2019
26	220Kv BHokardan	Shipora Bazar	Jalna	Aurangabad	0.00	12.00	0.00	02.02.2020
27	132 kv Jafrbad	Shipora Ambhora	Jalna	Aurangabad	0.00	15.00	0.00	07.12.2019
28	132KV Mantha	Devgaon Khawane	Jalna	Aurangabad	0.00	23.00	0.00	31.01.2020
			Total		1.00	271.83	6.58	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	33 kv Rakshasbhuavan	33 kv Umapur stn	Beed	Latur	0.00	6.80	0.00	28.10.2019
2	33kv jebapimpri	220 kv Stn Gavari	Beed	Latur	0.00	16.98	0.00	05.10.2019
3	33kv pangara	33 kv Doithan Stn	Beed	Latur	0.00	9.68	0.00	26.10.2019
4	Tapping on 33 kv Borsuri feeder at Hangarga Pati	New 33/11 kv Shirshi Hangarga Sub-Station	Latur	Latur	0.00	2.51	0.00	11.02.2020
5	Paranda	Pachpimpla	Osmanabad	Latur	0.00	10.00	0.00	21.07.2019
6	Niwali	Kond	Osmanabad	Latur	0.00	10.00	0.00	27.10.2019
7	Shiradhon	Awad shirpura	Osmanabad	Latur	0.00	8.00	0.00	18.08.2019
8	Jawala	Mankeshwar	Osmanabad	Latur	0.00	11.67	0.00	03.10.2019
9	Massa	Mandawa/Bavi	Osmanabad	Latur	0.00	4.12	0.00	19.01.2020
10	Paranda	Domgaon Rosa	Osmanabad	Latur	0.00	9.90	0.00	16.09.2019
11	Osmanabad	Deolali	Osmanabad	Latur	0.00	5.50	0.00	06.09.2019
12	Malumbra	Holi	Osmanabad	Latur	0.00	5.94	0.00	13.02.2019
13	Paranda	Paranda IPDS	Osmanabad	Latur	0.00	0.24	0.00	03.10.2019
14	Bhoom	Bhoom MIDC	Osmanabad	Latur	0.00	9.30	5.20	03.11.2019
			Total		0.00	110.64	5.20	CKT-KMS
Nanded Zone								
1	33 kvMalegaon	Kasarkheda	Nanded	Nanded	0.00	4	0.00	Nov-19
2	220 kv waghala	Karegaon	Nanded	Nanded	0.00	3.5	0.00	Jan-20
3	132 kandhar	Kandhar	Nanded	Nanded	0.00	3	0.00	Dec-19
4	132 kv mudkhed feeder tap	Kauthewadi	Nanded	Nanded	0.00	4	0.00	Oct-19
5	132 kandhar	Halda	Nanded	Nanded	0.00	3.5	0.00	Dec-19
6	33 KV O/H Line		Nanded	Nanded	0.00	269.7	0.00	-
7	33 KV U/G Cable		Nanded	Nanded	0.00	0	7.00	-
8	33 kv pathri solar line	132/33 KV PATHRI EHV S/s	Parbhani	Nanded	0.00	6.00	0.00	17.12.2019
9	33 kv CAPEX Line	33/11 MIDC s/s	Parbhani	Nanded	0.00	2.00	0.00	23.02.2020
10	33 kv New Rahati line	Rahti filtration plant	Parbhani	Nanded	0.00	2.50	0.00	20.03.2020
11	220 kv parbhani	ETCO	Parbhani	Nanded	0.00	1.00	0.00	20.03.2020
			Total		0.00	299.20	7.00	CKT-KMS
SUB TOTAL FOR MARATHWADA REGION								
					1.00	681.67	18.78	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	22.07	-
2	33 KV U/G Cable		Thane (Vashi)	Bhandup	0.00	0.00	15.00	-
3	22 KV U/G Cable		Thane (Vashi)	Bhandup	0.00	0.00	8.85	-
4	22 KV S/C Line		Raigad (Vashi)	Bhandup	0.00	24.06	0.00	-
5	22 KV U/G Cable		Thane (Bhiwandi)	Bhandup	0.00	0.00	46.92	-
6	22 KV S/C Line		Raigad (Pen)	Bhandup	0.00	27.68	0.00	-
7	22 KV U/G Cable		Raigad (Pen)	Bhandup	0.00	0.00	2.16	-
			Total		0.00	51.74	95.00	CKT-KMS
Pune Zone								
1	22 KV D/C Line		Pune (Ganeshkhind)	Pune	0.00	0.97	0.00	-
2	22 KV U/G Cable		Pune (Ganeshkhind)	Pune	0.00	0.00	44.46	-
3	33 KV S/C Line		Pune (Pune Rural)	Pune	0.00	1.80	0.00	-
4	22 KV S/C Line		Pune (Pune Rural)	Pune	0.00	73.09	0.00	-
5	22 KV U/G Cable		Pune (Pune Rural)	Pune	0.00	0.00	24.87	-
6	22 KV U/G Cable		Pune (Rastapeth)	Pune	0.00	0.00	40.22	-
			Total		0.00	75.86	109.55	CKT-KMS
Kolhapur Zone								
1	Wathar	Vadgaon	Kolhapur	Kolhapur	0.00	16.62	0.00	01.09.019
2	Jaysingpur	Danoli	Kolhapur	Kolhapur	0.00	20.00	0.00	01.11.2019
			Total		0.00	36.62	0.00	CKT-KMS
Baramati Zone								
1	Tap from 33KV Waterworks feeder	33/11KV Bhadalwadi S/stn	Pune	Baramati	0.00	1.6	0.00	04.03.2020
2	Tap to 33KV Wadachiwadi Feeder near EHV Satara Road Substation	33/22 KV Kinahi S/stn	Satara	Baramati	0.00	14.5	0.00	30.11.2019
3	Lilo at 33/11 KV Antroli	33/11 kv Wadapur	Solapur	Baramati	0.00	7	0.00	02.10.2019
4	Tap to 33 KV Huljanti feeder emanating from 132 KV Mangalwedha EHV s/stn	33/11 kv Talsangi	Solapur	Baramati	0.00	3.5	0.00	16.12.2019
5	132 Bhalwani (Nimboni)	33/11 kv Talsangi	Solapur	Baramati	0.00	8.5	0.00	16.12.2019
6	22 KV Line O/H		Pune	Baramati	0.00	169.29	0.00	31.03.2020
7	22 KV Line O/H		Satara	Baramati	0.00	197.47	0.00	31.03.2020
			Total		0.00	401.86	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
KONKAN ZONE								
1	Tap from 33KV Insuli feeder	33KV Majgaon Stn	Sindhudurg	Konkan	0.00	0.00	1.20	31.05.2019
2	Achara	Malvan	Sindhudurg	Konkan	0.00	23.31	0.00	30.09.2019
			Total		0.00	23.31	1.20	CKT-KMS
KALYAN ZONE								
1	22 KV U/G Cable		Thane (Kalyan-I)	Kalyan	0.00	0.00	15.88	-
2	22 KV O/H Line		Thane (Kalyan-II)	Kalyan	23.98	50.40	0.00	-
3	22 KV U/G Cable		Thane (Kalyan-II)	Kalyan	0.00	0.00	5.15	
4	22 KV U/G Cable		Palghar (Vasai)	Kalyan	0.00	47.97	50.06	-
5	33 KV O/H Line		Palghar (Palghar)	Kalyan	0.00	7.55	0.00	-
6	33 KV U/G Cable		Palghar (Palghar)	Kalyan	0.00	0.00	1.15	
7	22 KV O/H Line		Palghar (Palghar)	Kalyan	0.00	18.18	0.00	
			Total		23.98	124.10	72.24	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	Mehekari	Kapurwadi	Ahmednagar	Nashik	0.00	13.75	0.00	14.08.2019
2	Kapurwadi	Bolhegaon	Ahmednagar	Nashik	0.00	6.25	0.00	14.08.2019
3	132 KV MIDC	Bolhegaon	Ahmednagar	Nashik	0.00	2.00	0.00	10.05.2019
4	132 KV Babhulwada	33 KV Nighoj /s/stn	Ahmednagar	Nashik	0.00	14.00	0.00	13.12.2019
5	33 KV Nighoj	33 KV Jawala	Ahmednagar	Nashik	0.00	10.50	0.00	21.12.2019
6	132 KV Babhulwada	33 KV Alkuti	Ahmednagar	Nashik	0.00	15.50	0.00	13.12.2019
7	132 KV Babhulwada	33 KV Lonimawala Tap + Wadzire	Ahmednagar	Nashik	0.00	4.81	0.00	20.06.2019 & 07.12.2019
8	132 KV Babhulwada	33 KV Pimpalgaon Rotha+ Kanhur Tap(Pimpari Fata)	Ahmednagar	Nashik	0.00	14.70	0.00	02.02.2020
9	132 Ashti	33/11kv Jamkheds/s	Ahmednagar	Nashik	0.00	0.54	0.00	26.10.2019
10	132 Shrigonda	33/11kv Kashthis/s	Ahmednagar	Nashik	0.00	0.00	0.66	12.11.2019
11	132 / 33 / 11 KV Sangamner	33 / 11 KV Pokhari Haveli	Sangamner	Nashik	0.00	4.00	0.00	29.02.2020
12	132 / 33 Akole	33 / 11 KV Kumbhephal	Akole	Nashik	0.00	7.47	0.00	29.02.2020
13	33KV Kolhar	33/11KV Deolali substation	Ahmednagar	Nashik	0.00	1.50	0.00	01.05.2019
14	Kapurwadi	Kapurwadi	Ahmednagar	Nashik	0.00	0.00	0.80	14.08.2019
15	132 KV MIDC	Bolhegaon	Ahmednagar	Nashik	0.00	0.00	4.00	10.05.2019
16	Supa	F block	parner	Nashik	0.00	0.00	1.50	18.02.2020
			Total		0.00	95.02	6.96	CKT-KMS
<u>JALGAON ZONE</u>								
1	33/11 Savda KV S/Stn	33/11 kv Faizpur Substation	Jalgaon	Jalgaon	0.00	6.20	0.00	14.06.2019
2	132 KV khedi S/Sn KV S/Stn	33/11 Kv MIDC S/Stn	Jalgaon	Jalgaon	0.00	3.29	0.00	23.08.2019
3	220 KV Kekatnimbhora	33/11 KV Kekatnimbhora	Jalgaon	Jalgaon	0.00	4.20	0.00	19.10.2019
4	132 KV Dharangaon	33/11 KV Dahiwad	Jalgaon	Jalgaon	0.00	4.50	0.00	12.10.2019
5	From 132 KV Raver (Bunch with 33 KV Pal)	33/11 kv Baxipur Substation	Jalgaon	Jalgaon	0.00	3.29	0.00	23.01.2020
6	EHV 220/33 KV Substation Dondaicha	33/11 KV Dondaicha Tapisagar S/Stn at Dondaicha	Dhule	Jalgaon	0.00	0.60	0.00	11.05.2019
7	LILO on 33 KV Wadi Feeder at 33/11 KV Boradi at Boradi	33/11 KV Chakdu(Kolid) Substation	Dhule	Jalgaon	0.00	9.00	0.00	03.07.2019
8	132KV Visarwadi	33/11KV Bandharfali	Nandurbar	Jalgaon	0.00	38.00	0.00	25.10.2019
			Total		0.00	69.08	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
SUB TOTAL FOR WESTERN MAHARASHTRA REGION					23.98	877.59	284.95	CKT-KMS
	<u>VIDARBH REGION:-</u>							
	<u>NAGPUR ZONE</u>							
1	132 kv Mansar	33 kv ghotitok	Nagpur	Nagpur	0.00	21.80	0.00	09.01.2020
2	Around Nanda Lake	Mahadulla	Nagpur	Nagpur	0.00	2.05	0.00	31.03.2020
3	33/11 KV Yenwa SSTn	33/11 KV Narkhed SSTn	Nagpur	Nagpur	0.00	15.00	0.00	30.05.2019
4	33/11 Kv Chinchbhan	33/11 Kv Shivangaon	Nagpur	Nagpur	0.00	0.36	0.65	05.01.2020
5	132 KV Hingna-II	33/11 Kv Surabardi S/stn	Nagpur	Nagpur	0.00	0.00	13.50	21.01.2020
6	33/11KV Wanadongri	33/11KV Mohgaon Khadan	Nagpur	Nagpur	0.00	14.20	1.20	13.07.2019
7	33/11KV Bazargaon	33/11KV Kawadas	Nagpur	Nagpur	0.00	14.10	2.10	13.07.2019
8	132/33kv Hingna	33 KV RC Plasto	Nagpur	Nagpur	0.00	0.00	3.00	05.03.2020
9	33/11 KV Shivangaon	33/11KV Jaihind Nagar	Nagpur	Nagpur	0.00	0.00	3.30	16.11.2019
10	33/11 KV CHINTESHWAR	33/11KV GANDHIBAG GARDEN	Nagpur	Nagpur	0.00	0.00	2.70	06.01.2020
11	33 KV O/H Line		Nagpur	Nagpur	28.77	0.00	0.00	Mar-20
12	33 KV U/G Cable		Nagpur	Nagpur	0.00	0.00	81.80	Mar-20
13	Pulgaon	Ekhaspur	Wardha	Nagpur	0.00	0.24	0.00	Nov-19
			Total		28.77	67.75	108.25	CKT-KMS
	<u>AMRAVATI ZONE</u>							
1	132 KV Daryapur	33 KV Ramtirtha	Amravati	Amravati	0.00	18.00	0.00	21.06.2019
2	132 KV Daryapur	33 KV Amala stn	Amravati	Amravati	0.00	22.00	0.00	09.02.2019
3	33 KV Akoli	33 KV Dasra Maidan stn	Amravati	Amravati	0.00	4.00	0.00	18.10.2019
4	132 KV Chandur Bz.	33 KV Chandur Bz. Stn	Amravati	Amravati	0.00	2.00	0.00	18.07.2019
5	132 KV Morshi	33 KV Morshi Town Stn	Amravati	Amravati	0.00	0.25	0.00	16.01.2020
6	33 KV Lakhanwadi	33 KV Hirurpurna	Amravati	Amravati	0.00	14.70	0.00	09.11.2019
7	33 KV O/H Line		Yavatmal	Amravati	0.00	46.50	1.25	
					0.00	107.45	1.25	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
	<u>AKOLA ZONE</u>							
1	220 KV Shelad	33 KV Ridhora	Akola	Akola	24.80	0.00	0.00	21.08.2019
2	220 KV Shelad	33 KV Ridhora	Akola	Akola	0.00	0.00	1.36	21.08.2019
3	33/11kv Nimgaon substation	33kv Narkhed substation	Buldhana	Akola	6.70	0.00	0.70	27.07.2019
4	132 KV Khamgaon	GIS Substation at Sindhi Colony, Khamgaon	Buldhana	Akola	0.00	0.00	6.00	07.11.2019
5	33/11 KV Channi S/S (Through New Bay)	33Kv/11Kv Deulgaon Sakarsha	Buldhana	Akola	16.70	0.00	0.00	25.04.2019
6	33/11 KV Atali S/S (Through New Bay)	33Kv/11Kv Lakanwada	Buldhana	Akola	10.20	0.00	0.00	17.10.2019
7	132 KV Khamgaon	33/11 KV UNDRI (TORANWADA) SUB	Buldhana	Akola	4.01	0.00	0.00	25.04.2019
8	132/33 kv Malegaon S/s	33/11 kv Dongarkinhi S/s	Washim	Akola	11.00	0.00	0.00	18.09.2019
9	132/33 kv Risod S/s	33/11 kv Kurha S/s	Washim	Akola	18.80	0.00	0.00	15.07.2019
10	33/11 kv Rithad S/s	33/11 kv Asegaonpen S/s	Washim	Akola	7.20	0.00	0.00	28.08.2019
11	33/11 kv Poha S/s	33/11 kv Belmandal S/s	Washim	Akola	10.50	0.00	0.00	17.12.2019
12	33/11 kv Kakadshivni S/s	33/11 kv Belmandal S/s	Washim	Akola	10.00	0.00	0.00	17.12.2019
13	Dhanora Feeder tapping	33/11 kv Anai S/s	Washim	Akola	3.00	0.00	0.00	17.12.2019
14	33/11 kv Manora Rd S/s	33/11 kv DhamniKhadi S/s	Washim	Akola	12.00	0.00	0.00	07.11.2019
					134.91	0.00	8.06	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	33 KV Gondia CKT-II	GIS-Ramnagar	Gondia	Gondia	0.00	13	0.00	30.04.2019
2	132 KV Gondia	Mundipar	Gondia	Gondia	0.00	2	0.00	16.12.2019
3	133 KV Gondia	Rapewada	Gondia	Gondia	0.00	6.1	0.00	22.05.2019
4	Birsi	Thanegaon	Gondia	Gondia	0.00	11	0.00	12.05.2019
5	nimgaon	bondgaon	Gondia	Gondia	0.00	1.6	0.00	18.07.2019
6	Amgaon	Mulla	Gondia	Gondia	0.00	25	0.00	21.11.2019
7	Kohmara	Shenda	Gondia	Gondia	0.00	15.5	0.00	24.02.2020
8	Puraditola	Thana	Gondia	Gondia	0.00	9.11	0.00	30.04.2019
9	salekasa	Tirkhedi	Gondia	Gondia	0.00	8.2	0.00	03.03.2020
10	satalwada	Mundipar	Gondia	Gondia	0.00	10.2	0.00	26.12.2019
11	navegaon	Kokna	Gondia	Gondia	0.00	16	0.00	20.02.2020
					0.00	117.71	0.00	CKT-KMS
	<u>CHANDRAPUR ZONE</u>							
1	220 KV TADALI	33/11 KV SHIDUR S/STN	Chandrapur	Chandrapur	0	13.33	0	17.02.2020
2	220 kv ballarshah	FDCM SSn Karwa	Chandrapur	Chandrapur	0	7.20	0	01.03.2019
3	220 kv Virur SStn	33 kv Dewada SStn	Chandrapur	Chandrapur	0	19.10	0	01.02.2020
4	33/11 KV DELANWADI s/stn	33/11 KV KADOLI s/stn	Gadchiroli	Chandrapur	0	17.00	0	06.04.2019
5	33/11 KV WADSA s/stn	33/11 KV GEWARDHA s/stn	Gadchiroli	Chandrapur	0	26.00	0	09.04.2019
6	33/11 KV GADCHIROLI s/stn	33/11 KV CHATGAON s/stn	Gadchiroli	Chandrapur	0	1.70	0	30.11.2019
7	33/11 KV s/stn	33/11 KV ASARALI s/stn	Gadchiroli	Chandrapur	0	9.50	0	09.08.2019
					0	93.83	0	CKT-KMS
	<u>SUB TOTAL FOR VIDARBH REGION</u>		Total		163.68	386.74	117.56	CKT-KMS
	<u>TOTAL FOR THE STATE</u>				188.66	1946.00	421.28	CKT-KMS

ANNEXURE-4

New 33/11 kV Sub-Stations & 22 kV Switching Stations Commissioned during year 2019-2020

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 kV Waluj Mahanagar-IV (Golwadi_	Aurangabad	Aurangabad	10.00	28.04.2019	IPDS
2	33 kv Samadhan Colony	Aurangabad	Aurangabad	10.00	17.05.2019	IPDS
3	33 kv N-10 (GIS)	Aurangabad	Aurangabad	10.00	15.10.2019	IPDS
4	33 kv STPI	Aurangabad	Aurangabad	20.00	14.01.2020	IPDS
5	Mangrool	Sillod	Aurangabad	5.00	16.04.2019	DDUGJY
6	Bajathan	VAIJAPUR	Aurangabad	5.00	28.12.2019	DDUGJY
7	Bhadali	VAIJAPUR	Aurangabad	5.00	28.01.2020	DDUGJY
8	Takli	Kannad	Aurangabad	5.00	13.12.2019	DDUGJY
9	33/11 KV JOGESHWARI S/S	GANGAPUR	Aurangabad	5.00	01.01.2020	BALANCE INFRA-II
10	33/11kv jatwada	Aurangabad	Aurangabad	5.00	14.06.2019	ddugjy
11	33/11 kv Awdeunchegaov	Paithan	Aurangabad	5.00	04.05.2019	infra
12	SEZ 33 KV	Aurangabad	Aurangabad	20.00	14.06.2019	MIDC
13	33/11 kv pategaove sub stn	Paithan	Aurangabad	5.00	21.06.2019	ddugjy
14	33/11 kv Isarwadi Sub stn	Paithan	Aurangabad	5.00	30.03.2020	ddugjy
15	33/11 kv Khadgaon	Paithan	Aurangabad	5.00	07.12.2019	infra
16	Soinjana	Partur	Jalna	5.00	29.08.2019	DDUGJY
17	Amba	Partur	Jalna	5.00	05.09.2019	IPDS
18	Walsadawrgaon	Bhokardan	Jalna	5.00	06.09.2019	DDUGJY
19	Karhala	Partur	Jalna	5.00	11.09.2019	DDUGJY
20	Jomala	Bhokardan	Jalna	5.00	12.06.2019	IPDS
21	Akoladev	Jafrabad	Jalna	5.00	19.12.2019	DDUGJY
22	Switching Station	Jalna	Jalna	0.00	18.12.2018	R & M
23	Wakulni	Badnapur	Jalna	5.00	20.09.2019	Infra II
24	Shipora Bazar	Bhokardan	Jalna	5.00	02.02.2020	Infra II
25	Shipora Ambhora	Jafrabad	Jalna	5.00	07.12.2019	Infra II
26	Devgaon Khawane	Mantha	Jalna	5.00	31.01.2020	DDUGJY
Total				170.00	MVA	
<u>LATUR ZONE</u>						
1	Rakshasbhuvan	Georai	Beed	5.00	28.10.2019	DDUGJY
2	Jebapimpri	Beed	Beed	5.00	05.10.2019	DDUGJY
3	Pangara	Ashti	Beed	5.00	26.10.2019	DDUGJY
4	33/11 KV Shirshi Haangarga Sub-Station	Nilanga	Latur	5.00	11.02.2020	REC
5	33/11 KV PACHPIMPLA SUBSTATION	Paranda	Osmanabad	5.00	21.07.2019	DDUGJY
6	33/11 KV SUBSTATION KOND	Osmanabad	Osmanabad	5.00	27.10.2019	DDUGJY
7	33/11 KV AWADSHIRPURA S/S	Kallam	Osmanabad	5.00	18.08.2019	DDUGJY
8	33/11 KV MANKESHWAR	Bhoom	Osmanabad	5.00	03.10.2019	DDUGJY
9	33/11 KV BAVI SUBSTATION	Washi	Osmanabad	5.00	19.01.2020	DDUGJY
10	33/11 KV ROSA SUBSTATION	Paranda	Osmanabad	5.00	16.09.2019	DDUGJY
11	33/11KV DEOLALI SUB STATION	Osmanabad	Osmanabad	5.00	06.09.2019	DDUGJY
12	33/11 KV HOLI S/S (DDUGJY)	Lohara	Osmanabad	5.00	13.02.2019	DDUGJY
13	NEW PARANDA IPDS	Paranda	Osmanabad	5.00	03.10.2019	IPDS
14	MIDC BHOOM	Bhoom	Osmanabad	5.00	03.11.2019	IPDS
Total				70.00	MVA	
<u>NANDED ZONE</u>						
1	GIS Major store	NANDED	Nanded	5.00	Mar-20	IPDS-I
2	Kasarkheda	NANDED	Nanded	5.00	Nov-19	DDUGJT
3	Karegaon	NANDED	Nanded	5.00	Jan-20	IPDS-II
4	Kandhar	NANDED	Nanded	5.00	Dec-19	IPDS-II
5	Kauthewadi	NANDED	Nanded	5.00	Oct-19	INFRA_II
6	Halda	NANDED	Nanded	5.00	Dec-19	DDUGJT
Total				30.00	MVA	
SUB TOTAL FOR MARATHWADA REGION				270.00	MVA	
<u>WESTERN MAHARASHTRA REGION:-</u>						
<u>BHANDUP ZONE</u>						
1	33/11KV,Vadghar	Panvel	Raigad	30.00	31.03.2020	DDF
2	33/22KV Tapal naka	Panvel	Raigad	20.00	31.03.2020	SSMR
0	Runwal Forest S/S	Kurla	Mumbai	0.00	27.09.2019	DDF
Total				50.00	MVA	
<u>PUNE ZONE</u>						
1	22/11 kv Oxford Reality	Haveli	Pune (Rastapeth)	20.00	25.07.2019	DDF
2	33/11KV Karanjivihire STN	Khed	Pune (Pune Rural)	5.00	31.01.2020	DDUGJY-II
3	22/22 KV Ganga Vatika Switching Sstn	Haveli	Pune (Rastapeth)	0.00	12.12.2019	DDF
Total				25.00	MVA	

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity in MVA	Date of Commissioning	Scheme
	<u>KOLHAPUR ZONE</u>					
1	Vadgaon	Hatkanangle	Kolhapur	10.00	01-09-2019	INFRA -II
2	Danoli	Hatkanangle	Kolhapur	10.00	01-11-2019	INFRA -II
			Total	20.00	MVA	
	<u>BARAMATI ZONE</u>					
1	33/11KV Bhadalwadi s/Stn	Baramati	Pune	10.00	04.03.2020	Infra II Left Out
2	33/22 KV Kinahi	Koregaon	Satara	5.00	05.11.2019	Infra Left Out
3	33/11 KV Talsangi	Mangalwedha	Solapur	5.00	16.12.2019	Infra-II
4	33/11 KV Wadapur	South Solapur	Solapur	5.00	02.10.2019	Infra-II
			Total	25.00		
	<u>KALYAN ZONE</u>					
1	33/11 KV Sarvoli Sub Salon	Palghar	Palghar	5.00	15.11.2019	DDUGJY
2	33 KV/11 KV PTIC Sub-Station	Palghar	Palghar	10.00	17.09.2019	IPDS
3	22/22 KV Shirgaon Switching Station	Vasai	Palghar	0.00	04.01.2020	DDUGJY
4	33/22 KV DDPL S/Stn	Vasai	Palghar	20.00	15.04.2019	IPDS
5	22/22Kv Mohan Suburbia switching station	Ambarnath	Thane	0.00	Jan-20	IPDS
6	22/22Kv Murbad switching station	Murbad	Thane	0.00	18.02.2020	DDUGJY
7	22/22Kv Saralgaond switching station	Murbad	Thane	0.00	17.12.2019	DDUGJY
			Total	35.00		
	<u>NASHIK ZONE</u>					
1	33/11 KV BOLHEGAON (GIS)	NAGAR	Ahmednagar	5.00	10.05.2019	IPDS
2	33/11 KV KAPURWADI(BHINGAR)	NAGAR	Ahmednagar	5.00	14.08.2019	IPDS
3	33/11 KV F BLOCK	PARNER	Ahmednagar	10.00	18.02.2020	Red- Capex
4	33 / 11 KV Pokhari Haveli	Sangamner	Ahmednagar	5.00	29.02.2020	Indra - 2 Balanced work
5	33 / 11 KV Kumbhephal	Akole	Ahmednagar	5.00	29.02.2020	Indra - 2 Balanced work
6	33/11 KV Sawargaon Substation	Yeola	Nashik	5.00	22.06.2019	DDUGJY
7	33/11 KV SAYNE MHADA	MALEGAON	Nashik	10.00	25.09.2019	IPDS I
			Total	45.00	MVA	

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity in MVA	Date of Commissioning	Scheme
	<u>JALGAON ZONE</u>					
1	33/11 kv Faizpur Substation Code-124175	Yawal	Jalgaon	5.00	14.06.2019	IPDS
2	33/11 Kv MIDC S/Stn	Bhusawal	Jalgaon	10.00	23.08.2019	IPDS
3	33/11 KV Kekatnimbhora	Jamnner	Jalgaon	5.00	19.10.2019	DDUGJY-I
4	33/11 KV Dahiwad	Amalner	Jalgaon	5.00	12.10.2019	DDUGJY-I
5	33/11 kv Baxipur Substation Code-124179	Raver	Jalgaon	5.00	23.01.2020	DDUGJY-I
6	33/11 kv Chakdu (Kolid)	Dhule	Dhule	5.00	01.07.2019	DDUGJY
7	33/11 KV Bandharfali	Navapur	Nandurbar	10.00	25.10.19	IPDS
			Total	45.00	MVA	
	<u>KONKAN ZONE</u>					
1	33/11KV Majaon Substation	Sawantwadi	Sindhudurg	5.00	31.05.2019	DDUGJY
2	Malvan (Dewoolwada)GIS	Malvan	sindhudurg	10.00	01.11.2019	IPDS
			Total	15.00		
	<u>SUB TOTAL FOR WESTERN MAHARASHTRA REGION</u>			260.00	MVA	
	<u>VIDARBH REGION:-</u>					
	<u>AMRAVATI ZONE</u>					
1	33 KV Ramtirtha	Daryapur	Amravati	5.00	21.06.2019	DDUGJY
2	33 KV Amala stn	Daryapur	Amravati	5.00	09.02.2019	DDUGJY
3	33 KV Dasra Maidan stn	Amravati III	Amravati	10.00	18.10.2019	IPDS
4	33 KV Chandur Bz. Stn	Chandur Bz.	Amravati	10.00	18.07.2019	IPDS
5	33 KV Morshi Town Stn	Morshi I	Amravati	10.00	16.01.2020	IPDS
6	33 KV Hirurpurna	Achalpur Camp	Amravati	5.00	19.11.2019	Infra 2
7	33kv Wadhona Bazar	Ralegaon	Yavatmal	5.00	20.02.2020	Backlog Scheme
8	33kv Widul	Umerkhed	Yavatmal	5.00	26.12.2019	Backlog Scheme
9	33kv Wdgaon Gadhve	Darwha	Yavatmal	5.00	08.03.2019	DDUGJY I
			Total	60.00	MVA	

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity in MVA	Date of Commissioning	Scheme
	<u>AKOLA ZONE</u>					
1	Ridhora	Akola	Akola	5.00	43598	INFRA-II
2	Undri	Chikhali	Buldhana	5.00	25.04.2019	DDUGJY-I
3	Deulgaon Sakharsha	Mehkar	Buldhana	5.00	25.04.2019	DDUGJY-I
4	Narkhed	Nandura	Buldhana	5.00	43673	DDUGJY-I
5	Lakhanwada	Khamgaon	Buldhana	5.00	43755	DDUGJY-I
6	GIS Khamgaon Town	Khamgaon	Buldhana	10.00	43776	IPDS-I
7	ASEGAON PEN	RISOD	Washim	5.00	43705	DDUGJY-I
8	BELMANDAL	KARANJA	Washim	5.00	43816	DDUGJY-I
9	ANAI	KARANJA	Washim	5.00	43816	HVDS S/S
10	Kurha	RISOD	Washim	5.00	43661	INFRA-II
11	DONGARKINHI	MALEGAON	Washim	5.00	43726	INFRA-II
12	DHAMNI KHADI	KARANJA	Washim	5.00	43776	Washim Barrages
			Total	65.00	MVA	
	<u>NAGPUR ZONE</u>					
1	33/11 kv Ghotitok Sstn	Ramtek	Nagpur	5.00	09.01.2020	East Vidarbha
2	33 KV Tinkheda S/stn	Narkhed	Nagpur	5.00	17.05.2019	Infra II
3	33/11 kv Gangapur	Umred	Nagpur	10.00	03.08.2019	IPDS
4	33/11 kv Shedeswar	Umred	Nagpur	5.00	15.07.2019	DDUGJY
5	33/11 kv Chikhlapar	Umred	Nagpur	10.00	29.12.2019	DDUGJY
6	33/11 kv National cancer Institute	Nagpur R	Nagpur	10.00	02.02.2019	100% DDF
7	33/11 KV Karala Chouk	Wardha	Wardha	20.00	12.05.2019	IPDS
8	33/11 KV Ekaspur	Deoli	Wardha	10.00	15.05.2019	IPDS
9	33/11 KV Pimpalgaon	Hinganghat	Wardha	20.00	21.06.2019	IPDS
10	33/11 kv Kawdas Adegaon (2x5)	Nagpur	Nagpur	10.00	21.06.2019	DDUGJY
11	33/11 kv Dhawalapur (1x5)	Parshivni	Nagpur	5.00	28.02.2020	DDUGJY
12	33/11 kv Dikshabhumi	Nagpur	Nagpur	20.00	06.08.2019	IPDS
13	33/11 KV (GIS) Gandhibag Garden	Nagpur	Nagpur	10.00	24.12.2019	IPDS
14	33/11 KV Jaithind Society	Nagpur	Nagpur	10.00	14.11.2019	IPDS
15	33/11KV Sironji	Nagpur	Nagpur	5.00	25.01.2020	Internal funds
			Total	155.00	MVA	

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity in MVA	Date of Commissioning	Scheme
	<u>GONDIA ZONE</u>					
1	33/11 KV Moharana	Lakhandur	Bhandara	5.00	19.06.2019	DDUGJY
2	33/11 KV GIS	Gondia	Gondia	5.00	30.04.2019	IPDS
3	33/11 KV Thanegaon	Tirora	Gondia	5.00	12.05.2019	DDUGJY
4	33/11 KV Rapewada	Gondia	Gondia	5.00	22.05.2019	IPDS
5	33/11 KV Mundipar	Gondia	Gondia	5.00	16.12.2019	DDUGJY
6	33/11 KV Thana	Amgaon	Gondia	5.00	30.04.2019	DDUGJY
7	33/11 KV Bondgaon Devi	Arjuni(m)	Gondia	5.00	18.07.2019	EVDS
8	33/11 KV Mulla	Deori	Gondia	5.00	21.11.2019	DDUGJY
9	33/11 KV Mundipar (I)	Sadak(A)	Gondia	5.00	11.12.2019	EVDS
10	33/11 KV Tirkhedi	Salekasa	Gondia	5.00	14.01.2020	DDUGJY
11	33/11 KV Shenda	Deori	Gondia	5.00	24.02.2020	EVDS
			Total	55.00	MVA	
	<u>CHANDRAPUR ZONE</u>					
1	33/11 kv Shidur	Chandrapur	Chandrapur	5.00	17.02.2020	EVD (Shet Tale)
2	33/11 KV S/S MIDC	MUL	Chandrapur	5.00	31.01.2020	DDUGJY
3	33/11 kv ssn FDCM karwa	Ballarshah	Chandrapur	5.00	1.3.2019	IPDS
4	33/11 kv Dewada SStn	Rajura	Chandrapur	5.00	01.02.2020	DDUGJY
5	Naranda	Korpana	Chandrapur	5.00	28.08.2019	DDUGJY
6	33/11KV Jambhulghat	Chimur	Chandrapur	5.00	25.04.2019	EVD (Shet Tale)
7	33/11 KV KADOLI S/STN	GADCHIROLI	GADCHIROLI	5.00	06.04.2019	DDUGJY
8	33/11 KV GEWARDHA S/STN	GADCHIROLI	GADCHIROLI	5.00	09.04.2019	EVD (Shet Tale)
9	33/11 KV CHATGAON S/STN	GADCHIROLI	GADCHIROLI	5.00	30.11.2019	DDUGJY
10	33/11 KV ASARALI S/STN	SIRONCHA	GADCHIROLI	5.00	09.08.2019	EVD (Shet Tale)
				50.00		
	<u>SUB TOTAL FOR VIDARBH REGION</u>			385.00	MVA	
	<u>TOTAL FOR THE STATE</u>			915.00	MVA	

ANNEXURE-4(a)**proforma-10****Augmentation of Transformer Capacity at 33/11kV & 33/22 kV Sub-Stations during 2019-2020**

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	Power House	Aurangabad	Aurangabad	-5.00	21.04.2019	Maintenaance	1 X 10 MVA to 1 X 5 MVA
			Total	-5.00	MVA		
	<u>LATUR ZONE</u>						
1	medical college	Latur	latur	5.00	23.03.2020	IPDS SCHME	1 X 5 MVA to 1 X 10 MVA
2	33/11 KV Wadhona Substastion	Udgir	Latur	1.85	09.04.2019	DDUGJY	1 X 3.15 MVA to 1 X 5 MVA
3	MIDC Osmanabad	OSMANABAD	OSMANABAD	5.00	08.11.2019	IPDS	1 X 5 MVA to 1 X 10 MVA
			Total	11.85	MVA		
	<u>NANDED ZONE</u>						
1	33 kv Niwgha	Hadgaon	Nanded	5.00	29.01.2020	IPDS	1 X 5 MVA to 1 X 10 MVA
			Total	5.00	MVA		
	<u>SUB TOTAL OF MARATHWADA REGION</u>			11.85	MVA		
	<u>WESTERN MAHARASHTRA REGION:-</u>						
	<u>BHANDUP ZONE</u>						
			Total	0.00	MVA		
	<u>PUNE ZONE</u>						
1	22/11 KV Mandai Sub Stn	Haveli	Pune	5.00	19.03.2020	SSMR	1 X 5 MVA to 1 X 10 MVA
			Total	5.00	MVA		
	<u>KALYAN ZONE</u>						
1	Boi. MIDC No.1(Contessa)	Palghar	Palghar	10.00	05.03.2020	CAPEX	1 X 5 MVA to 1 X 10 MVA
			Total	0.00	MVA		

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
	<u>KONKAN ZONE</u>						
			Total	0.00	MVA		
	<u>KOLHAPUR ZONE</u>						
			Total	0.00	MVA		
	<u>BARAMATI ZONE</u>						
			Total	0.00	MVA		
	<u>NASHIK ZONE</u>						
1	POWER HOUSE	Nagar	Ahmednagar	5.00	24.12.2019	IPDS	1 X 5 MVA to 1 X10 MVA
2	CHICHONDI PATIL	Nagar	Ahmednagar	1.85	13.08.2019	MAINTENANCE	1 X 3.15 MVA to 1 X 5 MVA
3	CHICHONDI PATIL	Nagar	Ahmednagar	1.85	03.02.2020	MAINTENANCE	1 X 3.15 MVA to 1 X 5 MVA
4	BHALAWANI	PARNER	Ahmednagar	1.85	02.04.2019	MAINTENANCE	1 X 3.15 MVA to 1 X 5 MVA
5	33 / 11 KV Shirdi	Rahata	Ahmednagar	5.00	14.10.2019	IPDS	1 X 5 MVA to 1 X10 MVA
6	Sutgirni	Shrirampur	Ahmednagar	1.85	03.03.2020	IPDS	1 X 3.15 MVA to 1 X 5 MVA
7	33/11 KV Deogaon	Niphad	Nashik	5.00	24.05.2019	Infra 2	1 X 5 MVA to 1 X10 MVA
8	Stice	Sinnar	Nashik	5.00	10.10.2019	CAPEX	1 X 5 MVA to 1 X10 MVA
9	33/11 KV wadivarhe	Igatpuri	Nashik	5.00	18.05.2018	CAPEX	1 X 5 MVA to 1 X10 MVA
			Total	32.40	MVA		
	<u>JALGAON ZONE</u>						
1	33/11KV Shindkheda	Shindkheda	Dhule	5.00	06.10.2019	DDF	1 X 5 MVA to 1 X10 MVA
			Total	5.00	MVA		
<u>SUB TOTAL OF WESTERN MAHARASHTRA REGION</u>							
				42.40	MVA		
	<u>VIDARBH REGION:-</u>						
	<u>AMRAVATI ZONE</u>						
			Total	0.00	MVA		
	<u>AKOLA ZONE</u>						
			Total	0.00	MVA		

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
	<u>NAGPUR ZONE</u>						
1	33KV Thadipaoni SS	Narkhed	Nagpur	1.85	20.06.2019	DDUGJY	1 X 3.15 MVA to 1 X 5 MVA
			Total	1.85	MVA		
	<u>GONDIA ZONE</u>						
1	33/11 KV Rawanwadi	Gondia	Gondia	1.85	17.03.2020	Maintenance	1 X 3.15 MVA to 1 X 5 MVA
			Total	1.85	MVA		
	<u>CHANDRAPUR ZONE</u>						
			Total	0.00	MVA		
<u>SUB TOTAL OF VIDARBHA REGION</u>				3.70	MVA		
TOTAL FOR THE STATE				57.95	MVA		

ANNEXURE-4(b)**proforma-10****Additional Power Transformer Commissioned at 33/11kV & 33/22 kV Sub-Stations during 2019-2020**

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	Railway Staion	Aurangabad	Aurangabad	10.00	17.01.2020	MIDC Red Grade	Additional 1x10 MVA
2	33/11 KV Dongaon	Gangapur	Aurangabad	5.00	15.09.2019	DDUGJY	Additional 1x5 MVA
3	33 kv khodegaon	Aurangabad	Aurangabad	5.00	14.05.2019	1.3% DDF scheme by MIDC	Additional 1x5 MVA
			Total	20.00	MVA		
	<u>LATUR ZONE</u>						
1	33/11 KV Mohkikhed	Dharur	Beed	5.00	16.05.2020	DDUGJY	Additional 1x5 MVA
2	33/11 KV Harangul	Latur	Latur	5.00	08.04.2019	Infra-II	Additional 1x5 MVA
3	33/11 KV Manjara	Latur	Latur	5.00	03.05.2019	Infra-II	Additional 1x5 MVA
4	33 /11 KV GANGAPUR	Latur	Latur	5.00	03.06.2019	Infra-II	Additional 1x5 MVA
5	33/11KV Shivankhed Substation	Chakur	Latur	5.00	22.11.2019	DDUGJY	Additional 1x5 MVA
6	33/11KV Kingaon Substation	Ahmadpur	Latur	5.00	08.02.2020	DPDC-ND	Additional 1x5 MVA
7	Massa	Kallam	Osmanabad	5.00	17.07.2019	DDUGJY	Additional 1x5 MVA
8	Balsur	Omerga	Osmanabad	5.00	25.01.2019	DDUGJY	Additional 1x5 MVA
			Total	40.00	MVA		
	<u>NANDED ZONE</u>						
1	MIDC Parbhani	parbhani	parbhani	10.00	25.02.2020	CAPEX	Additional 1x10 MVA
			Total	10.00	MVA		
<u>SUB TOTAL OF MARATHWADA REGION</u>				70.00	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>PUNE ZONE</u>							
1	22/11 KV Khulewadi	Haveli	Pune	10.00	Nov-19	O & M	Additional 1x10 MVA
			Total	10.00	MVA		
<u>NASHIK ZONE</u>							
1	Solapur road	Nagar	Ahmednagar	10.00	27.09.2019	Infra - 2 Balanced work	Additional 2 x 5 MVA
2	L Block	Nagar	Ahmednagar	5.00	08.02.2020	Capex	Additional 1x5 MVA
3	G Block	Nagar	Ahmednagar	5.00	15.02.2020	Capex	Additional 1x5 MVA
			Total	20.00	MVA		

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
	<u>JALGAON ZONE</u>						
1	Nachankheda	Jamner	Jalgaon	5.00	02.05.2019	DDUGJY	Additional 1x5 MVA
2	Tapisager	Shindkheda	Dhule	5	11.05.2019	IPDS	Additional 1x5 MVA
			Total	10.00	MVA		
	<u>SUB TOTAL OF WESTERN MAHARASHTRA REGION</u>			40.00	MVA		
	<u>VIDARBH REGION:-</u>						
	<u>AMRAVATI ZONE</u>						
1	33 KV Loni	Nandgaon Kh.	Amravati	5.00	22.02.2020	DDUGJY	Additional 1x5 MVA
2	33 KV Papal	Nandgaon Kh.	Amravati	5.00	12.03.2020	DDUGJY	Additional 1x5 MVA
3	33 KV Madhan	Nandgaon Kh.	Amravati	5.00	15.02.2020	DDUGJY	Additional 1x5 MVA
4	33 KV Tembhurkheda	Nandgaon Kh.	Amravati	5.00	18.03.2020	DDUGJY	Additional 1x5 MVA
			Total	20.00	MVA		
	<u>AKOLA ZONE</u>						
1	Moramba	Murtijapur	Akola	5	23-01-2020	DDUGJY-I	Additional 1x5 MVA
2	Pachmori	Akola	Akola	5	18-03-2020	DDUGJY-I	Additional 1x5 MVA
3	VIZORA	Akola	Akola	5	31-01-2020	HVDS S/S	Additional 1x5 MVA
4	KANSHIVANI	Akola	Akola	5	17-02-2020	HVDS S/S	Additional 1x5 MVA
5	Kenwad	Risod	Washim	5	16-05-2019	HVDS S/S	Additional 1x5 MVA
6	Kakadshivni	Karanja	Washim	5	31-05-2019	HVDS S/S	Additional 1x5 MVA
7	Medshi	Malegaon	Washim	5	16-05-2019	Washim Barrages	Additional 1x5 MVA
8	Kalamba Mahali	Washim	Washim	5	24-08-2019	Washim Barrages	Additional 1x5 MVA
9	MIDC	Washim	Washim	10	28-08-2019	Washim Barrages	Additional 1x10 MVA
			Total	50.00	MVA		
	<u>NAGPUR ZONE</u>						
1	33 kv kanhan WW sstn	Kamptee	Nagpur	5.00	15.12.2019	DDF	Additional 1x5 MVA
2	33 KV Narkhed	Narkhed	Nagpur	10.00	30.5.2019	IPDS-I	Additional 1x10 MVA
3	33 KV Bazargaon	Nagpur	Nagpur	5.00	18.5.2019		Additional 1x5 MVA
			Total	20.00	MVA		
	<u>GONDIA ZONE</u>						
1	33 KV Kardi	Mohadi	Bhandara	5.00	09.04.2019	EVS	Additional 1x5 MVA
2	33 KV Mujabi	Bhandara	Bhandara	5.00	02.11.2019	EVS	Additional 1x5 MVA
3	33 KV Dongargaon	Sakoli	Bhandara	5.00	05.12.2019	EVS	Additional 1x5 MVA
			Total	15.00	MVA		

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
	<u>CHANDRAPUR ZONE</u>						
1	33/11 KV WALNI S/STN	NAGBHID	Gadchiroli	5.00	25.05.2019	EVDS	Additional 1x5 MVA
2	33/11 KV HARDOLI S/STN	BRAMHAPURI	Gadchiroli	5.00	06.05.2019	EVDS	Additional 1x5 MVA
			Total	10.00	MVA		
			<u>SUB TOTAL OF VIDARBH REGION</u>		115.00	MVA	
TOTAL FOR THE STATE				225.00	MVA		

ANNEXURE - 11

TRANSMISSION LINES (11 KV & ABOVE)

Line Volt in kV	No. of Ckts	Length in Ckt-Kms		
		As on	During	As on
		31.3.2019	2019-20	31.3.2020
Overhead Lines				
33 kV	1	42620.22	1464.81	44085.04
	2	2774.88	20.67	2795.55
22 kV	1	29456.44	608.17	30064.61
	2	666.60	23.98	690.58
11 kV	1	293863.81	17060.74	310924.55
	2	430.80	-67.94	362.86
Underground Cables				
33 kV	1	1240.66	177.72	1418.38
22 kV	1	3873.15	260.62	4133.77
11 kV	1	4948.66	597.71	5546.37
Total		379875.21	20146.50	400021.71

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 31.3.2019	During 2019-2020	As on 31.3.2020
1	REST OF MAHARASHTRA	Overhead Lines				
		33 kV	1	21025.93	245.66	21271.59
			2	2438.04	12.95	2450.99
		22 kV	1	29456.44	608.17	30064.61
			2	666.60	23.98	690.58
		11 kV	1	132748.42	5617.71	138366.13
			2	214.96	2.20	217.16
		Underground Cables				
		33 kV	1	568.18	36.03	604.21
		22 kV	1	3873.15	260.62	4133.77
		11 kV	1	3482.69	80.02	3562.71
		Total		194474.40	6887.34	201361.74
2	MARATHWADA	Overhead Lines				
		33 kV	1	11231.11	677.62	11908.73
			2	166.60	7.36	173.96
		22 kV	1	0.00	0.00	0.00
			2	0.00	0.00	0.00
		11 kV	1	77250.00	3641.31	80891.31
			2	80.35	0.00	80.35
		Underground Cables				
		33 kV	1	72.38	14.32	86.71
		22 kV	1	0.00	0.00	0.00
		11 kV	1	176.00	172.35	348.35
		Total		88976.45	4512.96	93489.41
		3	VIDARBHA	Overhead Lines		
33 kV	1			10363.18	541.53	10904.71
	2			170.24	0.36	170.60
22 kV	1			0.00	0.00	0.00
	2			0.00	0.00	0.00
11 kV	1			83865.39	7801.72	91667.12
	2			135.49	-70.14	65.35
Underground Cables						
33 kV	1			600.10	127.37	727.47
22 kV	1			0.00	0.00	0.00
11 kV	1			1289.97	345.35	1635.32
Total				96424.37	8746.19	105170.56

ANNEXURE - 13

DISTRIBUTION LINES (BELOW 11 KV) 2019-2020

Sr. No.	Region	Length in Ckt-kms		
		As on 31.3.2019	During 2019-2020	As on 31.3.2020
Overhead				
1	Rest of Maharashtra	318285.15	1980.99	320266.14
2	Marathwada	158539.24	4138.38	162677.62
3	Vidarbha	185929.12	2863.48	188792.60
	Total	662753.51	8982.85	671736.36
Underground				
1	Rest of Maharashtra	11941.59	370.26	12311.85
2	Marathwada	119.33	3.06	122.39
3	Vidarbha	1229.07	154.46	1383.52
	Total	13289.98	527.78	13817.76
Arial bunch Cable				
1	Rest of Maharashtra	169.69	20.97	190.66
2	Marathwada	138.36	8.20	146.56
3	Vidarbha	642.03	620.58	1262.60
	Total	950.08	649.75	1599.82
Total (OH+UG+AB)				
1	Rest of Maharashtra	330396.44	2372.21	332768.65
2	Marathwada	158796.93	4149.64	162946.57
3	Vidarbha	187800.21	3638.52	191438.73
	Total	676993.57	10160.38	687153.95

ANNEXURE - 14

TRANSFORMATION CAPACITY IN SERVICE 2019-2020

Sr. No.	Region	TRANSFORMATION CAPACITY IN SERVICE (IN MVA)					
		As on 31.3.2019		During 2019-2020		As on 31.3.2020	
		Below 11 kV	11 kV & Above	Below 11 kV	11 kV & Above	Below 11 kV	11 kV & Above
1	Rest of Maharashtra	39927.65	19874.45	1787.31	508.70	41714.96	20383.15
2	Marathwada	9750.65	7069.45	510.74	481.55	10261.39	7551.00
3	Vidarbha	10688.71	7749.45	798.30	480.15	11487.01	8229.60
	Total	60367.01	34693.35	3096.35	1470.40	63463.36	36163.75

STATEMENT SHOWING DETAILS OF POWER T/Fs IN SERVICE AS ON 31.3.2020

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.	NOS.
33/11 kV	25	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	50.00
	20	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	4	80.00
	10	38	13	32	20	19	8	3	98	99	33	67	70	18	32	34	124	708	7080.00
	7.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	5	300	358	381	416	528	54	117	381	729	445	4	609	73	93	125	238	4851	24255.00
	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4.00
	3.15	21	11	16	13	31	3	8	5	19	57	0	20	1	3	7	12	227	715.05
	3	6	5	2	3	4	0	1	1	5	5	0	2	0	0	0	0	34	102.00
	2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2.00
	1.6	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	2	0	0	0	0	0	1	0	3	4.50
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1.00
	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL		366	387	431	452	582	65	131	485	855	540	73	701	94	128	168	376	5834	32296.75
33/22 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	1	0	0	0	0	8	30	8	0	0	0	47	470.00
	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	6	42	1	0	0	0	54	270.00
	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	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	14	75	9	0	0	0	105	779.5
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	160	0	133	0	0	0	294	2940.00
	5	0	0	0	0	0	0	0	0	1	0	4	0	17	0	0	0	22	110.00
	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	2	0	167	0	150	0	0	0	0	319	3087.50
GRAND TOTAL		366	387	431	452	582	72	131	485	857	540	254	776	253	128	168	376	6258	36163.75

STATEMENT SHOWING DETAILS OF DISTRIBUTION T/Fs IN SERVICE AS ON 31.3.2020

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.	
11/0.4 kV	10	0	8	0	1597	2354	0	0	1149	740	3406	0	0	1064	0	0	0	10318	103180
	12.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	360
	16	4879	7972	3619	2427	1091	47	151	2362	5464	676	2775	0	7374	450	2746	2738	44771	716336
	25	1852	1362	899	2269	1111	79	1421	2244	5680	3346	1100	0	2058	467	1532	3143	28563	714075
	50	123	493	112	34	79	31	236	94	254	410	80	0	85	221	0	113	2365	118250
	63	13802	15039	13631	14033	21739	626	4846	15729	28418	16270	7649	18	22756	2564	4154	6894	188168	11854584
	75	0	0	0	0	0	0	0	6	50	1	0	0	0	0	0	0	57	4275
	100	15778	13709	13291	15707	16826	1569	3118	22791	35730	23009	11571	44	26956	3399	4649	6435	214582	21458200
	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	150	226	22	5	7	0	16	7	66	44	91	21	0	9	20	1	25	560	84000
	160	0	0	0	3	0	0	0	0	2	0	0	0	0	0	0	0	5	800
	200	1526	1269	1974	1716	1306	543	562	3283	5917	1711	3983	54	2597	1956	457	525	29379	5875800
	250	0	0	2	5	0	8	0	11	40	7	3	5	18	23	2	0	124	31000
	300	0	55	10	0	52	11	22	22	17	11	25	0	0	58	1	0	284	85200
	315	272	0	368	140	186	262	45	421	1179	106	864	182	267	1924	1	52	6269	1974735
	350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400	0	0	0	0	0	0	0	3	0	0	0	11	0	0	0	0	14	5600
	500	66	0	61	8	5	42	3	167	54	13	71	92	42	303	0	0	927	463500
	600	9	1	0	0	0	0	0	0	0	7	0	0	0	0	0	0	17	10200
	630	1	0	56	15	24	40	2	91	115	0	315	3438	29	1728	0	0	5854	3688020
	750	0	0	1	0	0	0	0	18	4	0	1	128	1	4	0	0	157	117750
	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	10	0	0	3	109	0	0	0	0	122	115900
	995					1	0	0		0			195	0				196	195020
1000	0	0	0	0	0	0	0	17	1	0	1	427	0	4	0	0	450	450000	
1200	0	0				0		2	0		0	7	0	1	0	0	10	12000	
1250						0		16	4			28	0				48	60000	
1500	0	0	0	0	0	0	0	13	1	0	0	4	0	1	0	0	19	28500	
2000	0	0	0	0	0	0	0	3	0	0	0	5	0	0	0	0	8	16000	
2500	0	0	0	0	0	0	0	1	0	0	0	15	0	0	0	0	16	40000	
TOTAL		38558	39930	34029	37961	44774	3274	10413	48519	83714	49064	28462	4762	63256	13123	13543	19925	533307	48223285
11/0.25 single phase	25	3356	2404	9502	8110	12205	0	0	138	7598	2746	5563	0	6813	4652	1029	1325	65441	1636025
	15	323	334	3408	3125	7468	0	0	30	4016	705	1815	0	1261	1929	485	829	25728	385920
	10	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	20	200
TOTAL		3679	2738	12930	11235	19673	0	0	168	11614	3451	7378	0	8074	6581	1514	2154	91189	2022145

STATEMENT SHOWING DETAILS OF DISTRIBUTION T/Fs IN SERVICE AS ON 31.3.2020

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	10	0	0	0	0	0	0	0	0	0	0	0	0	150	0	0	0	150	1500	
	16	0	0	0	0	0	27	0	0	0	0	0	51	1733	21	0	0	1832	29312	
	25	0	0	0	0	0	221	0	0	0	0	0	441	616	140	0	0	1418	35450	
	50	0	0	0	0	0	9	0	0	0	0	0	70	40	29	0	0	148	7400	
	63	0	0	0	0	0	1156	0	0	0	0	0	2092	6895	2307	0	0	12450	784350	
	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100	0	0	0	0	0	2095	0	0	4	0	0	3486	10214	6354	0	0	22153	2215300	
	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	150	0	0	0	0	0	19	0	0	0	0	0	21	2	14	0	0	56	8400	
	160	0	0	0	0	0	0	0	0	0	0	0	175	0	0	0	0	175	28000	
	200	0	0	0	0	0	1565	0	0	3	0	0	1861	845	3644	0	0	7918	1583600	
	230	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	250	0	0	0	0	0	9	0	0	0	0	0	67	1	0	0	0	77	19250	
	300	0	0	0	0	0	0	0	0	0	0	0	9	0	49	0	0	58	17400	
	315	0	0	0	0	0	2067	0	0	0	0	0	1609	131	2827	0	0	6634	2089710	
	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	9	0	0	0	0	0	7	0	0	0	0	16	6400	
	450	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4	1800	
	500	0	0	0	0	0	963	0	0	0	0	0	915	18	310	0	0	2206	1103000	
	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	2671	0	0	0	0	0	1757	15	2905	0	0	7348	4629240	
	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	48	0	0	0	0	0	433	0	0	0	0	481	360750	
	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	13	0	0	0	0	13	10400	
900	0	0	0	0	0	0	0	0	0	0	0	3		0	0	0	3	2700		
950	0	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	35	33250		
995	0	0	0	0	0		0	0	0	0	0	1		0	0	0	1	995		
990	0	0	0	0	0	21	0	0	0	0	0	3	0	0	0	0	24	23760		
1000	0	0	0	0	0	44	0	0	0	0	0	74	0	7	0	0	125	125000		
1250	0	0	0	0	0	14	0	0	0	0	0	20	0	29	0	0	63	78750		
1500	0	0	0	0	0		0	0	0	0	0	1		0	0	0	1	1500		
1600	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5	8000		
2000	0	0	0	0	0	1	0	0	0	0	0	0		0	0	0	1	2000		
2500	0	0	0	0	0		0	0	0	0	0	1		0	0	0	1	2500		
TOTAL		0	0	0	0	0	10943	0	0	7	0	0	13154	20660	18636	0	0	63400	13212077	
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	0	0	0	0	0	1	0	0	0	0	1	200	
	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	
2000	0	0	0	0	0		0	0	0	0	0	2	0	0	0	0	2	4000		
TOTAL		11	1	0	0	0	5	0	0	0	0	0	3	0	0	0	0	20	5865	
GRAND TOTAL		42248	42669	46959	49196	64447	14222	10413	48687	95335	52515	35840	17919	91990	38340	15057	22079	687916	63463372	

Circlewise & Zonewise Cummulative Info. Of 33 kv, 22 kv & 11 kv Lines As on 31.03.2020

Sr. No.	Circle / Zone	33kv			22kv			11 kv		
		O/H -D/C as on 31.03.20	O/H -S/C as on 31.03.20	U/G as on 31.03.20	O/H -D/C as on 31.03.20	O/H -S/C as on 31.03.20	U/G as on 31.03.20	O/H -D/C as on 31.03.20	O/H -S/C as on 31.03.20	U/G as on 31.03.20
1	Kalyan-I				75.80	351.56	388.52			
2	Kalyan-II				23.98	2328.93	67.76			
3	Vasai	0.00	12.00	0.00	76.27	1559.54	119.16		9.32	
4	Palghar	74.50	365.45	21.03		824.52			1997.33	60.89
Kalyan Zone		74.50	377.45	21.03	176.05	5064.55	575.44	0.00	2006.65	60.89
5	Thane				153.21	329.05	672.36		3.95	822.25
6	Vashi	16.29	26.95	234.18	51.07	806.97	257.34		17.93	523.32
7	Pen			1.99	110.02	5092.01	205.74			
	Bhiwandi					579.16	439.98			
Bhandup U. Zone		16.29	26.95	236.17	314.30	6807.19	1575.42	0.00	21.88	1345.57
8	Ratnagiri	101.54	1068.75	14.30					5862.21	7.61
9	Sindhudurg	177.35	526.80	17.53				4.90	3503.96	2.25
Konkan Zone		278.89	1595.56	31.83	0.00	0.00	0.00	4.90	9366.17	9.86
10	Nasik (U)	1482.25	114.87	80.60				113.50	10692.81	548.13
11	Nasik (R)	43.70	1508.00					5.06	7442.66	13.92
12	Ahmednagar	125.62	3086.50	15.37		24.29		35.36	22274.93	15.58
Nashik Zone		1651.57	4709.37	95.97	0.00	24.29	0.00	153.92	40410.40	577.63
13	Dhule		1223.80	0.50					6198.19	10.25
14	Nandurbar		931.90	0.50					5920.73	0.35
15	Jalgaon	43.60	2071.30	7.96					16283.27	16.42
Jalgaon Zone		43.60	4227.00	8.96	0.00	0.00	0.00	0.00	28402.19	27.02
16	Rastapeth				96.84	416.84	804.10	4.51	255.68	747.16
17	Ganeshkhind		11.50	9.00	79.69	636.08	965.56	1.36	177.92	415.54
18	Pune Rural	1.50	661.83	42.86	9.00	3826.64	186.12	1.50	3715.87	8.34
Pune Zone		1.50	673.33	51.86	185.53	4879.56	1955.77	7.37	4149.47	1171.03
19	Baramati	23.45	1078.95	37.06		5741.33	5.58	6.60	3606.35	82.34
20	Satara	210.67	1520.92	41.27	14.70	7547.69	21.56		6239.84	14.66
21	Solapur	56.32	3264.67	5.48				16.36	19499.80	78.61
Baramati Zone		290.44	5864.54	83.81	14.70	13289.02	27.13	22.96	29345.99	175.61
22	Sangli	38.20	1942.15	30.47				23.93	12868.42	63.17
23	Kolhapur	56.00	1855.25	44.10				4.08	11794.96	131.93
Kolhapur Zone		94.20	3797.40	74.57	0.00	0.00	0.00	28.01	24663.38	195.10
REST OF MAHARASHTRA		2450.99	21271.59	604.21	690.58	30064.61	4133.77	217.16	138366.13	3562.71
24	Parbhani	6.64	974.76	4.27					7520.48	172.23
25	Hingoli	10.44	879.95	2.00				1.50	8092.34	8.27
26	Nanded	37.50	2042.00	27.20				20.00	11285.00	23.31
Nanded Zone		54.58	3896.71	33.47	0.00	0.00	0.00	21.50	26897.82	203.81
27	Beed		1530.99					10.00	10323.08	3.40
28	Osmanabad	31.86	1585.05	9.40					11368.43	26.26
29	Latur		1529.73	1.90					9586.16	1.84
Latur Zone		31.86	4645.77	11.30	0.00	0.00	0.00	10.00	31277.67	31.50
30	Aurangabad U	35.46	134.08	40.32				41.71	750.53	109.55
31	Aurangabad R	52.06	1601.63	1.62				7.14	14074.32	0.52
32	Jalna		1630.54						7890.97	2.97
Aurangabad Zone		87.52	3366.25	41.94	0.00	0.00	0.00	48.85	22715.82	113.04
MARATHWADA		173.96	11908.73	86.71	0.00	0.00	0.00	80.35	80891.31	348.35
33	Buldhana	0.00	1352.80	12.00	0.00	0.00	0.00	0.00	12546.62	15.52
34	Akola	0.00	819.81	38.00	0.00	0.00	0.00	0.00	6162.32	35.23
35	Washim	0.00	747.41	0.57	0.00	0.00	0.00	0.00	4994.04	0.00
Akola Zone		0.00	2920.02	50.57	0.00	0.00	0.00	0.00	23702.98	50.75
36	Amravati	0.00	1295.21	52.31	0.00	0.00	0.00	0.00	11921.62	95.02
37	Yeotmal	0.00	1731.43	2.41	0.00	0.00	0.00	0.00	14426.77	3.87
Amravati Zone		0.00	3026.64	54.72	0.00	0.00	0.00	0.00	26348.39	98.89
38	NRC	27.86	980.21	112.55				14.71	7748.87	431.36
39	NUC	100.27	347.54	388.50				48.24	2556.43	947.99
40	Wardha	16.71	842.97	6.01					6750.94	9.79
Nagpur Zone		144.84	2170.72	507.06	0.00	0.00	0.00	62.95	17056.24	1389.14
41	Bhandara		454.24	9.02					4255.67	9.51
42	Gondia	2.46	513.81	3.30				2.40	3856.27	8.80
Gondia Zone		2.46	968.05	12.32	0.00	0.00	0.00	2.40	8111.94	18.31
43	Chandrapur	23.30	909.06	99.13					7534.50	70.83
44	Gadchiroli		910.22	3.66					8913.06	7.40
Chandrapur Zone		23.30	1819.28	102.79	0.00	0.00	0.00	0.00	16447.57	78.23
VIDARBHA		170.60	10904.71	727.47	0.00	0.00	0.00	65.35	91667.12	1635.32
TOTAL FOR THE STATE		2795.55	44085.04	1418.38	690.58	30064.61	4133.77	362.86	310924.55	5546.37
Rest of Maharashtra		2450.99	21271.59	604.21	690.58	30064.61	4133.77	217.16	138366.13	3562.71
Marathwada		173.96	11908.73	86.71	0.00	0.00	0.00	80.35	80891.31	348.35
Vidarbha		170.60	10904.71	727.47	0.00	0.00	0.00	65.35	91667.12	1635.32
Total Region wise		2795.55	44085.04	1418.38	690.58	30064.61	4133.77	362.86	310924.55	5546.37

Circlewise & Zonewise Cumulative Info. Of LT Line as on 31.03.2020

Sr. No.	Circle / Zone	LT Line as on 31.03.19			Added during 2019-20			LT Line as on 31.03.20		
		O/H	U/G	Aerial Bunch Cable	O/H	U/G	Aerial Bunch Cable	O/H	U/G	Aerial Bunch Cable
1	Kalyan-I	593.10	523.11	28.35	0.75	7.94	0.00	593.85	531.05	28.35
2	Kalyan-II	3309.22	127.55	0.00	52.10	10.74	0.00	3361.32	138.29	0
3	Vasai	1905.84	450.20	20.52	37.49	13.46	11.08	1943.33	463.66	31.6
4	Palghar	5026.95	22.61	0.00	13.05	0.56	0.00	5040.00	23.16	0.00
Kalyan Zone		10835.11	1123.46	48.87	103.39	32.69	11.08	10938.50	1156.15	59.95
5	Thane	224.24	2888.07	11.45	0.00	52.46	0.00	224.24	2940.52	11.45
6	Vashi	916.90	1409.72	16.24	30.25	19.54	0.00	947.15	1429.25	16.24
5	Pen	8120.78	83.31	0.00	27.88	4.78	0.00	8148.66	88.09	0
7	Bhiwandi	1046.05	1817.39	0.00	86.62	72.58	0.00	1132.66	1889.97	0
Bhandup U. Zone		10307.97	6198.48	27.69	144.75	149.35	0.00	10452.71	6347.83	27.69
8	Ratnagiri	9840.86	1.17	0.00	117.28	9.35	0.00	9958.14	10.52	0.00
9	Sindhudurg	7359.40	7.36	19.39	80.01	0.00	0.00	7439.41	7.36	19.39
Konkan Zone		17200.26	8.54	19.39	197.29	9.35	0.00	17397.55	17.89	19.39
10	Nasik (U)	25372.26	1069.46	6.34	-17.98	5.60	0.00	25354.28	1075.07	6.34
11	Nasik (R)	18017.06	5.73	32.29	65.86	0.00	0.00	18082.91	5.73	32.29
12	Ahmednagar	35996.94	61.72	10.89	895.25	1.00	0.00	36892.19	62.72	10.89
Nasik Zone		79386.26	1136.91	49.52	943.13	6.60	0.00	80329.39	1143.51	49.52
13	Dhule	13940.85	0.25	0.00	76.16	0.00	0.00	14017.01	0.25	0
14	Nandurbar	13485.33	1.15	0.60	8.79	0.00	0.00	13494.12	1.15	0.6
15	Jalgaon	32622.62	0.88	0.00	119.36	0.00	0.00	32741.98	0.88	0
Jalgaon Zone		60048.80	2.28	0.60	204.31	0.00	0.00	60253.11	2.28	0.60
16	Rastapeth	1854.74	1327.98	23.62	0.00	80.27	9.89	1854.74	1408.25	33.508
17	Ganeshkhind	1609.34	1529.59	0.00	0.00	59.20	0.00	1609.34	1588.78	0
18	Pune Rural	14868.86	205.45	0.00	97.80	13.90	0.00	14966.66	219.35	0
Pune Zone		18332.94	3063.01	23.62	97.80	153.37	9.89	18430.74	3216.38	33.51
19	Baramati	17793.48	45.19	0	33.95	11.03	0.00	17827.43	56.22	0
20	Satara	24300.92	14.66	0	16.23	0.56	0.00	24317.15	15.22	0
21	Solapur	34358.72	134.04	0	131.43	3.72	0.00	34490.15	137.76	0
Baramati Zone		76453.12	193.89	0.00	181.61	15.31	0.00	76634.73	209.20	0.00
22	Sangli	25682.70	7.86	0.00	80.82	1.23	0.00	25763.52	9.09	0
23	Kolhapur	20038.00	207.18	0.00	27.88	2.36	0.00	20065.89	209.54	0
Kolhapur Zone		45720.71	215.04	0.00	108.70	3.59	0.00	45829.41	218.63	0.00
REST OF MAHARSHTRA		318285.15	11941.59	169.69	1980.99	370.26	20.97	320266.14	12311.85	190.66
27	Parbhani	16999.63	0.00	0.00	0.00	0.00	0.00	16999.63	0.00	0.00
28	Hingoli	14096.86	0.00	10.00	153.81	0.00	0.00	14250.67	0.00	10
29	Nanded	19781.18	4.51	0.00	2923.82	0.00	0.00	22705.00	4.51	0.00
Nanded Zone		50877.67	4.51	10.00	3077.63	0.00	0.00	53955.30	4.51	10.00
30	Beed	23192.03	0.00	0.00	393.35	0.00	0.00	23585.38	0.00	0
31	Osmanabad	20897.70	41.44	12.40	120.00	0.00	0.00	21017.70	41.44	12.4
32	Latur	19561.86	0.00	11.50	393.35	0.00	0.00	19955.21	0.00	11.5
Latur Zone		63651.59	41.44	23.90	906.70	0.00	0.00	64558.29	41.44	23.90
24	Aurangabad U	2433.40	73.38	94.86	19.96	0.92	8.20	2453.36	74.31	103.06
25	Aurangabad R	26227.20	0.00	9.60	19.37	1.64	0.00	26246.57	1.64	9.6
26	Jalna	15349.38	0.00	0.00	114.72	0.50	0.00	15464.10	0.50	0
Aurangabad Zone		44009.98	73.38	104.46	154.05	3.06	8.20	44164.03	76.45	112.66
MARATHWADA		158539.24	119.33	138.36	4138.38	3.06	8.20	162677.62	122.39	146.56
30	Buldhana	26551.34	17.01	14.95	40.13	0.00	154.00	26591.47	17.01	168.95
31	Akola	12955.39	8.77	5.20	16.33	0.00	184.00	12971.72	8.77	189.2
32	Washim	11079.10	0.00	0.94	4.50	0.00	121.01	11083.60	0.00	121.94
Akola Zone		50585.83	25.78	21.09	60.97	0.00	459.01	50646.79	25.78	480.09
33	Amravati	26267.06	183.69	43.12	555.14	6.14	141.72	26822.20	189.83	184.84
34	Yeotmal	25575.40	0.00	0.00	85.49	0.00	0.00	25660.89	0.00	0
Amravati Zone		51842.46	183.69	43.12	640.63	6.14	141.72	52483.09	189.83	184.84
35	NRC	21587.84	141.28	83.37	170.07	136.69	0.00	21757.91	277.97	83.37
36	NUC	5606.78	818.34	491.22	1548.60	7.42	19.85	7155.38	825.77	511.07
37	Wardha	16821.78	4.24	0.00	16.40	0.00	0.00	16838.18	4.24	0
Nagpur Zone		44016.40	963.86	574.59	1735.08	144.12	19.85	45751.47	1107.98	594.44
38	Bhandara	8113.73	2.79	3.23	18.74	0.00	0.00	8132.47	2.79	3.23
39	Gondia	9817.44	1.80	0.00	306.73	4.20	0.00	10124.17	6.00	0
Gondia Zone		17931.17	4.59	3.23	325.47	4.20	0.00	18256.64	8.79	3.23
40	Chandrapur	10813.74	49.44	0.00	48.54	0.00	0.00	10862.28	49.44	0
41	Gadchiroli	10739.52	1.70	0.00	52.81	0.00	0.00	10792.33	1.70	0
Chandrapur Zone		21553.26	51.14	0.00	101.35	0.00	0.00	21654.61	51.14	0.00
VIDARBHA		185929.12	1229.07	642.03	2863.49	154.46	620.58	188792.60	1383.52	1262.60
TOTAL FOR THE STATE		662753.51	13289.98	950.08	8982.85	527.78	649.75	671736.36	13817.76	1599.82
Rest of Maharashtra		318285.15	11941.59	169.69	1980.99	370.26	20.97	320266.14	12311.85	190.66
Marathwada		158539.24	119.33	138.36	4138.38	3.06	8.20	162677.62	122.39	146.56
Vidarbha		185929.12	1229.07	642.03	2863.49	154.46	620.58	188792.60	1383.52	1262.60
Total Region wise		662753.51	13289.98	950.08	8982.85	527.78	649.75	671736.36	13817.76	1599.82

Substation & Switching Commissioned as on 31.03.2020

S.R.	Name of District	Total Nos of Substation & Switching		
		As on 31.03.2019	Added during 2019-20 till MAR-20	As on 31.03.2020
1	2	3	4	5
1	Mumbai	30	1	31
2	Thane	117	3	120
3	Palghar	54	4	58
4	Raigad	51	2	53
5	Ratnagiri	54	0	54
6	Sindhudurg	29	2	31
7	Nashik	221	2	223
8	Ahmednagar	216	5	221
9	Dhule	85	1	86
10	Nandurbar	58	1	59
11	Jalgaon	163	5	168
12	Pune	345	4	349
13	Satara	84	1	85
14	Sangli	140	0	140
15	Solapur	259	2	261
16	Kolhapur	127	2	129
Rest of Maharashtra		2033	35	2068
17	Aurangabad	134	15	149
18	Jalna	90	11	101
19	Parbhani	90	0	90
20	Hingoli	67	0	67
21	Nanded	138	6	144
22	Beed	155	3	158
23	Osmanabad	97	10	107
24	Latur	132	1	133
Marathwada		903	46	949
25	Buldhana	105	5	110
26	Akola	68	1	69
27	Washim	50	6	56
28	Amravati	107	6	113
29	Yeotmal	104	3	107
30	Nagpur	130	12	142
31	Wardha	54	3	57
32	Bhandara	39	1	40
33	Gondia	37	10	47
34	Chandrapur	68	6	74
35	Gadchiroli	29	4	33
Vidarbha		791	57	848
Total		3727	138	3865

Annexure-28

Village Electrification

- As on Mar 2018, there are total 41,928 villages in Maharashtra.
- Out of these villages MSEDCL has electrified 41618 nos. of villages by conventional method.
- And 305 nos. of villages electrified non-conventionally by MEDA.
- 5 Villages from Amravati District are re-habitated and hence need to be deleted from scope.
- Therefore, all villages electrified in Maharashtra.

ANNEXURE-29 (A)

District wise abstract of Village Electrification

Sr. No	Name of District	Total Nos. of Villages	Villages Electrified by MSEDCL	Villages Electrified by MEDA	Balance to be Electrified
1	Akola	863	863	0	0
2	Buldhana	1293	1288	5	0
3	Washim	704	704	0	0
4	Amravati	1991	1962	*24	0
5	Yavatmal	1862	1861	1	0
6	Chandrapur	1651	1651	0	0
7	Gadchiroli	1677	1479	198	0
8	Bhandara	821	821	0	0
9	Gondiya	890	890	0	0
10	Nagpur	1601	1600	1	0
11	Wardha	1025	1025	0	0
Vidarbha		14378	14144	229	0
12	Aurangabad	1336	1336	0	0
13	Jalna	967	967	0	0
14	Beed	1359	1359	0	0
15	Latur	932	932	0	0
16	Osmanabad	725	725	0	0
17	Hingoli	683	683	0	0
18	Nanded	1420	1420	0	0
19	Parbhani	838	838	0	0
Marathwada		8260	8260	0	0
20	Thane	1746	1746	0	0
22	Raigad	1886	1882	4	0
23	Ratnagiri	1547	1547	0	0
24	Sindhudurg	750	750	0	0
25	Dhule	679	679	0	0
26	Jalgaon	1502	1502	0	0
27	Nandurbar	945	880	65	0
28	Kolhapur	1209	1209	0	0
29	sangli	728	728	0	0
30	Nashik	1933	1931	2	0
31	Ahmednagar	1588	1588	0	0
32	Pune	1881	1876	5	0
33	satara	1748	1748	0	0
34	Solapur	1148	1148	0	0
Rest of Maharashtra		19290	19214	76	0
TOTAL FOR STATE		41928	41618	305	0

* 5 villages from amravati District are re-habitated

Annexure 29 (B)

AG Pump Energisation Progress (FY 2019-20)

Sr. No.	District Name	Ag Paid Pending as on Mar-19	Ag connection released during FY 2019-20 up to Mar-20	Ag Paid Pending as on Mar-20	No. of Live Ag Consumers as on Mar-20
1	Akola	5187	2815	4213	64864
2	Buldhana	7739	4706	6264	163808
3	Washim	5445	4296	6065	64045
4	Amravati	5598	2861	4836	134874
5	Yeotmal	8127	3726	9185	118431
6	Nagpur	4886	2668	4813	94732
7	Wardha	2748	1453	3514	74690
8	Bhandara	4138	1998	3654	47462
9	Gondia	2818	2078	2294	36608
10	Chandrapur	3798	2417	2972	41936
11	Gadchiroli	2390	2186	2415	34769
Vidarbha		52874	31204	50225	876219
12	Aurangabad	8596	3644	8989	224637
13	Jalna	11018	6824	12073	133319
14	Beed	9494	3018	10655	174321
15	Latur	5986	2329	5353	127124
16	Osmanabad	8587	1777	8881	148122
17	Hingoli	5458	3477	4328	75413
18	Nanded	7553	2162	7829	127307
19	Parbhani	4717	2983	4607	97003
Marathwada		61409	26214	62715	1107246
Total Vidarbha +Marathwada		114283	57418	112940	1983465
20	Mumbai	0	0	0	0
21	Thane	195	43	197	6313
22	Palghar	430	199	342	18858
23	Raigad	255	197	233	18221
24	Ratnagiri	640	427	728	18189
25	Sindhudurg	1075	322	930	24406
Kokan		2595	1188	2430	85987
26	Ahmednagar	12530	4950	11105	369115
27	Nashik	15852	7617	10906	329388
28	Dhule	5640	604	5305	91720
29	Jalgaon	7720	2445	6408	201744
30	Nandurbar	3390	1690	2434	53090
Khandesh		45132	17306	36158	1045057
31	Pune	9441	4982	6932	293711
32	Satara	11520	4147	10226	181978
33	Solapur	13465	6490	9650	356465
34	Kolhapur	5104	2201	7576	145976
35	Sangli	10810	2595	10425	230032
Western Maharashtra		50340	20415	44809	1208162
Rest of Maharashtra		98067	38909	83397	2339206
Total MS&EDCL		212350	96327	196337	4322671