



ANNUAL ADMINISTRATION REPORT



FY-2020-21

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EXECUTIVE SUMMARY OF AAR-2020-21

New Sub-stations & Switching Stations as on March-2021

Voltage Level	As on 31.03.2020	Added During 2020-21	As on 31.03.2021
33/11 KV Substation	3396	58	3454
33/22 KV Substation	52	1	53
22/11 KV Substation	179	0	179
33 KV Switching Station	4	0	4
22 KV Switching Station	226	4	230
11 KV Switching Station	8	0	8
Total	3865	63	3928

Total Power Transformer as on March-2021

Voltage Level	As on 31.03.2020		Added During 2020-21		As on 31.03.2021	
	Nos.	Capacity (In MVA)	Nos.	Capacity (In MVA)	Nos.	Capacity (In MVA)
33/11 KV	5834	32297.40	130	844	5964	33141.40
33/22 KV	105	779	-2	0	103	779
22/11 KV	319	3087	4	35.50	323	3122.50
Total	6258	36163.40	132	879.50	6390	37042.90

Total Distribution Transformer as on March-2021

Voltage Level	As on 31.03.2020		Added During 2020-21		As on 31.03.2021	
	Nos.	Capacity (In MVA)	Nos.	Capacity (In MVA)	Nos.	Capacity (In MVA)
3 Ø 33/0.415 KV	20	5.86	3	0.60	23	6.46
3 Ø 22/0.415 KV	63400	13212	3271	570	66671	13782
3 Ø 11/0.415 KV	533307	48223	54203	2169	587510	50392
1 Ø 11/0.240 kV	91189	2022	425	15	91614	2037
Total	687916	63463	57902	2754.6	745818	66217.6



EXECUTIVE SUMMARY OF AAR-2020-21

Total Distribution Line network as on March-2021						
Voltage Level	As on 31.03.2020		Added During 2020-21		As on 31.03.2021	
	OH	UG	OH	UG	OH	UG
33 KV	46880	1418	697.32	124.43	47577	1543
22 KV	30755	4134	680.09	267.99	31435	4402
11 KV	311287	5546	13017.01	264.02	324304	5810
415 V & Below	671736	13818	3828.10	298.28	675564	14116
Arial Bunch Cable (LT)	1599	--	743.14	--	2343	--
Total	1062257	24916	18966	955	1081223	25871

BRIEF PROGRESS OF VARIOUS SCHEMES

1. 33 kV and 22 kV lines and sub -stations commissioned during 2020 -21

During the year 2020-2021 the M. S. E. D C. Ltd. Commissioned 59 new (33/11kV, 33/22 KV & 22/11 kV) Sub -Stations and 4 Nos of new 22/22 kV, 11/11 kV Switching Stations during the year under HVDS , IPDS, Bac klog, Washim Barrages and DDUGJY.

Sr.No.	Particulars	AchievementDuring 2020 -21
1	Capacity added in S/Stn.33/11 kV,33/22 kV and 22/11 kV	395 MVA
2	Sub-transmission lines energized 33 kV, 22 kV	1796.63 Ckt-km

2. System Improvement Schemes:

In order to reduce the distribution losses 63 nos. of new substations are added during year 2020-21. 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 having population more than 15000 as per cecbus 2011.

Objectives of IPDS:

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

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 2021)

Parameters	Total Scope	Achievement	Achievement %
Nos of New Sub-station (No)	120	119	99
33/11 KV Additional Xr / Capacity Enhancement (No)	100	100	100
Installation of New DT (No)	4987	4970	99
Capacity Enhancement of DT (No)	4207	4207	100
HT Line (Km)	1841	1687	92
LT Line (Km)	1506	1355	90
AB & UG Cable (Km)	6694	6694	100
Consumer Meter (No)	530340	530340	100

Out of the sanctioned 45 circles, 44 circles are physically completed except Bhiwandi Circle which is scheduled to be completed upto June 2021

The Expenditure incurred in IPDS scheme as on 31.03.2021 is Rs 1905 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)

The IT Phase – II Scheme is physically completed as on 31.12.2020

The Expenditure Incurred for IT Phase – II as on 31.03.2021 is Rs 26 Crs (The work of DC/DR upgradation is done through cloud computing. Request is sent to PFC/MoP for consideration of the same as CAPEX)

3.2 ERP (Enterprise Resource Planning):

- The sanctioned cost of the scheme is Rs 40.86 Crs.
- The LOA cost is Rs 15.49 Crs
- The ERP Scheme is physically completed as on 31.12.2020
- The Expenditure Incurred for ERP scheme as on 31.03.2021 is Rs 13.77 Cr

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 31.03.2021 is 3614 MW. However due to pandemic situation during FY 2020 –21, No project commissioned in the F.Y. 2020–21. 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 3614 MW of total contracted capacity, the commissioned capacity of wind power projects is 2888 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 2437 MW as on 31.03.2021 out of which the projects commissioned in the F.Y. 2020-21 is 40 MW. The total commissioned capacity as on 31.03.2021 is 2339 MW.

4.3 Biomass IPP Projects :

MSEDCL has executed EPA with installed capacity to the tune of 228 MW as on 31.03.2021. The installed capacity in operation for sale to MSEDCL upto 31.03.2021 is 158 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, MSPGCL and Govt. owned small hydro power projects upto 31.03.2021 is 317 MW. The total commissioned capacity as on 31.03.2021 is 311 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 4609 MW for meeting solar RPO target as on FY 2020 -21.

Out of 4609 MW contracted capacity; MSEDCL has contracted 552 MW solar power with solar power generators selected through Competitive bidding process (Reverse Auction) on long term basis during FY 2020 -21. The total commissioned capacity as on 31.03.2020 is 2435 MW.

In the above-mentioned capacity, MSEDCL has contracted 1181 MW solar capacities under Mukhyamantri Saur KrishiVahiniYojana, out of which, 332 MW solar capacity is commissioned till the date }

5 RURAL ELECTRIFICATION 2020 -21:

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 1,17,304 agricultural pumpsets during the year 2020-21. With the implementation of this programme, total pumpsets energized in the State are **44,39,975** up to Mar-2021.

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 2020 -21, Rs. 168.36 Crs. received for MSEDCL. As on Mar 2021, progress is 2860 domestic connections, 5 Ag connections and 43 street light connections are released & 4 wadi -pada's electrified. Total expenditure incurred under this scheme is Rs. 23.83 Crs.

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 2020 -21, Rs. 67.66 Crs. received to MSEDCL. As on Mar 2021, progress is – 91 Ag Pump connections & 405 Domestic connections to SC & NB beneficiaries and 15 street light Connections in Dalit Basties are released. Total expenditure incurred under this scheme is Rs. 8.53 Crs.

b) 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 2020 -21, Rs. 5.37 Crs received for TSP & Rs. 3.24 Crs. received for OTSP.

Under TSP scheme, as on Mar 2021 progress is – 5 Domestic connections & 1 wadipada electrified & expenditure incurred is Rs. 3.59 Crs.

Under OTSP scheme, as on Mar 2021 progress is – 86 Domestic connections are released & expenditure incurred is Rs. 0.36 Crs.

5.5 Backlog Scheme:

The Backlog & Indicator Committee set up by Govt. of Maharashtra worked out the Backlog of 2,98,225 nos. of Ag. Pump Sets for energisation in March'1996. The Indicator & Backlog Committee in March 1996, identified 18 Districts of Maharashtra as backlog districts 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. Under this programme, total 2,92,340 nos. of Ag pumps are energized as on March -2021. Backlog of Ag pump energization has been completed removed from Marathwada, Vidarbha and Rest of Maharashtra except Ratnagiri District in which a backlog of 5885 nos. of Ag pumps is balance for removal as on March -2021.

5.6 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 2020-2021 a total of 18182 such connections have been released, out of which 7550 pertains to Scheduled Castes and Nav Buddhists. So far a total of 18,44,671 connections have been released to these five categories, out of which 1,048,221 pertains to Scheduled Castes and Nav Buddhists.

5.7 Shet-tale (East Vidarbha Scheme):

In the State, most of the part of 5 nos. of districts namely Chandrapur, Gadchiroli, Bhandara, Gondia and Nagpur of East Vidarbha Region is remote and naxalite. In these districts the work of strengthening, renovation and modernization of distribution network has not been carried out since last 2 to 3 years. Also connections are released to new Ag consumers on the existing network. Due to burden on existing network, Ag consumers are not getting quality power supply. Hence, it was necessary to carry out strengthening and augmentation of distribution networks in order to provide quality power supply to Ag consumers which in turn will help increasing agriculture production and living standard of farmers.

Considering above facts GoM has sanctioned the scheme of Rs. 749.72 Crs. for strengthening, renovation and modernization of existing distribution network in 5 nos. of districts of East Vidarbha Region namely Chandrapur, Gadchiroli, Bhandara, Gondia and Nagpur. Out of sanctioned Rs. 749.72 Crs. GoM has disbursed the fund of Rs. 350 Crs. to Mahavitaran.

Under East Vidarbha Scheme various works such as 12 new Sub-station, Augmentation of 5 nos. of power transformers, 11 nos. of additional power transformers, 546 nos. of new distribution transformers, 821 km HT line, Augmentation of 84 nos. of DTC and replacement of 4866 nos. of distribution box. Out of above scope upto March-2021, the following work is carried out under this scheme. 12 new Sub-station, Augmentation of 5 nos. of power transformers, 9 nos. of additional power transformers, 535 nos. of new distribution transformers, 757 km HT line, Augmentation of 78 nos. of DTC and replacement of 4768 nos. of distribution box is carried out and rest of the works is under progress.

5.8 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 31.03.2016. 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, Waraj ahagir, 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. GoM sanctioned the scheme vide GR dated 14.12.2017 and a Cheque of Rs. 35 Crs. is received from Irrigation Department.

Under the scheme, it has been proposed to develop basic infrastructure such as 8 nos. New Substations, 6 nos. Add. Power Transformer, 1 nos. Aug. of Power Transformer & 201.50 KM HT line etc. As on March –2021, 5 nos. of new Substations are commissioned, work of 6 nos add. Power Transformers is completed, work of 140 KM HT line is completed and rest of the work is under progress.

6 Deen Dayal Upadhyay Gram Jyoti Yojana :

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 beneficiari es & Modernization & strengthening of infrastructure in villages selected under SansadAdarsh Gram Yojana (SAGY).

Provision of funds : 60% Grant Central Government.
10% Utility/ State Governemnt
30% Loan from Fls/ 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 Crsas final DPR amount for 37 Projects in 33 Districts in Maharashtra with scope as below.

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 DDUGJ Y for Maharashtra State in the meeting held on 10th December, 2015.

The Additional DRP 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 31.03.2021:

Sr.No	Particulars	Unit	Scope	Achievement as on 31.03.2021
1	New Substations	Nos.	210	207
2	Augmentation/ Additional Power Transformer	Nos.	149	149
		Nos.		
3	HT Line	kM	15389	13922
4	LT Line	kM	5117	4273
5	Distribution Transformer	Nos	8743	7502

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
- MSEDCL has decided to set up Electric Vehicle charging station in its premises at their own cost to promote use of electrical vehicle by creating charging infrastructure.
 - **Present status of EV charging stations**
 - MSEDCL had targeted installation of 50 EVCS. Considering rapid change in technology & present penetration of EV, 12 nos of charging station(DC Fast charger of 15 kw) has been commissioned
 - Thane (5), Navi-Mumbai (2), Pune (4), Nagpur (1) – Total 12 EVCS are commissioned.
 - **Tariff for EV charging station is fixed as under:**
Energy charges Rs. 5.5 per unit and KVA (MD) charges Rs.70/ KVA/month
 - i. During time slot 22.00 to 6.00 Hrs- discount of Rs -1.5/unit
 - ii. During time slot 06.00 to 9.00 Hrs& 12.00 to 18.00 Hrs- base tariff of Rs 5.5/unit
 - iii. During time slot 09.00 to 12.00 Hrs- additional charges of Rs 0.80/unit
 - iv. During time slot 18.00 to 22.00 Hrs- additional charges of Rs 1.10/unit
 - 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.

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.

- MSSEDCL 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 MSSEDCL :

- 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
Administrative Charges @ 2% of Project Cost	-	-	39.11	39.11
Total	174.89	547.17	1272.80	1994.86

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

• **Benefits to Government:**

- Bringing more farm land under irrigation
- 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 (In Rs)	5 HP DC Solar Pump Set (In Rs)	7.5 HP DC Solar Pump Set (In Rs)
Open Category (10% of Pump rate) *	16,560	24,710	33,455
SC / ST Category (5% of Pump rate) *	8,280	12,355	16,728

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

• **Beneficiary Selection Criteria:**

- Farmers having farmland with assured source of water.
- Farmers should not have conventional electricity connection.
- Farmers which are not electrified through any scheme previously.

• **Beneficiary Selection Criteria for 7.5 HP Pump –**

- Water source must be well (खोदवा) or tube-well (ट्यूबवेल) only.
- Solar pump will not be given on well & tube well coming under over-exploited, exploited & partially exploited villages defined by GSDA
- Solar pump will be given to beneficiaries coming under villages in Safe Watersheds having Stage of Development / Extraction less than 60%.
- Solar pump will not be given on Bore well coming under rock area.
- The depth of water source must not be more than 60 mtrs.
- Remaining criteria and documents required for sanctioning will remain same as for 3 HP & 5 HP capacities.

• **Priority for Section of Beneficiary:**

- Farmers from Remote & Tribal area.
- Beneficiary Farmers of “DHADAK SINCHAN YOJANA”.
- Farmers from villages which are not electrified yet due to NOC from forest Dept.
- 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 Solar Pumping System & Farmer having farmland above 5 acre is eligible for 5 HP DC & 7.5 HP DC Solar Pumping System.

• **Application Process for Solar Pump:**

- 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 quotation 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 MSDECL 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 :**

- a) 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.
- b) 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.

- c) Acceptance of new application for installation of 7,500 Nos. of solar pumps of 7.5 HP capacity is started from Dtd. 25.09.2020.
- d) Under Phase-II & III, Letter of Empanelment (LoE) are issued to vendors on dtd. 26.10.2020 for installation of 7,500 Nos. of solar pumps of 7.5 HP capacity. Revenue Division wise vendors are empanelled.

• **Total Progress of MSKPY Phase-I, II & III as on dtd. 06.05.2021-**

Phase	Pump Quota	Application Received	Application Rejected	Application Approved & Quotation Issued	Quotation Paid	Vendor Selection	Liability for Installation	Pump Installed	% Pump Installed
Phase-I	25000	26245	0	26245	26245	26245	25000	25000	100%
Phase-II & Phase-III	67500	184886	79807	93582	63983	63262	60988	55366	82%
	7500	10805	7630	2536	1642	1587	1552	126	2%
Total	100000	221936	87437	122363	91870	91094	87540	80492	80%

9 National Cyclone Risk Mitigation Project:

- NCRMP is a Government of India Project is funded by World Bank.
- Rs.200 Crores has been allotted for conversion of overhead to underground electrical network under NCRMP scheme.
- Relief & Rehabilitation (R&R) Department, GOM is the State Project Implementing Unit (SPIU) for Maharashtra. NCRMP unit is set up under R&R Department.
- 75% fund will be provided by Govt. of India and 25% by Govt. of Maharashtra
- 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.

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
Extension of Contract Period due to COVID-19	6 Month	6 Month	15 Month

Present Status:

Sr. No.	Particulars	Unit	Alibag		Ratnagiri		Saatpati	
			Target	Achiev.	Target	Achiev.	Target	Achiev.
1	22 kV GIS Switching Station	Nos.	01 No.	Switching Station Civil Work (land Development & Civil work of New Control Room) completed and Balance work in Progress.	0	0	0	0
2	33 KV HT U/G Cable	K.M.	0	0	18.02	11.01	0	0
3	22 KV HT U/G Cable	K.M.	62.585	24.87	0	0	0	0
4	11 KV HT U/G Cable	K.M.	0	0	84.91	23.86	9.11	5.84
5	33 KV/22 KV/11KV RMU	Nos.	77	0	123	0	14	0
6	LT U/G Cable	K.M.	146.122	33.84	182.79	38.24	34.748	15.46
7	Distribution Transformer	Nos.	30	0	17	0	05	0
8	LT D.B.	Nos.	98	0	210	0	16	0
9	Street Light Pole	Nos.	1198	0	1999	0	365	0
10	LT feeder Pillar/Mini Pillar	Nos.	1804	0	1643	0	349	0

Additional Detail Project Report :

Govt. of Maharashtra has given instruction for preparation of detailed proposal for undertaking additional UGC works across vulnerable towns and villages in coastal districts of Maharashtra.

Sr.No.	Circle Name	Substation/ Switching station(Nos.)	HT Cable (kM)	RMU (Nos.)	LT cable (kM)	DPR Amt.(Cr)
1	VASAI	0	161.45	218	599.30	289.55
2	PEN	3	485.50	524	953.20	833.73
3	PALGHAR	0	373.00	255	1378.65	279.05
4	SINDHUDURG	1	523.00	374	1970.00	582.52
5	RATNAGIRI	2	1211.84	253	2824.00	608.13
6	VASHI	1	109.70	116	327.54	191.28
	Grand Total	7	2864.49	1740	8052.69	2784.27

10. 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 1,58,026 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 Marathawada : 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.
Loan of Rs. 1500 Crs from Punjab National Bank
Provisional Sanction of Rs. 1300 Crs by Punjab & Sindh Bank

• **Scope and Achievement of HVDS Works (As on 31.03.2021) :**

Sr.No	Name of Circle	Freez Cons. Scope	Freez Scope of DT	DTC Commissioned	Connection released
1	Akola	4085	4,021	3,090	3,017
2	Washim	5046	4,398	3,259	3,387
3	Buldhana	6022	5,699	3,633	3,675
4	Amravati	4303	3,796	2,847	2,810
5	Yavatmal	6607	5,727	4,553	4,615
6	Chandrapur	2770	2,635	2,368	2,410
7	Gadchiroli	1499	1,466	1,431	1,452
8	Nagpur R	3239	3,154	2,605	2,604
9	Wardha	1814	1,797	1,681	1,689
10	Nagpur U	138	108	102	98
11	Bhandara	3591	2,812	2,513	2,573
12	Gondia	2215	1,807	1,762	1,808
Nagpur Region		41,329	37,420	29,844	30,138
13	Aurangabad	6,106	5,906	3,676	2,845
14	Jalna	8,172	6,642	4,490	4,490
15	Parbhani	3,963	3,482	2,651	2,631
16	Hingoli	4,994	3,533	3,534	3,724
17	Nanded	6,632	6,200	4,007	4,001
18	Beed	7,794	6,420	3,130	3,225
19	Latur	4,374	3,633	2,943	3,098
20	Osmanabad	6,933	5,521	3,549	3,784
Aurangabad Region		48,968	41,337	27,980	27,798
20	Sangali	8,569	8,172	5,452	5,531
21	Kolhapur	4,351	4,237	2,805	2,862
22	Satara	9,482	8,530	7,000	7,121
23	Baramati	4,905	4,846	3,970	3,907
24	Solapur	8,990	7,980	6,158	5,996
25	Pune R	1,394	1,375	882	891
Pune Region		37,691	35,140	26,267	26,308
26	Kalyan-II	122	79	30	30
27	Palghar	134	134	121	101
28	Vasai	38	38	17	17
29	Pen	146	146	101	101
30	Ratnagiri	361	538	213	291
31	Sindhudurg	717	529	50	50
32	Nasik	3,105	3,100	2,274	2,285
33	Malegaon	7,183	6,930	5,427	5,506
34	Ahmednagar	7,332	6,580	5,642	5,607
35	Jalgaon	4,962	4,852	4,567	4,638
36	Nandurbar	2,204	2,148	1,986	2,020
37	Dhule	3,734	3,691	2,148	2,229
Konan Region		30,038	28,765	22,576	22,875
MSDCL		158,026	1,42,662	1,06,667	1,07,119

- **Scope and Achievement of HVDS Substation works for Vidarbha and Marathwada (Phase -A) as on 31.03.2021**

Sr. No.	Name of District	New Substation (Nos)			Additional Power Transformer (Nos)			Capacitor Bank/Link Line			S/s Land in possession
		Scope	WIP	Commissioned	Scope	WIP	Commissioned	Scope	WIP	Commissioned	
1	Akola	8	4	2	2	0	2	2	2	0	8
2	Washim	3	0	3	2	0	2	0	0	0	3
4	Amravati	3	2	1	1	0	1	0	0	0	3
5	Yavatmal	3	2	1	7	7	0	0	0	0	3
6	Chandrapur	6	5	0	0	0	0	0	0	0	5
7	Gadchiroli	5	3	1	0	0	0	0	0	0	5
8	Nagpur R	5	5	0	0	0	0	2	2	0	4
9	Wardha	5	4	1	0	0	0	0	0	0	5
11	Bhandara	1	1	0	0	0	0	1	0	1	1
12	Gondia	0	0	0	1	0	1	0	0	0	0
Nagpur		39	26	9	13	7	6	5	4	1	37
13	Aurangabad	2	1	0	2	2	0	2	2	0	2
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	1	1	0	1	3	2	1	2
18	Beed	5	1	2	3	0	3	0	0	0	3
19	Latur	3	2	0	0	0	0	2	0	2	2
20	Osmanabad	1	0	0	5	4	1	0	0	0	0
Aurangabad		19	12	3	15	10	5	8	5	3	15
Vidharbha&Marathwada		58	38	12	28	17	11	13	9	4	52

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

Tenders are floated for Substations under Rest of Maharashtra in March 2021 .

Sr. No.	Name of Circle	Proposed Work				Land in Possession
		New Stn	Aug. PT	Addl. PT	APFC	
1	Satara (Wai/Satara/Karad)	5	-	-	-	2
2	Satara (Vaduj/Phaltan)	2	-	2	-	2
3	Solapur	5	-	4	-	3
4	Kolhapur	3	-	-	-	1
5	Sangli	3	1	4	-	1
6	Jalgaon	1	-	5	1	0
7	Dhule	2	-	1	-	1
8	Ahmednagar (Shrirampur)	3	1	2	-	1
9	Ahmednagar (Karjat)	1	-	-	-	0
10	Ahmednagar (Sangamner)	3	-	-	-	1
11	Nashik	-	-	5	1	-
12	Malegaon	1	-	2		1
Total		29	2	25	2	13

ANNEXURE-3

33 KV and 22 KV Sub-Transmission Lines energised during 2020-21

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	132 kagzipura substation	33/11kv khultabad GIS substation	Aurangabad	Aurangabad	0.00	7.50	0.00	11.11.2020
2	33 KV Chikalthana (Tapping)	New Wadali SS	Aurangabad	Aurangabad	0.00	6.00	0.00	12.11.2020
3	33 KV Pachod (Tapping)	Adgaon Jawala	Aurangabad	Aurangabad	0.00	17.00	0.00	15.07.2020
4	33 KV Babra (Tapping)	New Nidhona SS	Aurangabad	Aurangabad	0.00	9.00	0.00	22.03.2021
			Total		0.00	39.50	0.00	CKT-KMS
	Latur Zone							
1	220 KV S/Stn Gavari	33 KV Neknoor S/Stn	Beed	Latur	0.00	10.50	0.00	08.12.2020
2	33/11 KV Mahasobachiwadi S/stn	33 KV Swargaon S/Stn	Beed	Latur	0.00	7.00	0.00	04.12.2020
3	33/11 KV Dhondrai S/stn	220 KV Goundgaon Sw. Stn.	Beed	Latur	0.00	7.20	0.00	06.01.2021
4	33/11 KV Yeli S/Stn	Kawatha Pati	Latur	Latur	0.00	6.10	0.00	21.04.2020
5	132 KV S/Stn Ahmedpur	33 KV Khandali S/Stn	Latur	Latur	0.00	13.00	0.00	03.11.2020
6	Tapping from Buddhavihar	33 KV Hadgal S/Stn	Latur	Latur	0.00	9.50	0.00	05.08.2020
7	33/11 KV Hasegaon (Kallam)	33 KV Massa S/Stn	Osmanabad	Latur	0.00	10.00	0.00	01.10.2020
8	220 KV S/Stn Osmanabad	33 KV Kakde Plot S/Stn	Osmanabad	Latur	0.00	6.00	0.00	01.10.2020
9	220 KV S/Stn Tuljapur	33 KV IPDS Tuljapur S/Stn	Osmanabad	Latur	0.00	10.00	0.00	01.08.2020
10	33/11 KV Sastur S/Stn	33 KV Holi S/Stn	Osmanabad	Latur	0.00	4.00	0.00	01.06.2020
11	33/11 KV Salgara S/Stn	33 KV Barul S/Stn	Osmanabad	Latur	0.00	10.00	0.00	01.06.2020
12	132 KV S/Stn Naldurg	33 KV Naldurg S/Stn	Osmanabad	Latur	0.00	1.50	0.00	01.04.2020
13	132 KV S/Stn Omerga	33 KV GIS Omerga S/Stn	Osmanabad	Latur	0.00	8.00	0.00	01.04.2020
			Total		0.00	102.80	0.00	CKT-KMS

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
Nanded Zone								
1	Kundalwadi	Biloli S/S	Nanded	Nanded	0.00	5.00	0.00	01.03.2021
2	sarangi	pethshivani	parbhani	Nanded	0.00	13.00	0.00	06.05.2021
3	rampuri	shelgaon	parbhani	Nanded	0.00	14.70	0.00	12.12.2020
4	Kolsa	Sengaon	Hingoli	Nanded	0.00	0.00	5.00	12.09.2020
5	Kolsa	Pankanergaon	Hingoli	Nanded	0.00	2.00	0.00	12.09.2020
6	Hingoli S/S	Kanarkheda	Hingoli	Nanded	0.00	4.00	0.00	31.03.2021
7	Wasmatt	Aral	Hingoli	Nanded	0.00	19.00	0.00	31.03.2021
			Total		0.00	57.70	5.00	CKT-KMS
<u>SUB TOTAL FOR MARATHWADA REGION</u>					0.00	200.00	5.00	CKT-KMS
<u>WESTERN MAHARASHTRA REGION:-</u>								
Bhandup Zone								
1	22 KV U/G Line		Thane (Thane)	Bhandup	0.00	0.00	57.69	-
2	33 KV U/G Cable		Thane (Vashi)	Bhandup	0.00	0.00	22.70	-
3	22 KV U/G Cable		Thane (Vashi)	Bhandup	0.00	0.00	16.93	-
4	22 KV S/C Line		Raigad (Pen)	Bhandup	0.00	97.29	0.00	-
5	22 KV U/G Cable		Raigad (Pen)	Bhandup	0.00	0.00	2.42	-
6	22 KV S/C Line		Thane (Bhiwandi)	Bhandup	0.00	5.00	0.00	
7	22 KV U/G Cable		Thane (Bhiwandi)	Bhandup	0.00	0.00	49.04	-
8	22 KV S/C Line		Thane (SMK DF)	Bhandup	0.00	1.61	0.00	
9	22 KV U/G Cable		Thane (SMK DF)	Bhandup	0.00	0.00	10.51	
			Total		0.00	103.90	159.29	CKT-KMS
Pune Zone								
2	22 KV U/G Cable		Pune (Ganeshkhind)	Pune	0.00	0.00	54.13	-
4	22 KV S/C Line		Pune (Pune Rural)	Pune	0.00	49.27	0.00	-
5	22 KV U/G Cable		Pune (Pune Rural)	Pune	0.00	0.00	30.16	-
6	22 KV U/G Cable		Pune (Rastapeth)	Pune	0.00	0.00	10.07	
			Total		0.00	49.27	94.36	CKT-KMS
Kolhapur Zone								
1								
			Total		0.00	0.00	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
Baramati Zone								
1	Kavathe yamai EHV ss	Malathan ss	Pune	Baramati	0.00	9.00	0.00	15.12.2020
2	220 KV Jeur s/stn	33/11 KV Lavhe	Solapur	Baramati	0.00	4.75	0.00	02.06.2020
3	22 KV Line O/H		Pune	Baramati	0.00	138.83	0.00	31.03.2021
4	22 KV Line O/H		Satara	Baramati	0.00	376.99	0.00	31.03.2021
			Total		0.00	529.57	0.00	CKT-KMS
KONKAN ZONE								
1								
			Total		0.00	0.00	0.00	CKT-KMS
KALYAN ZONE								
1	22 KV O/H Line		Thane (Kalyan-I)	Kalyan	0.00	2.80	0.00	
2	22 KV U/G Cable		Thane (Kalyan-I)	Kalyan	0.00	0.00	5.79	-
3	22 KV O/H Line		Thane (Kalyan-II)	Kalyan	7.73	0.00	0.00	-
4	22 KV U/G Cable		Thane (Kalyan-II)	Kalyan	0.00	0.00	4.05	
	22 KV O/H Line		Palghar (Vasai)	Kalyan	0.00	21.23	0.00	
5	22 KV U/G Cable		Palghar (Vasai)	Kalyan	0.00	0.00	29.05	-
8	22 KV O/H Line		Palghar (Palghar)	Kalyan	0.00	1.90	0.00	
			Total		7.73	25.93	38.89	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	132 KV SUPA	33/11 KV New Waghunde s/stn.	Ahmednagar	Nashik	6.00	0.00	0.00	20.10.2020
2	132 / 33 / KV Kopergaon	33 / 11 KV Kokamthan	Ahmednagar	Nashik	0.00	2.70	0.00	30.07.2020
3	220 KV BABHLESHWAR	33KV MIDC	Ahmednagar	Nashik	0.00	24.00	0.00	01.06.2020
4	220 kv Bhendi sub-station	33 kv Pimpale sub-station	Nashik	Nashik	0.00	25.00	0.00	19.02.2021
5	132 KV Pimparkhed Substation	33 KV Gangadhari Substation	Nashik	Nashik	0.00	14.00	0.00	15.09.2020
6	33 KV S/C Line		Nashik	Nashik	0.00	7.80	0.50	
			Total		6.00	73.50	0.50	CKT-KMS
<u>JALGAON ZONE</u>								
1	220 KV Kekatnimbora	Jamner (33/11KV Stn)	Jalgaon	Jalgaon	0.00	12.00	0.00	16.10.2020
2	132 KV Dharangaon	Borgaon	Jalgaon	Jalgaon	0.00	7.20	0.00	12.10.2020
3	Amodada (Tapping)	Wadadhe	Jalgaon	Jalgaon	0.00	12.90	0.00	17.02.2021
			Total		0.00	32.10	0.00	CKT-KMS
<u>SUB TOTAL FOR WESTERN MAHARASHTRA REGION</u>					13.73	814.27	293.03	CKT-KMS

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
	<u>VIDARBH REGION:-</u>							
	<u>NAGPUR ZONE</u>							
1	132 KV Mouda DCL	33 KV Kadholi	Nagpur	Nagpur	0.00	3.95	0.70	06.01.2021
2	33KV Kadholi	33KV Lihigaon	Nagpur	Nagpur	0.00	4.40	0.30	22.05.2020
3	33KV Maa Umiya	33KV Lihigaon	Nagpur	Nagpur	0.00	4.00	0.00	22.05.2020
4	33KV Chargaon	33KV Sironji	Nagpur	Nagpur	0.00	10.60	0.00	03.08.2020
	33KV Rohana	33KV Itgaon	Nagpur	Nagpur	0.00	4.63	0.00	14.08.2020
	33KV Palora	33KV Itgaon	Nagpur	Nagpur	0.00	11.15	0.00	14.08.2020
	33KV Bazargaon	33KV Bazargaon	Nagpur	Nagpur	0.00	1.20	0.00	14.08.2020
	132 KV Bharsingi	Tapping near 33KV Tinkheda line	Nagpur	Nagpur	0.00	4.25	0.00	30.07.2020
	33KV Hudkeshwar	33KV Pachgaon	Nagpur	Nagpur	0.00	8.30	0.00	13.03.2021
	33KV Pachgaon	33KV Pachgaon	Nagpur	Nagpur	0.00	1.08	0.00	13.03.2021
5	132 kv Panjri	33 kv Khamla	Nagpur	Nagpur	0.00	0.00	13.20	20-06-2020
6	33 kv Dikshabhumi	33 kv VNIT	Nagpur	Nagpur	0.00	0.00	4.00	20-06-2020
7	33 Kv Chatrapati	33 kv Ajni	Nagpur	Nagpur	0.00	0.00	2.00	28-07-2020
8	33 kv Shankar ngar	33 kv Dikshabhumi	Nagpur	Nagpur	0.00	0.00	4.50	20-10-2020
9	132 Kv Mankapur	33 kv Dikshabhumi	Nagpur	Nagpur	0.00	0.00	11.40	20-10-2020
10	33KV HUDKESHWAR	PIPALA	Nagpur	Nagpur	0.00	0.00	6.50	20-11-2020
11	FROM PIPALA	33 KV BETARODI	Nagpur	Nagpur	0.00	0.00	7.00	20-11-2020
12	33 Kv Khamala	ajani	Nagpur	Nagpur	0.00	0.00	5.00	20-12-2020
13	33 kv Hudkeshwar	vihirgaon link line	Nagpur	Nagpur	0.00	3.08	0.69	01-01-2021
14	33 Kv Ajani	Deekshabhumi	Nagpur	Nagpur	0.00	0.00	3.00	01-01-2021
15	132 Kv Hingna-I	33KV Trimurti	Nagpur	Nagpur	0.00	0.00	11.20	01-03-2021
16	33kv Mihan	33 kv Hogwood	Nagpur	Nagpur	0.00	0.00	5.34	20-06-2020
17	33/11 KV MOHGAON (KHADAN)	33 KV MOHGAON-YERANGAON LINK L	Nagpur	Nagpur	0.00	9.92	5.80	30-01-2021
18	33 kv Bijli Ngar	33 kv Nagbhaan	Nagpur	Nagpur	0.00	0.00	5.00	06.11.2020
19	33 Kv MRS	33 kv Govindbhawan	Nagpur	Nagpur	0.00	0.00	3.00	14.05.2020
20	HETIKUNDI	SINDIVIHARI	Wardha	Nagpur	0.00	26.10	0.00	02.12.2020
			Total		0.00	92.66	88.63	CKT-KMS

Sr. No.	Name of Line		District	Name of Zone	Details of 33 KV/22 KV Line (Length in CKT-KMS)			Date of Energisation
	From	To			Overhead D/C	Overhead S/C	Underground	
1	2	3	4	5	6	7	8	9
	<u>AMRAVATI ZONE</u>							
1	33 KV Khallar	33 kv Sawalapur	Amravati	Amravati	0.00	14.70	0.00	08..02.2021
2	33 KV O/H Line		Yavatmal	Amravati	0.00	13.94	0.00	-
					0.00	28.64	0.00	CKT-KMS
	<u>AKOLA ZONE</u>							
1	33 kv Karanja Ramzanpur	Kasura	Akola	Akola	0.00	13.50	0.00	29.12.2020
2	33 kv Akot	Mundgaon	Akola	Akola	0.00	8.80	0.00	18.01.2021
3	132 Kv Kanzara	Anbhora	Akola	Akola	0.00	22.30	0.00	30.03.2021
4	Wakad tapping	33/11 kv Dhodap s/s	Washim	Akola	0.00	12.95	0.00	21.06.2020
5	132/33 kv Mangrulpir s/s	33/11 kv Manoli s/s	Washim	Akola	0.00	11.00	0.00	17.02.2021
6	33/11 kv Manora S/s	33/11 kv Giroli S/s	Washim	Akola	0.00	13.00	0.00	15.05.2020
7	33/11 kv Wai S/s	33/11 kv Dhilli S/s	Washim	Akola	0.00	10.00	0.00	30.06.2020
8	132/33 kv Karanja s/s	33/11 kv Naregaon S/s	Washim	Akola	0.00	18.00	0.00	01.11.2020
9	33/11 kv Asegaon S/s	33/11 kv Wara Jahangir S/s	Washim	Akola	0.00	13.00	0.00	18.03.2021
10	33/11 kv Adoli S/s	33/11 kv Ganeshpur S/s	Washim	Akola	0.00	19.00	0.00	17.03.2021
11	33 KV U/G Cable		Akola	Akola	0.00	0.00	1.40	-
12	33 KV U/G Cable		Washim	Akola	0.00	0.00	4.36	-
					0.00	141.55	5.76	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>							
11								
					0.00	0.00	0.00	CKT-KMS
	<u>CHANDRAPUR ZONE</u>							
1	33/11 KV Chak piranji	33/11 KV Haramba	Chandrapur	Chandrapur	0.00	22.00	0.00	25.08.2020
3	220 KV Ballarshah	33/11 KV Ballarshah	Chandrapur	Chandrapur	0.00	5.00	0.00	10.04.2020
4	220 KV virur	33/11 KV Aheri	Chandrapur	Chandrapur	0.00	22.86	0.00	24.07.2020
5	Dibhana Tapping on Existing 33 KV Amirza Feeder	33/11 KV Porla Sub-Station	Gadchiroli	Chandrapur	0.00	18.50	0.00	25.01.2021
6	132 KV Chamorshi Sub-Station	33/11 KV Chamorshi Sub-Station	Gadchiroli	Chandrapur	0.00	6.30	0.00	26.06.2020
7	132 KV Chamorshi Sub-Station	Tapped nearby Jainagar Village Tq. Chamorshi on Existing 33 KV Yenapur	Gadchiroli	Chandrapur	0.00	7.80	0.00	17.07.2020
8	132 KV Chamorshi Sub-Station	33/11 KV Bhendala Sub-Station	Gadchiroli	Chandrapur	0.00	7.14	0.00	17.07.2020
9	132 KV Chamorshi Sub-Station	Tapped nearby Hanuman Mandir Tq. Chamorshi on Existing 33 KV Ghot	Gadchiroli	Chandrapur	0.00	6.48	0.00	17.07.2020
10	132 KV Chamorshi Sub-Station	Tapped nearby Harde College Tq. Chamorshi on Existing 33 KV Talaodhi	Gadchiroli	Chandrapur	0.00	8.52	0.00	17.07.2020
11	Link Line from 33/11 KV Haramba Sub-Station, Sub-Division Saoli, Vyahad D/C,	33/11 KV Yenapur Sub-Station	Gadchiroli	Chandrapur	0.00	8.76	0.00	17.07.2020
					0.00	113.36	0.00	CKT-KMS
	<u>SUB TOTAL FOR VIDARBH REGION</u>		Total		0.00	376.21	94.39	CKT-KMS
	<u>TOTAL FOR THE STATE</u>				13.73	1390.48	392.42	CKT-KMS

ANNEXURE-4

New 33/11 kV Sub-Stations & 22 kV Switching Stations Commissioned during year 2020-21

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	Adgaon Jawala	Paithan	Aurangabad	5.00	15.07.2020	DDUGJY
2	GIS S/S Khultabad	Khultabad	Aurangabad	5.00	11.11.2020	IPDS
3	Nidhona	Phulambri	Aurangabad	5.00	22.03.2021	INFRA II
4	Wadali	Kannad	Aurangabad	5.00	12.11.2020	DDUGJY
			Total	20.00	MVA	
	<u>LATUR ZONE</u>					
1	33/11 KV Sawargaon	Ashti	Beed	5.00	08.12.2020	HVDS Sub Stn
2	33/11 KV Neknoor	Beed	Beed	5.00	04.12.2020	HVDS Sub Stn
3	33/11 KV Pakharsangvi	Latur	Latur	5.00	25.09.2020	DDUGJY
4	33/11 KV Hadgal	Ahmedpur	Latur	5.00	05.08.2020	DDUGJY
5	33/11 KV Khandali	Ahmedpur	Latur	5.00	03.11.2020	DDUGJY
6	33/11 KV Kakde Plot	Osmanabad	Osmanabad	5.00	01-10-2020	IPDS
7	33/11 KV IPDS Tuljapur	Tuljapur	Osmanabad	5.00	01-08-2020	IPDS
8	33/11 KV IPDS Naldurg	Tuljapur	Osmanabad	5.00	01-04-2020	IPDS
9	33/11 KV Barul	Tuljapur	Osmanabad	5.00	01-04-2020	IPDS
10	33/11 KV Holi	Lohara	Osmanabad	5.00	01-04-2020	IPDS
11	33/11 KV GIS Omerga	Omerga	Osmanabad	5.00	01-04-2020	IPDS
			Total	55.00	MVA	
	<u>NANDED ZONE</u>					
1	Biloli S/s	Degloor	Nanded	10.00	01.03.2021	IPDS-1
2	33/11 KV DHENGALI PIMPALGAON	SAILU	PARBHANI	5.00	31-07-2020	DDUGJY-I
3	Aral	Basmath	Hingoli	5.00	26.03.2021	HVDS S.S
			Total	20.00	MVA	
<u>SUB TOTAL FOR MARATHWADA REGION</u>				95.00	MVA	

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity in MVA	Date of Commissioning	Scheme
<u>WESTERN MAHARASHTRA REGION:-</u>						
	<u>BHANDUP ZONE</u>					
1	22Kv Awas Switching	Alibag	Raigad	0.00	18.08.2020	INFRA-II
2	33/11 KV Sector-17, Ulwe	Panval	Thane	20.00	01.04.2020	DDF
3	33/22KV,Akurli substation	Panvel	Raigad	20.00	17.03.2021	DDUGJY
			Total	40.00	MVA	
	<u>PUNE ZONE</u>					
			Total	0.00	MVA	
	<u>KOLHAPUR ZONE</u>					
			Total	0.00	MVA	
	<u>BARAMATI ZONE</u>					
1	33/11 KV Lavhe	Karmala	Solapur	5.00	02.06.2020	Infra II
			Total	5.00		
	<u>KALYAN ZONE</u>					
1	22/22 kv Karma switching station	Shahapur	Thane	0.00	11.06.2020	Infra II
2	22/22 KV Naikpada Switiching	Vasai	Palghar	0.00	06.10.2020	IPDS-I
3	22/22 KVAchole Switching Station	Vasai	Palghar	0.00	15.07.2020	IPDS-1
			Total	0.00		
	<u>NASHIK ZONE</u>					
1	33/11 KV New Waghunde	Parner	Ahmednagar	10.00	20.10.2020	1.3 % DDF
2	33/11 KV GANESHWADI	KARJAT	Ahmednagar	5.00	22.03.2021	DDUGJY
3	33 / 11 KV Kokamthan	Kopergaon	Ahmednagar	5.00	30.07.2020	Infra - 2 Balanced
4	33/11KV SARADWADI	Sinnar	Nashik	10.00	05.03.2021	IPDS
5	33/11 kv Pimpale	Kalwan	Nashik	5.00	18.02.2021	TSP-RE
6	33/11 kv Gangadhari Substation	Nandgaon	Nashik	5.00	15.09.2020	IPDS Scheme
			Total	40.00	MVA	
	<u>JALGAON ZONE</u>					
1	33/11 kv Pahadibaba	Jamner	Jalgaon	10.00	16.10.2020	IPDS
2	33/11 Kv Borgaon	Dharangaon	Jalgaon	5.00	10.12.2020	DDUGJY-I
3	33/11 Kv Wadadhe	Bhadagaon	Jalgaon	10.00	17.02.2021	IPDS
			Total	25.00	MVA	
	<u>KONKAN ZONE</u>					
			Total	0.00		
<u>SUB TOTAL FOR WESTERN</u>				110.00	MVA	

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity in MVA	Date of Commissioning	Scheme
	<u>VIDARBH REGION:-</u>					
	<u>AMRAVATI ZONE</u>					
1	33 KV Sawalapur Stn	Achalpur Camp	Amravati	5.00	08.02.2021	HVDS
2	33/11 KV Meera Jira	Kelapur	Yavatmal	5.00	23.02.2021	Backlog
3	33/11 KV Sakhar Dara	Zari	Yavatmal	5.00	09.01.2021	HVDS
			Total	15.00	MVA	
	<u>AKOLA ZONE</u>					
1	Mundgaon	Akot	Akola	5.00	18-01-2021	HVDS
2	Kasura	Balapur	Akola	5.00	29-12-2020	HVDS
3	Anbhora	Murtijapur	Akola	5.00	20-03-2021	HVDS
4	DhodaP	Riosod	Washim	5.00	21-06-2020	HVDS
5	Manoli	Mangrulpur	Washim	5.00	17-02-2021	HVDS
6	Giroli	Karanja	Washim	5.00	15-05-2020	Washim Barrages
7	Dhilli	Washim	Washim	5.00	30-06-2020	Washim Barrages
8	Naregaon	Washim	Washim	5.00	01-11-2020	Washim Barrages
9	Wara jahangir	Mangrulpur	Washim	5.00	18-03-2021	Washim Barrages
10	Ganeshpur	Washim	Washim	10.00	21-03-2021	Washim Barrages
			Total	55.00	MVA	
	<u>NAGPUR ZONE</u>					
1	33/11 kv Lihigaon S/stn	Mouda	Nagpur	5.00	22.05.2020	East Vidarbha
2	33/11 KV Kadholi S/stn	Mouda	Nagpur	5.00	18.02.2021	DDF
3	33/11 KV Itgaon S/Stn	Parshioni	Nagpur	5.00	01-10-2020	East Vidarbha
4	33/11 KV Ajni	Nagpur	Nagpur	10.00	28.07.2020	IPDS
5	33/11 kv Hagwood	Nagpur	Nagpur	5.00	20.06.2020	1.3 DDF
6	33/11 KV GIS Pipala	Nagpur	Nagpur	10.00	20.11.2020	IPDS
7	33/11 kv Vihirgaon	Nagpur	Nagpur	10.00	01.01.2021	Internal Fund
8	33KV Nagbhavan	Nagpur	Nagpur	10.00	22.10.2020	IPDS
9	33KV Govind Bhavan	Nagpur	Nagpur	10.00	14.05.2020	1.3 DDF
10	33/11 kv Textile Park	Hinganghat	Wardha	5.00	02.04.2020	1.3% DDF
11	33/11 KV Sindivihari	Karanja	Wardha	5.00	05.12.2020	HVDS
			Total	80.00	MVA	
	<u>GONDIA ZONE</u>					
			Total	0.00	MVA	
	<u>CHANDRAPUR ZONE</u>					
1	33/11KV HARAMBA SUBSTATION	Saoli	Chandrapur	5.00	25.08.2020	DDUGJY
2	33 KV Ballarshah	Ballarshah	Chandrapur	20.00	10.04.2021	66 KV Elimination
3	33/11 kv Aheri Sub station	Rajura	Chandrapur	5.00	24.07.2020	DDUGJY
4	33/11 KV Porla	Gadchiroli	Gadchiroli	5.00	25.01.2021	EVDS
5	33/11 KV Adpalli	Chamorshi	Gadchiroli	5.00	14.07.2020	DDUGJY
				40.00		
<u>SUB TOTAL FOR VIDARBH REGION</u>				190.00	MVA	
<u>TOTAL FOR THE STATE</u>				395.00	MVA	

ANNEXURE-4(a)

proforma-10

Augmentation of Transformer Capacity at 33/11kV & 33/22 kV Sub-Stations during 2020-21

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	E Sector Waluj	A'urangabad	A'urangabad	1.85	20-05-2020	IPDS Part A	1 X 3.15 MVA to 1 X 5 MVA
	L Sector Waluj	A'urangabad	A'urangabad	5.00	04-09-2020	IPDS Part A	1 X 5 MVA to 1 X 10 MVA
	Himayatbagh	A'urangabad	A'urangabad	5.00	06-12-2020	IPDS Part A	1 X 5 MVA to 1 X 10 MVA
			Total	11.85	MVA		
	<u>LATUR ZONE</u>						
1	33/11 KV OPH S/Stn	Latur	latur	5.00	12.06.2021	IPDS SCHME	1 X 5 MVA to 1 X 10 MVA
			Total	5.00	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>			21.85	MVA		
	<u>WESTERN MAHARASHTRA REGION:-</u>						
	<u>BHANDUP ZONE</u>						
			Total	0.00	MVA		
	<u>PUNE ZONE</u>						
1							
			Total	0.00	MVA		
	<u>KALYAN ZONE</u>						
1	33/11 KV MIDC Sub Station No.2 BOISAR (M)	Palghar	Palghar	5.00	05.04.2020	CAPEX	1 X 5 MVA to 1 X 10 MVA
			Total	5.00	MVA		
	<u>KONKAN ZONE</u>						
			Total	0.00	MVA		
	<u>KOLHAPUR ZONE</u>						
1	Panhala	Panhala	Kolhapur	1.85	11.11.2020	Scrapping Policy/maint	1 X 3.15 MVA to 1 X 5 MVA
			Total	1.85	MVA		
	<u>BARAMATI ZONE</u>						
			Total	0.00	MVA		
	<u>NASHIK ZONE</u>						
			Total	0.00	MVA		
	<u>JALGAON ZONE</u>						
1							
			Total	0.00	MVA		
	<u>SUB TOTAL OF WESTERN MAHARASHTRA REGION</u>			6.85	MVA		

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
	<u>VIDARBH REGION:-</u>						
	<u>AMRAVATI ZONE</u>						
			Total	0.00	MVA		
	<u>AKOLA ZONE</u>						
			Total	0.00	MVA		
	<u>NAGPUR ZONE</u>						
1	33/11 KV Katol	Katol	Nagpur	5.00	21.04.2020	IPDS	1 X 5 MVA to 1 X10 MVA
			Total	5.00	MVA		
	<u>GONDIA ZONE</u>						
1							
			Total	0.00	MVA		
	<u>CHANDRAPUR ZONE</u>						
			Total	0.00	MVA		
<u>SUB TOTAL OF VIDARBHA REGION</u>				5.00	MVA		
TOTAL FOR THE STATE				33.70	MVA		

<u>ANNEXURE-4(b)</u>							
<u>proforma-10</u>							
<u>Additional Power Transformer Commissioned at 33/11kV & 33/22 kV Sub-Stations during 2020-21</u>							
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	Amarapur Waghundi	Paithan	Aurangabad	5.00	29.07.2020	DDUGJY	Additional 1x5 MVA
2	Jaykwadi S	Paithan	Aurangabad	5.00	27.07.2020	DDUGJY	Additional 1x5 MVA
3	Bidkin	Paithan	Aurangabad	5.00	04.09.2020	DDUGJY	Additional 1x5 MVA
4	Karodi	Aurangabad	Aurangabad	5.00	01.09.2020	DDUGJY	Additional 1x5 MVA
5	Hiwra	Aurangabad	Aurangabad	5.00	22.09.2020	DDUGJY	Additional 1x5 MVA
			Total	25.00	MVA		
	<u>LATUR ZONE</u>						
1	33 KV Pimpalwandi	Patoda	Beed	5.00	06.10.2020	HVDS Sub Stn	Additional 1x5 MVA
2	33 KV Pargaon Jogeshwari	Ashti	Latur	5.00	24.09.2020	HVDS Sub Stn	Additional 1x5 MVA
3	33 KV Ashti	Ashti	Latur	5.00	24.09.2020	HVDS Sub Stn	Additional 1x5 MVA
4	33 KV Lokhandi Sawargaon	Ambejogai	Latur	10.00	15.03.2021	100% DDF	Additional 1x10 MVA
			Total	25.00	MVA		
	<u>NANDED ZONE</u>						
1	33/11 KV DAITHNA	Parbhani	Parbhani	5.00	31.03.2021	HVDS	Additional 1x5 MVA
2	33/11 KV SINGNAPUR	Parbhani	Parbhani	5.00	31.03.2021	HVDS	Additional 1x5 MVA
3	33/11 KV BOBADE TAKLI	Parbhani	Parbhani	5.00	31.03.2021	HVDS	Additional 1x5 MVA
4	33/11 KV FARKANDA	Palam	Parbhani	5.00	31.03.2021	HVDS	Additional 1x5 MVA
5	Sandas	Kalamnuri	Hingoli	5.00	26.03.2021	HVDS	Additional 1x5 MVA
			Total	25.00	MVA		
<u>SUB TOTAL OF MARATHWADA REGION</u>				75.00	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>BHANDUP ZONE</u>						
			Total	0.00	MVA		
	<u>KALYAN ZONE</u>						
1	33/11 KV TTP Sub Station BOISAR	Palghar	Palghar	5.00	27.05.2020	DDUGJY	
			Total	5.00	MVA		
	<u>KONKAN ZONE</u>						
			Total	0.00	MVA		
	<u>KOLHAPUR ZONE</u>						
1	Gad Mudshingi	Karaveer	Kolhapur	5.00	15.06.2020	DDUGJY -II	Additional 1x5 MVA
2	Tilavani	Hatkanangale	Kolhapur	5.00	27.11.2020	DDUGJY -II	Additional 1x5 MVA
3	Rashivade	Radhanagari	Kolhapur	5.00	29.10.2020	DDUGJY -II	Additional 1x5 MVA
4	PIE Yadrav	Shirol	Kolhapur	5.00	06.07.2020	DDUGJY -II	Additional 1x5 MVA
5	Jaysingpur	Shirol	Kolhapur	5.00	15.06.2020	DDUGJY -II	Additional 1x5 MVA
			Total	25.00	MVA		
	<u>BARAMATI ZONE</u>						
1	Loni Deokar	Indapur	Pune	5.00	05.05.2020	DDUGJY	
2	Kurkumbh	Daund	Pune	5.00	05.05.2020	DDUGJY	
3	33/11 KV Shahapur	Karad	Satara	5.00	01.03.2021	DDUGJY	
4	33/11 KV Pal	Patan	Satara	5.00	01.03.2021	DDUGJY	
			Total	20.00	MVA		
	<u>PUNE ZONE</u>						
1	33/11KV Wada	Khed	Pune	5.00	12.09.2020	DDUGJY-I	Additional 1x5 MVA
2	22/11 Kv VHTPL Township	Mulshi	Pune	5.00	01.08.2020	1.3% DDF	Additional 1x5 MVA
			Total	10.00	MVA		
	<u>NASHIK ZONE</u>						
1	33/11 KV Rahuri	Rahuri	Ahmednagar	5.00	05.06.2020	IPDS	Additional 1x5 MVA
2	33/11 KV Borgaon	Surgana	Nashik	5.00	31.03.2021	DPDC	Additional 1x5 MVA
3	33/11 KV Umrle	Peth	Nashik	5.00	31.03.2021	Capex	Additional 1x5 MVA
4	33/11 Talwade	Malegaon	Nashik	3.15	28.10.2020	Capex	Additional 1x3.15 MVA
			Total	18.15	MVA		
	<u>JALGAON ZONE</u>						
1	33/11 KV Kanalda	Jalgaon	Jalgaon	5.00	11.01.2021	DPDC NDNT	Additional 1x5 MVA
2	33/11 KV Nimgul Sub Station	Shindkheda	Dhule	5.00	28.12.2020	O & M	Additional 1x5 MVA
3	33/11 KV Langhane Sub Station	Shindkheda	Dhule	5.00	05.01.2021	O & M	Additional 1x5 MVA
			Total	15.00	MVA		
	<u>SUB TOTAL OF WESTERN MAHARASHTRA REGION</u>			93.15	MVA		

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
	<u>VIDARBH REGION:-</u>						
	<u>AMRAVATI ZONE</u>						
1	33 KV Rajura substation	Chandur Rly	Amravati	5.00	12.10.2020	HVDS	Additional 1x5 MVA
2	33 KV Sawargaon Gore	Pusad	Yavatmal	5.00	06.06.2020	HVDS	Additional 1x5 MVA
3	33 KV Marwadi	Pusad	Yavatmal	5.00	28.08.2020	HVDS	Additional 1x5 MVA
4	33 KV Weni Kopra	Pusad	Yavatmal	5.00	14.07.2020	HVDS	Additional 1x5 MVA
5	33 KV Kalegaon	Digras	Yavatmal	5.00	30.05.2020	HVDS	Additional 1x5 MVA
6	33 KV Chatari	Umarkhed	Yavatmal	5.00	15.10.2020	HVDS	Additional 1x5 MVA
7	33 KV Shirol	Ghatanji	Yavatmal	5.00	16.07.2020	HVDS	Additional 1x5 MVA
8	33 KV Kalamb	Kalamb	Yavatmal	5.00	28.08.2020	HVDS	Additional 1x5 MVA
			Total	40.00	MVA		
	<u>AKOLA ZONE</u>						
1	Channi	Patur	Akola	5	24-07-2020	DDUGJY	Additional 1x5 MVA
2	Anand Sagar	Shegaon	Buldhana	5	07-09-2020	DDUGJY	Additional 1x5 MVA
3	RAPDRP Shegaon	Shegaon	Buldhana	5	07-09-2020	DDUGJY	Additional 1x5 MVA
4	Ukali	Mehkar	Buldhana	5	09-09-2020	DDUGJY	Additional 1x5 MVA
5	Kinhola	Motala	Buldhana	5	02-11-2020	DDUGJY	Additional 1x5 MVA
6	Umapur	Jalgaon Jamod	Buldhana	5	08-12-2020	DDUGJY	Additional 1x5 MVA
7	Amani	Malegaon	Washim	5	06-11-2020	Washim Barrages	Additional 1x5 MVA
8	Chikhali	Risod	Washim	5	06-11-2020	Washim Barrages	Additional 1x5 MVA
9	Wakad	Risod	Washim	5	06-11-2020	Washim Barrages	Additional 1x5 MVA
			Total	45.00	MVA		
	<u>NAGPUR ZONE</u>						
1	33/11KV Seminary Hills	Nagpur	Nagpur	10.00	28.08.2020	System Strengthening(IPDS)	Additional 1x10 MVA
2	33/11KV Kamptee rd	Nagpur	Nagpur	10.00	26.06.2020	System Strengthening(IPDS)	Additional 1x10 MVA
3	33/11KV Binaki	Nagpur	Nagpur	10.00	18.12.2020	System Strengthening(IPDS)	Additional 1x10 MVA
4	33/11KV Dongargaon	Nagpur	Nagpur	5.00	17.02.2021	DDUGJY	Additional 1x5 MVA
5	33/11/kv Kharangana Gode	wardha	Wardha	5.00	04.12.2020	DDUGJY	Additional 1x5 MVA
			Total	40.00	MVA		
	<u>GONDIA ZONE</u>						
1	33/11KV Salekasa	Sadak Arjuni	Gondia	5.00	21.10.2020	HVDS part-A	Additional 1x5 MVA
2	33/11 KV Kalimati	Amgaon	Gondia	5.00	17.05.2020	DDUGJY	Additional 1x5 MVA
3	33/11 KV Civil Lines	Gondia	Gondia	5.00	18.12.2020	DDUGJY	Additional 1x5 MVA
4	33/11 KV Rawanwadi	Gondia	Gondia	5.00	18.12.2020	DDUGJY	Additional 1x5 MVA
5	33/11 KV Zilmili	Gondia	Gondia	5.00	14.12.2020	DDUGJY	Additional 1x5 MVA
			Total	25.00	MVA		
	<u>CHANDRAPUR ZONE</u>						
			Total	0.00	MVA		
	<u>SUB TOTAL OF VIDARBH REGION</u>			150.00	MVA		
	TOTAL FOR THE STATE			318.15	MVA		

ANNEXURE - 11

TRANSMISSION LINES (11 KV & ABOVE)

Line Volt in kV	No. of Ckts	Length in Ckt-Kms		
		As on	During	As on
		31.3.2020	2020-21	31.3.2021
Overhead Lines				
33 kV	1	44085.04	690.12	44775.16
	2	2795.55	7.20	2802.75
22 kV	1	30064.61	707.38	30771.98
	2	690.58	-27.29	663.29
11 kV	1	310924.55	11778.48	322703.03
	2	362.86	1142.51	1505.38
A.B. Cable		0.00	96.02	96.02
Underground Cables				
33 kV	1	1418.38	124.43	1542.81
22 kV	1	4133.77	267.99	4401.75
11 kV	1	5546.37	264.02	5810.39
Total		400021.71	15050.85	415072.56

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 31.3.2020	During 2020-2021	As on 31.3.2021
1	REST OF MAHARASHTRA	Overhead Lines				
		33 kV	1	21271.59	116.75	21388.34
			2	2450.99	7.80	2458.79
		22 kV	1	30064.61	707.38	30771.98
			2	690.58	-27.29	663.29
		11 kV	1	138366.13	3595.53	141961.66
			2	217.16	1111.10	1328.26
		Underground Cables				
		33 kV	1	604.21	14.25	618.46
		22 kV	1	4133.77	267.99	4401.75
		11 kV	1	3562.71	70.35	3633.06
		Total		201361.74	5863.85	207225.60
2	MARATHWADA	Overhead Lines				
		33 kV	1	11908.73	202.14	12110.87
			2	173.96	4.00	177.96
		22 kV	1	0.00	0.00	0.00
			2	0.00	0.00	0.00
		11 kV	1	80891.31	4375.60	85266.91
			2	80.35	0.00	80.35
		A.B.Cable		0.00	96.02	96.02
		Underground Cables				
		33 kV	1	86.71	5.71	92.42
		22 kV	1	0.00	0.00	0.00
		11 kV	1	348.35	77.98	426.33
		Total		93489.41	4761.45	98250.86
3	VIDARBHA	Overhead Lines				
		33 kV	1	10904.71	371.23	11275.94
			2	170.60	-4.60	166.00
		22 kV	1	0.00	0.00	0.00
			2	0.00	0.00	0.00
		11 kV	1	91667.12	3807.36	95474.47
			2	65.35	31.41	96.76
		Underground Cables				
		33 kV	1	727.47	104.47	831.93
		22 kV	1	0.00	0.00	0.00
		11 kV	1	1635.32	115.68	1751.00
		Total		105170.56	4425.55	109596.11

ANNEXURE - 13

DISTRIBUTION LINES (BELOW 11 kV) 2020-21

Sr. No.	Region	Length in Ckt-kms		
		As on 31.3.2020	During 2020-2021	As on 31.3.2021
Overhead				
1	Rest of Maharashtra	320266.14	1209.58	321475.72
2	Marathwada	162677.62	1302.75	163980.37
3	Vidarbha	188792.60	1315.76	190108.36
	Total	671736.36	3828.10	675564.46
Underground				
1	Rest of Maharashtra	12311.85	213.65	12525.50
2	Marathwada	122.39	4.35	126.74
3	Vidarbha	1383.52	80.28	1463.80
	Total	13817.76	298.28	14116.04
Ariai bunch Cable				
1	Rest of Maharashtra	190.66	235.29	425.95
2	Marathwada	146.56	309.41	455.97
3	Vidarbha	1262.60	198.44	1461.04
	Total	1599.82	743.14	2342.97
	Total (OH+UG+AB)			
1	Rest of Maharashtra	332768.65	1658.52	334427.17
2	Marathwada	162946.57	1616.51	164563.08
3	Vidarbha	191438.73	1594.48	193033.21
	Total	687153.95	4869.52	692023.46

ANNEXURE - 14

TRANSFORMATION CAPACITY IN SERVICE 2020-21

Sr. No.	Region	TRANSFORMATION CAPACITY IN SERVICE (IN MVA)					
		As on 31.3.2020		During 2020-2021		As on 31.3.2021	
		Below 11 kV	11 kV & Above	Below 11 kV	11 kV & Above	Below 11 kV	11 kV & Above
1	Rest of Maharashtra	41714.96	20383.15	1648.08	429.15	43363.04	20812.30
2	Marathwada	10261.39	7551.00	354.69	218.30	10616.08	7769.30
3	Vidarbha	11487.01	8229.60	753.60	232.20	12240.61	8461.80
	Total	63463.36	36163.75	2756.37	879.65	66219.73	37043.40

STATEMENT SHOWING DETAILS OF POWER T/Fs IN SERVICE AS ON 31.3.2021

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

Voltage Ratio	Capacity	AMTZ	AKLZ	AZ	NADZ	LZ	KLNZ	KZR	KOPZ	NSKZ	JLGZ	BUZ	BMTZ	PZ	GONZ	CHDZ	NZ	TOTAL	TOTAL
	in MVA	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	NOS.	CAPACITY IN MVA
33/11 kV	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	34	22	23	9	3	100	99	45	76	70	18	31	31	133	745	7450.00
	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	306	378	389	425	538	55	117	385	737	457	5	614	74	103	114	251	4948	24740.00
	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4.00
	3.15	21	11	15	14	33	3	8	4	20	58	0	20	1	1	8	11	228	718.20
	3	6	5	2	3	3	0	1	1	5	2	0	2	0	0	0	0	30	90.00
	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	0	0	2	3.00
	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		372	407	440	464	597	67	131	490	864	562	83	706	95	135	154	397	5964	33141.4
33/22 kV	12.5	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	37.50
	10	0	0	0	0	0	1	0	0	0	0	10	30	8	0	0	0	49	490.00
	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	2	42	1	0	0	0	50	250.00
	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	12	75	9	0	0	0	103	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	163	0	133	0	0	0	297	2970.00
	5	0	0	0	0	0	0	0	0	1	0	4	0	18	0	0	0	23	115.00
	3.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	2.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL		0	0	0	0	0	0	0	0	2	0	170	0	151	0	0	0	323	3122.50
GRAND TOTAL		372	407	440	464	597	74	131	490	866	562	265	781	255	135	154	397	6390	37043.40

STATEMENT SHOWING DETAILS OF DISTRIBUTION T/Fs IN SERVICE AS ON 31.3.2021

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	2057	5764	1	0	3365	1294	6576	0	0	1690	0	0	0	20755	207550
	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	7664	10002	7647	7660	1588	52	190	4396	9397	1148	4009	0	10722	511	4091	3538	72615	1161840
	25	1852	1464	937	2765	1284	81	1437	2590	6404	3716	1137	0	2268	474	1537	3099	31045	776125
	50	123	493	112	34	79	31	236	101	254	410	75	0	85	221	16	113	2383	119150
	63	14255	15213	13639	14685	22005	633	4960	15788	28841	17811	7790	18	22930	2597	4257	6986	192408	12121704
	75	0	0	0	0	0	0	0	3	50	1	0	0	0	0	0	0	54	4050
	100	16494	14502	13390	15586	17059	1580	3193	24539	36208	23690	11953	81	27062	3412	5624	6648	221021	22102100
	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	150	227	22	5	0	0	16	12	88	41	91	17	0	8	20	1	25	573	85950
	160	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	3	480
	200	1589	1318	2024	1920	1331	565	582	3729	6146	1778	4582	83	2726	1963	606	543	31485	6297000
	250	0	0	2	0	0	9	0	11	41	7	6	5	18	21	2	0	122	30500
	300	0	57	10	0	52	11	22	23	17	11	13	0	0	48	1	0	265	79500
	315	272	0	383	139	186	265	50	456	1265	106	985	271	271	2070	10	52	6781	2136015
	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	12	0	0	0	0	15	6000
	500	66	0	61	8	5	42	3	178	54	13	66	87	42	293	1	0	919	459500
	600	9	1	0	0	0	0	0	3	0	7	0	0	0	0	0	0	20	12000
	630	1	0	56	28	24	42	2	105	122	0	332	3412	32	1886	0	0	6042	3806460
	750	0	0	1	0	0	0	0	15	4	0	1	138	1	4	0	0	164	123000
	800	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	8	6400
	950	0	0	0	0	0	0	0	10	0	0	3	128	0	0	0	0	141	133950
	995	0	0	0		1	0	0		0		0	163	0		0	0	164	163180
	1000	0	0	0	0	0	0	0	17	1	0	1	375	0	4	0	0	398	398000
	1200	0	0	0			0	0	2	0		0	2	0	1	0	0	5	6000
	1250	0	0	0			0	0	16	4		0	29	0		8	0	57	71250
	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		42576	43080	38267	44882	49378	3328	10687	55456	90146	55365	30970	4836	67855	13526	16154	21004	587510	50392564
11/0.25 single phase	25	3817	2433	9407	8311	12223	0	0	147	7653	2682	5823	0	6849	4661	1029	1322	66357	1658925
	15	271	334	3399	2633	7563	0	0	21	4038	627	1846	0	1262	1932	479	832	25237	378555
	16	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	20	320
TOTAL		4088	2767	12826	10944	19786	0	0	168	11691	3309	7669	0	8111	6593	1508	2154	91614	2037800

STATEMENT SHOWING DETAILS OF DISTRIBUTION T/Fs IN SERVICE AS ON 31.3.2021

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

Voltage Ratio	Capacity in KVA	AMTZ	AKLZ	AZ	NADZ	LZ	KLNZ	KZR	KOPZ	NSKZ	JLGZ	NZ	BUZ	BMTZ	PZ	GONZ	CHDZ	TOTAL	TOTAL CAPACITY IN KVA
		Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	NOS.	
22\0.4 kV	10	0	0	0	0	0	0	0	0	0	0	0	0	541	0		0	541	5410
	16	0	0	0	0	0	27	0	0	0	0	0	59	2370	53	0	0	2509	40144
	25	0	0	0	0	0	254	0	0	0	0	0	459	656	148	0	0	1517	37925
	50	0	0	0	0	0	8	0	0	0	0	0	70	40	29	0	0	147	7350
	63	0	0	0	0	0	1313	0	0	0	0	0	2139	6939	2380	0	0	12771	804573
	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100	0	0	0	0	0	2414	0	0	4	0	0	3574	10250	6502	0	0	22744	2274400
	125	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	20	2	14	0	0	55	8250
	160	0	0	0	0	0	0	0	0	0	0	0	182	0	0	0	0	182	29120
	200	0	0	0	0	0	1838	0	0	3	0	0	1882	860	3761	0	0	8344	1668800
	230	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	250	0	0	0	0	0	9	0	0	0	0	0	67	1	0	0	0	77	19250
	300	0	0	0	0	0	4	0	0	0	0	0	5	0	47	0	0	56	16800
	315	0	0	0	0	0	2200	0	0	0	0	0	1737	133	2888	0	0	6958	2191770
	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	1022	0	0	0	0	0	895	18	305	0	0	2240	1120000
	600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	630	0	0	0	0	0	2826	0	0	0	0	0	1819	16	3063	0	0	7724	4866120
	730	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	750	0	0	0	0	0	48	0	0	0	0	0	433	0	0	0	0	481	360750
	830	0	0	0	0		0	0	0	0	0	0	11	0	0		0	11	9130
	800	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	15	12000
	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	0	4	0	0		0	4	3980
	990	0	0	0	0	0	21	0	0	0	0	0	1	0	0		0	22	21780
	1000	0	0	0	0	0	48	0	0	0	0	0	74	0	7	0	0	129	129000
	1250	0	0	0	0	0	19	0	0	0	0	0	20	0	31	0	0	70	87500
	1500	0	0	0	0	0	0	0	0	0	0	0	5	0	0		0	5	7500
	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	2	0	0		0	3	6000
	2500	0	0	0	0	0	0	0	0	0	0	0	1	0	0		0	1	2500
TOTAL		0	0	0	0	0	12084	0	0	7	0	0	13526	21826	19228	0	0	66671	13782902
33/0.4 kV	50	2	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	5	250
	100	9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	11	1100
	200	0	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0	4	800
	315	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	315
	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000	0	0	0	0		0	0	0	0	0	0	2	0	0		0	2	4000
TOTAL		11	1	0	0	0	5	3	0	0	0	0	3	0	0	0	0	23	6465
GRAND TOTAL		46675	45848	51093	55826	69164	15417	10690	55624	101844	58674	38639	18365	97792	39347	17662	23158	745818	66219731

Circlewise & Zonewise Cumulative Info. Of 33 kv, 22 kv & 11 kv Lines As on 31.03.2021

Sr. No.	Circle / Zone	33kv			22kv			11 kv			
		O/H -D/C as on 31.03.21	O/H -S/C as on 31.03.21	U/G as on 31.03.21	O/H -D/C as on 31.03.21	O/H -S/C as on 31.03.21	U/G as on 31.03.21	O/H -D/C as on 31.03.21	O/H -S/C as on 31.03.21	U/G as on 31.03.21	A.B. Cable
1	Kalyan-I				75.80	354.36	394.31				
2	Kalyan-II				31.71	2328.93	71.81				
3	Vasai	0.00	12.00	0.00	76.27	1580.77	148.21		9.32		
4	Palghar	74.50	365.45	21.03		826.42			2013.49	61.39	
Kalyan Zone		74.50	377.45	21.03	183.78	5090.48	614.33	0.00	2022.81	61.39	0.00
5	Thane				118.19	172.50	624.42		3.20	818.71	
6	Vashi	16.29	26.95	248.28	51.07	809.23	274.27		19.43	537.71	
7	Pen			1.99	110.02	5189.30	208.16				
	Bhiwandi					579.74	489.02				
	SMK DF					151.85	116.14		8.91	35.08	
Bhandup U. Zone		16.29	26.95	250.27	279.28	6902.61	1712.02	0.00	31.54	1391.50	0.00
8	Ratnagiri	101.54	1068.75	14.30					5953.32	7.61	
9	Sindhudurg	177.35	526.80	17.53				4.90	3537.39	2.25	
Konkan Zone		278.89	1595.56	31.83	0.00	0.00	0.00	4.90	9490.71	9.86	0.00
10	Nasik (U)	1490.05	114.87	80.75				113.50	10840.51	550.48	
11	Nasik (R)	43.70	1547.00					5.06	7801.21	13.92	
12	Ahmednagar	125.62	3118.40	15.37		24.29		36.56	22726.28	15.82	
Nashik Zone		1659.37	4780.27	96.12	0.00	24.29	0.00	155.12	41368.00	580.22	0.00
13	Dhule		1223.80	0.50					6508.51	10.25	
14	Nandurbar		931.90	0.50					6137.56	0.35	
15	Jalgaon	43.60	2103.40	7.96					16838.29	16.59	
Jalgaon Zone		43.60	4259.10	8.96	0.00	0.00	0.00	0.00	29484.36	27.19	0.00
16	Rastapeth				96.84	416.84	812.24	4.51	255.68	755.19	
17	Ganeshkhind		11.50	9.00	79.69	636.08	1019.69	1.36	177.92	421.42	
18	Pune Rural	1.50	661.83	42.86	9.00	3877.84	216.28	1.50	3757.18	8.68	
Pune Zone		1.50	673.33	51.86	185.53	4930.76	2048.20	7.37	4190.78	1185.28	0.00
19	Baramati	23.45	1087.95	37.06		5880.16	5.58	6.60	3682.21	82.97	
20	Satara	210.67	1520.92	41.27	14.70	7943.69	21.63		6440.31	14.66	
21	Solapur	56.32	3269.42	5.48				1126.26	19499.80	84.13	
Baramati Zone		290.44	5878.29	83.81	14.70	13823.84	27.21	1132.86	29622.32	181.76	0.00
22	Sangli	38.20	1942.15	30.47				23.93	13661.40	63.47	
23	Kolhapur	56.00	1855.25	44.10				4.08	12089.75	132.39	
Kolhapur Zone		94.20	3797.40	74.57	0.00	0.00	0.00	28.01	25751.14	195.86	0.00
REST OF MAHARASHTRA		2458.79	21388.34	618.46	663.29	30771.98	4401.75	1328.26	141961.66	3633.06	0.00
24	Parbhani	6.64	1002.46	5.47					8202.88	172.98	
25	Hingoli	10.44	908.35	2.00				1.50	8501.44	8.27	
26	Nanded	37.50	2047.00	27.95				20.00	11930.15	23.31	
Nanded Zone		54.58	3957.81	35.42	0.00	0.00	0.00	21.50	28634.47	204.56	0.00
27	Beed		1555.69					10.00	10633.34	3.40	
28	Osmanabad	35.86	1633.05	13.16					11895.43	36.76	
29	Latur		1558.33	1.90					9891.54	63.24	
Latur Zone		35.86	4747.07	15.06	0.00	0.00	0.00	10.00	32420.31	103.40	0.00
30	Aurangabad U	35.46	134.08	40.32				41.71	752.33	114.88	66.48
31	Aurangabad R	52.06	1641.37	1.62				7.14	14647.83	0.52	29.54
32	Jalna		1630.54						8811.96	2.97	0.00
Aurangabad Zone		87.52	3405.99	41.94	0.00	0.00	0.00	48.85	24212.13	118.37	96.02
MARATHWADA		177.96	12110.87	92.42	0.00	0.00	0.00	80.35	85266.91	426.33	96.02
33	Buldhana	0.00	1352.80	12.00	0.00	0.00	0.00	0.00	12940.71	17.16	
34	Akola	0.00	864.41	39.40	0.00	0.00	0.00	0.00	6655.15	44.36	
35	Washim	0.00	844.36	4.93	0.00	0.00	0.00	0.00	5545.47	2.57	
Akola Zone		0.00	3061.57	56.33	0.00	0.00	0.00	0.00	25141.33	64.09	0.00
36	Amravati	0.00	1309.91	52.81	0.00	0.00	0.00	0.00	12570.07	95.65	
37	Yotmal	0.00	1745.37	2.41	0.00	0.00	0.00	0.00	14744.93	3.87	
Amravati Zone		0.00	3055.28	55.22	0.00	0.00	0.00	0.00	27315.00	99.52	0.00
38	NRC	27.86	1033.79	113.55				14.71	8063.44	453.06	
39	NUC	100.27	360.54	476.11				48.24	2609.01	1001.43	
40	Wardha	16.71	869.07	6.01					6978.84	10.64	
Nagpur Zone		144.84	2263.40	595.67	0.00	0.00	0.00	62.95	17651.29	1465.13	0.00
41	Bhandara		454.24	9.02					4434.49	9.51	
42	Gondia	2.46	513.81	3.30				2.40	3967.07	8.80	
Gondia Zone		2.46	968.05	12.32	0.00	0.00	0.00	2.40	8401.56	18.31	0.00
43	Chandrapur	18.70	953.92	108.73				31.41	7745.06	86.46	
44	Gadchiroli		973.72	3.66					9220.24	17.50	
Chandrapur Zone		18.70	1927.64	112.39	0.00	0.00	0.00	31.41	16965.29	103.96	0.00
VIDARBHA		166.00	11275.94	831.93	0.00	0.00	0.00	96.76	95474.47	1751.00	0.00
TOTAL FOR THE STATE		2802.75	44775.16	1542.81	663.29	30771.98	4401.75	1505.38	322703.03	5810.39	96.02
Rest of Maharashtra		2458.79	21388.34	618.46	663.29	30771.98	4401.75	1328.26	141961.66	3633.06	0.00
Marathwada		177.96	12110.87	92.42	0.00	0.00	0.00	80.35	85266.91	426.33	96.02
Vidarbha		166.00	11275.94	831.93	0.00	0.00	0.00	96.76	95474.47	1751.00	0.00
Total Region wise		2802.75	44775.16	1542.81	663.29	30771.98	4401.75	1505.38	322703.03	5810.39	96.02

Circlewise & Zonewise Cummulative Info. Of LT Line as on 31.03.2021

Sr. No.	Circle / Zone	LT Line as on 31.03.2021			Added duirng 2020-21			LT Line as on 31.03.2021		
		O/H	U/G	Aerial Bunch Cable	O/H	U/G	Aerial Bunch Cable	O/H	U/G	Aerial Bunch Cable
1	Kalyan-I	593.85	531.05	28.35	1.85	25.68	5.35	595.70	556.72	33.70
2	Kalyan-II	3361.32	138.29	0	3.40	0.77	0.00	3364.72	139.06	0
3	Vasai	1943.33	463.66	31.6	36.14	15.78	0.00	1979.47	479.44	31.6
4	Palghar	5040.00	23.16	0.00	9.36	4.49	0.00	5049.36	27.65	0.00
Kalyan Zone		10938.50	1156.15	59.95	50.75	46.72	5.35	10989.25	1202.87	65.30
5	Thane	224.24	2940.52	11.45	-92.94	-193.42	0.00	131.30	2747.10	11.45
6	Vashi	947.15	1429.25	16.24	12.80	8.45	0.00	959.95	1437.70	16.24
5	Pen	8148.66	88.09	0	0.00	0.00	0.00	8148.66	88.09	0
7	Bhiwandi	1132.66	1889.97	0	50.08	52.63	0.00	1182.74	1942.61	0
	SMK DF	0.00	0.00	0	94.60	141.30	0.00	94.60	141.30	0
Bhandup U. Zone		10452.71	6347.83	27.69	64.54	8.97	0.00	10517.25	6356.80	27.69
8	Ratnagiri	9958.14	10.52	0.00	50.09	0.00	0.00	10008.23	10.52	0.00
9	Sindhudurg	7439.41	7.36	19.39	78.43	0.30	0.00	7517.84	7.66	19.39
Konkan Zone		17397.55	17.89	19.39	128.52	0.30	0.00	17526.07	18.18	19.39
10	Nasik (U)	25354.28	1075.07	6.34	115.81	5.42	1.92	25470.09	1080.48	8.26
11	Nasik (R)	18082.91	5.73	32.29	15.81	0.00	40.83	18098.72	5.73	73.12
12	Ahmednagar	36892.19	62.72	10.89	131.14	2.00	38.37	37023.33	64.72	49.26
Nasik Zone		80329.39	1143.51	49.52	262.76	7.42	81.12	80592.15	1150.93	130.64
13	Dhule	14017.01	0.25	0	11.50	0.00	0.00	14028.51	0.25	0
14	Nandurbar	13494.12	1.15	0.6	192.89	0.00	-0.60	13687.01	1.15	0
15	Jalgaon	32741.98	0.88	0	39.15	0.00	0.00	32781.13	0.88	0
Jalgaon Zone		60253.11	2.28	0.60	243.54	0.00	-0.60	60496.65	2.28	0.00
16	Rastapeth	1854.74	1408.25	33.508	0.00	40.06	0.00	1854.74	1448.31	33.508
17	Ganeshkhind	1609.34	1588.78	0	0.00	87.60	0.00	1609.34	1676.38	0
18	Pune Rural	14966.66	219.35	0	59.74	15.53	0.00	15026.40	234.88	0
Pune Zone		18430.74	3216.38	33.51	59.74	143.18	0.00	18490.48	3359.56	33.51
19	Baramati	17827.43	56.22	0	30.59	1.71	0.00	17858.02	57.93	0
20	Satara	24317.15	15.22	0	22.35	0.28	0.00	24339.50	15.50	0
21	Solapur	34490.15	137.76	0	15.05	4.55	14.52	34505.20	142.31	14.52
Baramati Zone		76634.73	209.20	0.00	67.98	6.54	14.52	76702.72	215.74	14.52
22	Sangli	25763.52	9.09	0	186.06	0.06	114.78	25949.58	9.15	114.779
23	Kolhapur	20065.89	209.54	0	145.69	0.46	20.13	20211.58	210.00	20.125
Kolhapur Zone		45829.41	218.63	0.00	331.75	0.52	134.90	46161.16	219.15	134.90
REST OF MAHARSHTRA		320266.14	12311.85	190.66	1209.58	213.65	235.29	321475.72	12525.50	425.95
27	Parbhani	16999.63	0.00	0.00	704.36	1.45	48.54	17703.99	1.45	48.54
28	Hingoli	14250.67	0.00	10	0.00	0.00	23.54	14250.67	0.00	33.54
29	Nanded	22705.00	4.51	0.00	23.99	-4.51	0.00	22728.99	0.00	0.00
Nanded Zone		53955.30	4.51	10.00	728.35	-3.06	72.08	54683.65	1.45	82.08
30	Beed	23585.38	0.00	0	254.48	0.00	33.86	23839.86	0.00	33.86
31	Osmanabad	21017.70	41.44	12.4	102.00	3.50	8.00	21119.70	44.94	20.40
32	Latur	19955.21	0.00	11.5	121.22	2.20	116.88	20076.43	2.20	128.38
Latur Zone		64558.29	41.44	23.90	477.70	5.70	158.74	65035.99	47.14	182.64
24	Aurangabad U	2453.36	74.31	103.06	21.21	1.70	58.65	2474.57	76.01	161.71
25	Aurangabad R	26246.57	1.64	9.6	23.35	0.00	19.94	26269.92	1.64	29.54
26	Jalna	15464.10	0.50	0	52.14	0.00	0.00	15516.24	0.50	0
Aurangabad Zone		44164.03	76.45	112.66	96.70	1.70	78.59	44260.73	78.15	191.25
MARATHWADA		162677.62	122.39	146.56	1302.75	4.35	309.41	163980.37	126.74	455.97
30	Buldhana	26591.47	17.01	168.95	128.59	0.00	0.00	26720.06	17.01	168.95
31	Akola	12971.72	8.77	189.2	58.18	2.65	0.00	13029.91	11.42	189.2
32	Washim	11083.60	0.00	121.94	168.89	0.00	0.00	11252.49	0.00	121.94
Akola Zone		50646.79	25.78	480.09	355.66	2.65	0.00	51002.45	28.43	480.09
33	Amravati	26822.20	189.83	184.84	75.20	0.30	8.40	26897.40	190.13	193.24
34	Yeatmal	25660.89	0.00	0	33.22	0.00	18.57	25694.11	0.00	18.57
Amravati Zone		52483.09	189.83	184.84	108.42	0.30	26.97	52591.51	190.13	211.81
35	NRC	21757.91	277.97	83.37	106.74	28.43	153.80	21864.65	306.40	237.17
36	NUC	7155.38	825.77	511.07	40.61	20.39	0.00	7195.99	846.16	511.07
37	Wardha	16838.18	4.24	0	83.35	0.00	14.50	16921.53	4.24	14.5
Nagpur Zone		45751.47	1107.98	594.44	230.70	48.82	168.30	45982.17	1156.80	762.74
38	Bhandara	8132.47	2.79	3.23	151.23	0.00	0.00	8283.70	2.79	3.23
39	Gondia	10124.17	6.00	0	335.40	0.00	1.84	10459.57	6.00	1.84
Gondia Zone		18256.64	8.79	3.23	486.63	0.00	1.84	18743.27	8.79	5.07
40	Chandrapur	10862.28	49.44	0	49.51	25.50	1.33	10911.79	74.94	1.33
41	Gadchiroli	10792.33	1.70	0	84.83	3.02	0.00	10877.17	4.72	0
Chandrapur Zone		21654.61	51.14	0.00	134.34	28.52	1.33	21788.96	79.66	1.33
VIDARBHA		188792.60	1383.52	1262.60	1315.76	80.28	198.44	190108.36	1463.80	1461.04
TOTAL FOR THE STATE		671736.36	13817.76	1599.82	3828.10	298.28	743.14	675564.46	14116.04	2342.97
Rest of Maharashtra		320266.14	12311.85	190.66	1209.58	213.65	235.29	321475.72	12525.50	425.95
Marathwada		162677.62	122.39	146.56	1302.75	4.35	309.41	163980.37	126.74	455.97
Vidarbha		188792.60	1383.52	1262.60	1315.76	80.28	198.44	190108.36	1463.80	1461.04
Total Region wise		671736.36	13817.76	1599.82	3828.10	298.28	743.14	675564.46	14116.04	2342.97

Substation & Switching Commissioned as on 31.03.2021

S.R.	Name of District	Total Nos of Substation & Switching		
		As on 31.03.2020	Added during 2020-21 till MAR-21	As on 31.03.2021
1	2	3	4	5
1	Mumbai	31	0	31
2	Thane	120	2	122
3	Palghar	58	2	60
4	Raigad	53	2	55
5	Ratnagiri	54	0	54
6	Sindhudurg	31	0	31
7	Nashik	223	3	226
8	Ahmednagar	221	3	224
9	Dhule	86	0	86
10	Nandurbar	59	0	59
11	Jalgaon	168	3	171
12	Pune	349	0	349
13	Satara	85	0	85
14	Sangli	140	0	140
15	Solapur	261	1	262
16	Kolhapur	129	0	129
Rest of Maharashtra		2068	16	2084
17	Aurangabad	149	4	153
18	Jalna	101	0	101
19	Parbhani	90	1	91
20	Hingoli	67	1	68
21	Nanded	144	1	145
22	Beed	158	2	160
23	Osmanabad	107	6	113
24	Latur	133	3	136
Marathwada		949	18	967
25	Buldhana	110	0	110
26	Akola	69	3	72
27	Washim	56	7	63
28	Amravati	113	1	114
29	Yeotmal	107	2	109
30	Nagpur	142	9	151
31	Wardha	57	2	59
32	Bhandara	40	0	40
33	Gondia	47	0	47
34	Chandrapur	74	3	77
35	Gadchiroli	33	2	35
Vidarbha		848	29	877
Total		3865	63	3928

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 MSEDCCL	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 2020-21)													
SR. NO.	District	Paid Pending as on 31.03.2020			Progress during FY 2020-21			Paid Pending as on 31.03.2021			Total Ag Consumers as on 31.03.2021		
		Conventional	MSKPY	TOTAL	Conventional	MSKPY	Total	Conventional	MSKPY	TOTAL	Conventional	MSKPY	Total
1	2			7	8	9	10	11	12	13	14	15	16
1	AKOLA	3808	405	4213	868	384	1252	4586	311	4897	64396	1720	66116
2	BULDHANA	4828	1436	6264	1187	1778	2965	6718	495	7213	162757	4016	166773
3	WASHIM	4508	1557	6065	967	2232	3199	6104	749	6853	62117	5127	67244
4	AMARAVATI	4247	589	4836	1364	573	1937	5196	207	5403	135021	1790	136811
5	YAVATMAL	7914	1271	9185	1966	1179	3145	9197	425	9622	119130	2446	121576
6	NAGPUR	4202	611	4813	1405	594	1999	4528	253	4781	95057	1674	96731
7	WARDHA	2921	593	3514	1110	383	1493	3801	282	4083	75271	912	76183
8	BHANDARA	2989	665	3654	1494	875	2369	3618	215	3833	48216	1615	49831
9	GONDIA	1953	341	2294	1167	339	1506	5282	124	5406	37163	951	38114
10	CHANDRAPUR	2670	302	2972	1018	142	1160	3403	240	3643	42030	1066	43096
11	GADCHIROLI	1654	761	2415	821	551	1372	2903	443	3346	34498	1643	36141
	VIDARBHA	41694	8531	50225	13367	9030	22397	55336	3744	59080	875656	22960	898616
12	AURANGABAD	6997	1992	8989	1515	3976	5491	7394	553	7947	224258	5870	230128
13	JALNA	8683	3390	12073	2474	9419	11893	7785	1015	8800	130884	14328	145212
14	BEED	7871	2784	10655	2702	5379	8081	7745	983	8728	174626	7776	182402
15	LATUR	4996	357	5353	1450	604	2054	7614	377	7991	128149	1029	129178
16	OSMANBAD	7618	1263	8881	2566	2818	5384	7358	249	7607	149535	3971	153506
17	HINGOLI	3502	826	4328	1492	2499	3991	3304	535	3839	75008	4396	79404
18	NANDED	7197	632	7829	2410	1292	3702	10308	265	10573	128774	2235	131009
19	PARBHANI	2945	1662	4607	801	3335	4136	4076	465	4541	96481	4658	101139
	MARATHWADA	49809	12906	62715	15410	29322	44732	55584	4442	60026	1107715	44263	1151978
	VIDARBHA & MARATHWADA	91503	21437	112940	28777	38352	67129	110920	8186	119106	1983371	67223	2050594
20	MUMBAI	0	0	0	0	0	0	0	0	0	0	0	0
21	THANE	181	16	197	112	21	133	161	20	181	6395	51	6446
22	PALGHAR	284	58	342	243	98	341	229	34	263	18990	209	19199
23	RAIGAD	156	77	233	162	87	249	176	34	210	18270	200	18470
24	RATNAGIRI	474	254	728	356	263	619	409	110	519	18169	639	18808
25	SINDUDURG	831	99	930	302	127	429	685	41	726	24622	213	24835
	KONKAN	1926	504	2430	1175	596	1771	1660	239	1899	86446	1312	87758
26	A-NAGAR	10625	480	11105	4726	1394	6120	7112	250	7362	372869	2366	375235
27	NASHIK	10209	697	10906	4090	1803	5893	6720	451	7171	331408	3873	335281
28	DHULE	5247	58	5305	1928	384	2312	3553	359	3912	93404	628	94032
29	JALGAON	6181	227	6408	3658	1064	4722	2973	450	3423	204564	1902	206466
30	NANDURBAR	1897	537	2434	910	1477	2387	813	461	1274	53651	1826	55477
	NORTH MAHARASHTRA	34159	1999	36158	15312	6122	21434	21171	1971	23142	1055896	10595	1066491
31	PUNE	6499	433	6932	4690	723	5413	7590	266	7856	297622	1502	299124
32	SATARA	9562	664	10226	6145	550	6695	9917	330	10247	187735	938	188673
33	SOLAPUR	9111	539	9650	5147	1040	6187	13527	539	14066	360831	1821	362652
34	KOLHAPUR	7261	315	7576	3560	291	3851	7063	126	7189	149050	777	149827
35	SANGLI	10241	184	10425	4665	159	4824	11161	88	11249	234504	352	234856
	WESTERN MAHARASHTRA	42674	2135	44809	24207	2763	26970	49258	1349	50607	1229742	5390	1235132
	REST OF MAHARASHTRA	78759	4638	83397	40694	9481	50175	72089	3559	75648	2372084	17297	2389381
	MSIEDCL	170262	26075	196337	694753	47833	117304	183009	11745	194754	4355455	84520	4439975