



ANNUAL ADMINISTRATION REPORT



FY-2023-24

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EXECUTIVE SUMMARY OF AAR-2023-24

New Sub-stations & Switching Stations as on March-2024

Voltage Level	As on 31.03.2023	Added During 2023-24	As on 31.03.2024
33/11 kV Substation	3582	42	3624
33/22 kV Substation	60	4	64
22/11 kV Substation	169	5	174
33 kV Switching Station	9	0	9
22 kV Switching Station	267	3	270
11 kV Switching Station	34	0	34
Total	4121	54	4175

Total Power Transformer as on March-2024

Voltage Level	As on 31.03.2023		Added During 2023-24		As on 31.03.2024	
	Nos.	Capacity (MVA)	Nos.	Capacity (MVA)	Nos.	Capacity (MVA)
33/11 kV	6177	34442.30	106	562.60	6283	35004.90
33/22 kV	109	827.50	6	30	115	857.50
22/11 kV	326	3155.00	12	105	338	3260
Total	6612	38424.80	124	697.60	6736	39122.40

Total Distribution Transformer as on March-2024

Voltage Level	As on 31.03.2023		Added During 2023-24		As on 31.03.2024	
	Nos.	Capacity (MVA)	Nos.	Capacity (MVA)	Nos.	Capacity (MVA)
3 Ø 33/0.415 kV	29	9.41	1	0.1	30	9.51
3 Ø 22/0.415 kV	75181	14967.84	3707	710.32	78888	15678.16
3 Ø 11/0.415 kV	687895	57179.21	70086	4483.10	757981	61662.31
1 Ø 11/0.240 kV	92085	2053.35	10119	212.23	102204	2265.58
Total	855190	74209.81	83913	5405.75	939103	79615.56



EXECUTIVE SUMMARY OF AAR-2023-24

Total Distribution Line network as on March-2024						
Voltage Level	As on 31.03.2023		Added During 2023-24		As on 31.03.2024	
	OH	UG	OH	UG	OH	UG
33 kV	48885	1669	608	78	49493	1747
22 kV	32246	5007	181	345	32427	5352
11 kV	342974	6189	9152	310	352126	6499
Arial Bunch Cable (HT)	96.02	--	0	0	96.02	--
415 V & Below	686624	15355	5790	817	692414	16172
Arial Bunch Cable (LT)	5623	--	2816	--	8439	--
Total	1116448	28220	18547	1550	1134995	29770

BRIEF PROGRESS OF VARIOUS SCHEMES

1. 33 kV and 22 kV lines and sub-stations commissioned during 2023-24

MSEDCL Commissioned 51 nos. of new (33/11kV, 33/22 kV) Sub-Stations and 3 nos. of new 22/22 kV Switching Stations under various schemes.

(Annexure-A to Annexure-L)

Sr.No.	Particulars	Achievement During 2023-24
1	Capacity added due to commissioning of new substations	330 MVA
2	Sub-transmission lines energized 33 kV, 22 kV, 11 kV	10674 Ckt-km

2. System Improvement Schemes:

Commissioning of 51 nos. of new substations and 3 nos. of switching substations during year 2023-24 will reduce distribution losses.

3. High Voltage Distribution System (HVDS)

- Government of Maharashtra vide G.R. dated 05.05.2018 has approved Ag HVDS scheme of Rs 5048.13 Crs, towards providing power supply to the Agriculture paid pending applicants as on 31 March 2018.
- Out of Rs 5048.13 Crs Government of Maharashtra has borrowed loan from Asian Development bank and provide financial support in terms of grant of Rs. 2248.13 Crs to MSEDCL for implementation of HVDS scheme for Vidharbha & Marathwada.
- For rest of Maharashtra Rs. 2800 Crs loan approved by GoM & MSEDCL has borrowed loan from Punjab National Bank & Punjab & Sind Bank.
- GoM vide G.R. dated 15.09.2021 has given approval to revised scheme cost Rs.4734.61 Crs. (Grant Rs 2717.14 Crs & loan Rs 2017.47 Crs) of HVDS scheme and vide GR Dt. 20.10.2023 also granted time limit extension to HVDS scheme till March-24.
- Under HVDS Scheme on a single distribution transformer (10/16/25 kVA) one or maximum two Ag pumps connections are given.

ADVANTAGES:

- Reliable and uninterrupted Power Supply
- Reduction in electrical accidents
- Reduction in distribution losses
- Reduction in Distribution Transformer failure

Progress of HVDS Ag Connection works

Name of Region	Ag Paid pending consumer as on 31.3.2018	DTC Commissioned	Ag Connection Released
Vidarbha & Marathawada	77,143	75,386	77,143
Rest of Maharashtra	61,687	60,311	61,687
MSEDCL	1,38,830	1,35,697	1,38,830

Progress of HVDS Substation works

Name of Region	New Substation		Add/Aug Power Transformer		Capacitor Bank	
	Scope	Ach.	Scope	Ach.	Scope	Ach.
Vidarbha & Marathawada	63	63	34	34	12	12
Rest of Maharashtra	30	30	21	21	1	1
MSEDCL	93	93	55	55	13	13

4. Non-Conventional Sources of Energy:

In order to fulfill the RPO Obligations, MSEDCL procures power from renewable energy sources. As per Policies of Government of Maharashtra and Government of India, MSEDCL has actively participated in the renewable energy development and has signed long term PPAs of 17105 MW Capacity of Renewable Energy as on 31.03.2024 out of which 10200 MW capacity is commissioned.

MSEDCL has shifted purchase of Renewable Energy from December-2017 to competitive bidding process as against of earlier purchase on preferential tariff which is comparatively on higher side. Due to purchase on competitive bidding followed by e-reverse auction MSEDCL able to reduce the rates thereby reducing the power purchase cost marginally.

4.1 Wind Energy projects:

Wind is a major & vital source of Renewable Energy. MSEDCL has total contracted capacity of wind power projects selling power to MSEDCL through long term EPA as on 31.03.2024 is 3451 MW out of which 2823 MW capacity is commissioned.

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 2791 MW as on 31.03.2024 out of which 2690 MW projects are commissioned.

During FY-2023-24, PPAs for 180 MW Bagasse based projects were executed & projects of 216 MW capacity are commissioned.

4.3 Biomass IPP Projects:

MSEDCL has executed EPA with installed capacity to the tune of 37 MW as on 31.03.2024 and all projects are commissioned.

4.4 Small Hydro Projects:

Hydro Projects upto 25 MW capacity are considered as Small Hydro Power projects and are considered as Renewable Energy 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 31.03.2024 is 317.33 MW out of which commissioned capacity is 314.13 MW.

4.5 Solar Projects:

Solar is the major & very important source of Renewable Energy. Currently Central & State Govt. has stressed very much on purchase of solar power. Further MERC has also set the ambitious targets of Solar RPO with yearly incremental growth.

Solar Projects are categorized in Centralised & Decentralised source. Centralised projects are categorized are those which are grid connected & are connected on high tension levels (above 33 KV level). Whereas Decentralised projects are categorized are those which are grid connected & are connected on 11 KV voltage levels which is also called as feeder solarisation projects.

As on 31.03.2024, MSEDCL has executed PPAs for 8724 MW Solar (total=Centralised+Decentralised) projects out of which 4331 MW capacity is commissioned. During FY 2023-24, MSEDCL has executed PPAs for 2854.7 MW Solar projects & projects of 128.5 MW capacity is commissioned.

a. Centralised Projects:

MSEDCL has executed long term EPA/PPAs with Solar Power Project Developers under various schemes of GoI, MSPGCL and selected through competitive bidding process for centralized solar capacity for meeting solar RPO targets. As on 31.03.2024, MSEDCL has executed PPAs for 6931 MW Centralised solar projects out of which 3706 MW capacity is commissioned.

b. De-centralised Projects:

In order to provide day time power supply to agriculture consumers Govt. of Maharashtra in Jan-2017 declared Mukhyamantri Saur Krishi Vahini Yojana (MSKVY) through which 11 KV Agriculture feeder are solarized. As on 31.03.2024, MSEDCL has executed PPAs for 1793 MW with decentralised solar projects out of which 625 MW capacity is commissioned.

4.6 Mukhyamantri Saur Krishi Vahini Yojana (MSKVY) (Decentralised Solar Scheme):

1. MSEDCL is implementing Mukhyamantri Saur Krishi Vahini Yojana (MSKVY) announced by Govt. of Maharashtra vide G.R. 14.6.2017 & 17.03.2018 by installing decentralized & Inter/Intra State Grid connected solar power projects for giving day time power to farmers.
2. This scheme has manifold benefits which are as under,
 - i. Farmer will get good quality day time power supply.
 - ii. Reduced peak energy demand
 - iii. Saving the transmission & distribution network losses due generation at distribution point.
 - iv. Increase in consumer satisfaction.
 - v. To fulfill RPO Targets.

MSEDCL has contracted total 1531 MW capacity under MSKVY and around 612 MW capacity is commissioned as on 31.03.2024. Day time power supply is made available to approximately 102642 farmers on around 243 distribution feeders.

4.7 Mukhyamantri Saur Krishi Vahini Yojana 2.0 for implementation of PM-KUSUM Component C (MSKVY 2.0) (Decentralised Solar Scheme):

MSEDCL is implementing MSKVY 2.0 announced by GoM on dated 08.05.2023. MSKVY 2.0 program envisages solarization of 30% agricultural feeders by 2025. That translates into contracting solar power capacity of 7000 MW by December 2025.

To achieve above objectives, the MSKVY2.0 scheme aims to facilitate faster capacity addition in “Distributed RE Mode”. It would interconnect solar PV projects of appropriate size to source enough solar energy to meet supply requirement for agriculture use. This program aims to reduce cost to serve agriculture consumers in Maharashtra. This will reduce the cross-subsidy burden on the Industrial and Commercial consumers.

To further encourage the distributed RE projects under MSKVY 2.0 scheme, following incentives will be extended through the Nodal Agency by GoMH from Green Cess Fund:

1. The projects injecting energy at 11 kV bus bar shall be given an incentive of Rs. 0.25/ kWh and for 33 kV bus bar shall be given an incentive of Rs. 0.15/ kWh for the power sold to MSEDCL for first 3 years, provided the projects have executed PPAs before Dec-2025; and they are commissioned within the timeline as stipulated in the PPA.
2. Grant of up to Rs. 25 Lac per substation for relevant strengthening shall be given to MSEDCL to accommodate projects under MSKVY2.0 scheme.
3. A social benefit grant of Rs. 5 Lakhs/year shall be given to the Gram panchayats in whose area the solar projects are installed under this program. Such grant will be provided for 3 years from the commissioning of such projects.
4. MSEDCL has issued LoA for 9155 MW under MSKVY 2.0 - Scheme launched for implementation of feeder level solarisation under PM-KUSUM Component-C scheme.

4.8 Pradhan Mantri Kisan Urja Suraksha evem Utthan Mahabhiyan (PM-KUSUM) :-

On the lines of MSKVY Scheme, MNRE vide order dated 13.01.2021 has declared 1.7 Pradhan Mantri Kisan Urja Suraksha evem Utthan Mahabhiyan (PM-KUSUM).

a. PM-KUSUM Component-A:

1. MNRE vide order dated 13.01.2021, MNRE given sanction of 500 MW capacity of De-centralized Grid connected 0.5 MW to 2 MW capacity solar power plant under Component-A of PM-KUSUM scheme.
2. MSEDCL floated a tender for procurement of 500 MW Solar Power under PM-KUSUM scheme-component-A. MSEDCL has contracted capacity of 154 MW capacity, LoA for 49.75 MW are issued & 2 MW commissioned.

b. PM-KUSUM Component-B

MNRE has sanctioned 4.05 lakh off-grid solar pump for Maharashtra State. Under the said scheme, 2,00,000 solar agricultural pumps will be installed through MSEDCL. Letter of Award to 38 vendors have been issued.

13.5% of total number of pumps are reserved for Scheduled Caste and 9% is reserved for Scheduled Tribes The remaining 77.5% is for general category beneficiaries.

For installing solar agricultural pumps under the scheme, the general category farmers have to pay 10 % of the pump price and the scheduled caste and scheduled tribe category farmers have to pay 5% of the pump price as beneficiary share. 30% Central Government share will be made available as per the benchmark cost decided by the Ministry of New and Renewable Energy. Also, the rest of the funds will be available through the State Government and Additional Tax on Sale of Electricity (TOSE) towards Government share.

Total 11335 solar agricultural pumps installed as on 23.04.2024.

c. PM-KUSUM Component-C

1. MNRE under PM-KUSUM Component-C to MSEDCL has sanctioned 775000 nos. of Ag pumps.
2. MSEDCL has floated tender for procurement of solar power for 2,50,000 nos (1200 MW) of Ag pumps under feeder level solarisation under PM-KUSUM- Component-C wherein contracted capacity is 108 MW & commissioned capacity is 11.5 MW.

3. MSEDCL has issued LoA for 9155 MW under MSKVY 2.0 - Scheme launched for implementation of feeder level solarisation under PM-KUSUM Component-C scheme.

4.9 Land Portal:

MSEDCL has developed a land portal in which any farmer or similar person can offer their land for setting up of decentralized solar projects. Hon'ble Chief Minister, Maharashtra, has inaugurated the Land Portal for Public Use under Agriculture policy on 27.01.2021. MSEDCL offered a nominal lease of Re. 1 / - for 30 years for Government Land in line with Government Resolution and for Private lands, the offered lease rate is of Rs. 30,000 per acre per year (+3% escalation per annum).

These land details are being displayed on MSEDCL's tenders for decentralized solar projects. The prospective bidder may choose these lands and lease agreement will be executed between the land owner & successful bidders who will select the land from land portal. In such a case, MSEDCL will pay land lease directly to the land owner from deducting the amount from contracted generator's generation bill as per its lease agreement.

5. RURAL ELECTRIFICATION 2023-24:

5.1 Energization of Agricultural Pumps:

MSEDCL has energized **1,12,942** agricultural pump (Conventional 1,05,799 Nos. & Solar 7,143 Nos.) sets during the year 2023-24. Total pumpsets energized in the State are **48,69,036** up to Mar-2024. **(Annexure-N)**

5.2 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. (Details of Districtwise funds allocated is attached in **Annexure-O**)

Ag pumps energisation in backlog districts is carried out alongwith other related work such as HT Line, LT line & DTC erection. Under this programme, total **2,94,307** nos. of Ag pumps are energized as on March-2024. Backlog target of Ag pump energization has been completed in Marathwada, Vidarbha and Rest of Maharashtra. However in Ratnagiri District the backlog target of 3002 nos. of Ag pumps is balance as on March-2024 due to very less demand of new Ag pumps. In Ratnagiri District, total paid pending as on March-2024 is only 335 nos. (Districtwise progress of removal of backlog of Ag Pumps energization is attached in **Annexure-P**).

5.3 DPDC (District Planning and Development Committee):

(Annexure-Q & R)

a) NON-TRIBAL (GENERAL):

This scheme is executed for the benefit of the common people. The work of general electrification such as new connections and System Improvement work are carried out from this fund. The district wise yearly plan under this scheme is approved by GoM. Every year GoM allocates funds (Grants) under DPDC scheme for each district.

Under this scheme, residential connections, Ag. Connections, PWW, Industrial connections are released. Fund provision is Rs. 774.41 for FY 23-24. The Progress as on February 2024 under this scheme is as below-

Sr. No.	Funds Received for FY 23-24 (Rs. In Crs)	Expenditure incurred (Rs. In Crs)	Progress as on February-2024			
			Domestic Connections	Ag Connections	Distribution Transformer Center	WadiPada Electrified
1	69.33	39.95	209	21	181	3

b) SPECIAL COMPONENT PLAN:

This is district wise yearly plan approved by GoM for benefit as well as economical development of Scheduled Caste & Nav Buddha beneficiaries. The main condition of this plan is that funds should be exclusively used for Scheduled Caste & Nav-Buddha beneficiaries. Every year GoM allocates funds (Grants) under DPDC SCP scheme in State Budget.

Under this scheme, residential connections & Ag. Connections to Scheduled Caste & Nav-Buddha beneficiaries are released & street light connections in dalitbastis are the main works carried out under this plan. Fund provision is

Rs. 187.87 for FY 23-24. The Progress as on February-24 under this scheme is as below-

S. No.	Funds Received for FY 23-24 (Rs. In Crs)	Expenditure incurred (Rs. In Crs)	Progress as on Feb-2024			
			Domestic Connections	Ag Connections	Distribution Transformer Centers	HT Line (km)
1	20.14	7.90	28	166	154	61.49

c) TRIBAL SUB PLAN (TSP):

The objective of GoM for implementing this scheme is to fill gap of development between Tribal and non tribal area, to improve living status of Tribal people, to increase rate of social as well as economical development of Tribal people. The district wise yearly plan under this scheme is approved by GoM.

The scheme is executed in area notified as Tribal Sub-Plan (TSP) area. In this scheme, Ag pump energization, domestic connection in these notified areas and electrification of wadi/pada is carried out. Fund provision is Rs. 82.98 for FY 23-24. The Progress as on February-24 under this scheme is as below-

S. No.	Funds Received for FY 23-24 (Rs. In Crs)	Expenditure incurred (Rs. In Crs)	Progress as on Feb-24			
			Domestic Connections	Ag Connections	Distribution Transformer Center	WadiPada Electrified
1	2.66	1.75	30	-	7	2

d) OTHER THAN TRIBAL SUB PLAN (OTSP):

The objective of GoM for implementing this scheme is to fill gap of development between Tribal and non tribal area, to improve living status of Tribal people, to increase rate of social as well as economical development of Tribal people. The district wise yearly plan under this scheme is approved by GoM.

The scheme is executed in area notified as other than Tribal Sub Plan (OTSP) area. In this scheme, Ag pump energization, domestic connection in these notified areas and electrification of wadi/pada is carried out. Fund provision

is Rs. 35.99 for FY 23-24. The Progress as on February-24 under this scheme is as below-

S. No.	Funds Received for FY 23-24 (Rs. In Crs)	Expenditure incurred (Rs. In Crs)	Progress as on Feb-24			
			Domestic Connections	Ag Connections	Distribution Transformer Centers	Wadi Pada Electrified
1	1.39	0.70	1	20	12	-

5.4 PM JANMAN (Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan)

- Hon'ble PM launched Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan (PM-JANMAN) on Janjatiya Gaurav Divas on 15th November, 2023 at District of Jharkhand. This mission aims at the targeted development of 75 particularly Vulnerable Tribal Groups (PVTGs) residing in the 18 States and the Union Territory of Andaman and Nicobar Islands.
- The Government of India has decided that all identified PVTG beneficiary HHs under PM-JANMAN Scheme for PVTG development mission for on-grid / off-grid electricity connection shall be eligible for funding under RDSS (Revamped Distribution Sector Scheme) as per the scheme guidelines.

Scheme Features:

- PVTG Categories in Maharashtra – 1) Katkari, 2) Kolam, 3) Maria Gond.
- Eligible Items for coverage under Household Electrification DPR: HT and LT lines, DTs of appropriate capacity with DT meter, Service cable, single phase electricity connection (prepaid/ Smart prepaid consumer meter) and its accessories.
- Cost: A ceiling cost at DISCOM of Rs 85,000 (inclusive of all costs) for electrification of UE PVTG HH and Rs. 42,500 (inclusive of all costs) for electrification of PE PVTG HH. Such electrification would include all works necessary for grid extension and also the individual service connection. Further, if the average cost of grid electrification at Discom level exceeds the ceiling amount, the state may supplement the additional cost or deploy off-gridsystems for such HHs through MNRE.
- Grant: GOI and the State Govt. share for distribution infrastructure works would be as per norms under RDSS.
- Eligibility of Households: All households identified by Ministry of Tribal Affairs and verified by DISCOM as un-electrified shall be eligible for electrification under this scheme.
- Fund Release:
 - Stage- I: 50% of the approved GBS upon approval of HHs Electrification DPR. b.

- Stage- II: Balance 50% of eligible GBS connection to the household is energized and consumer details (Consumer Name, Consumer Address, Consumer No, Connection release date, Meter No etc.) along with GIS details are submitted by the DISCOM.
- DISCOM to submit relevant details as generated from the DISCOM's billing system for fund release under RDSS.
- Nodal Agencies shall upload the details on the RDSS Web-portal under separate head for PVTG household electrification.
- Further, these funds would be released irrespective of the qualification of DISCOMs in annual evaluation under RDSS.

Scheme Objective:

Electrification of PVTG Habitations & Households. **(Annexure-S)**

5.5 SSMR (System Strengthening Scheme):

MSEDCL is implementing System Strengthening in Metropolitan Region (SSMR) -scheme in Financial Year 2018-19, 2019-20 & 2020-21 with total capital cost of Rs.438 Crores to strengthen existing distribution network and reduce power supply interruptions in high revenue pocket areas in Mumbai & Pune Metropolitan Region consisting of Bhandup, Kalyan& Pune Zones.

The objectives of the scheme are:

- a) Strengthening & Augmentation of existing distribution network.
- b) To reduce power supply interruptions in High Revenue pocket areas of Mumbai & Pune Metropolitan Regions.
- c) Replacement of existing feeder pillars with RMUs and providing RMUs at multiple locations for easier load diversion, fault isolation & minimizing interruption area.
- d) Laying of additional link lines for conversion of existing Radial network to Ring Mains.
- e) To replace old, corroded and deteriorated aging infrastructure like Electric Poles, Feeder Pillars, Conductors, etc to reduce frequent power supply interruptions.

The Board has accorded approval to the scheme vide Board Resolution No. 1480 dtd. 12.10.2018 for the amount of Rs.438 crs.

The loan from M/s. REC Ltd. Of Rs.438 crs. have been taken for execution of the project. MERC has accorded in-principle approval to the scheme vide letter No. MERC/CAPEX/2019-20/9170/, Date: 22-10-2019.

The following benefits are envisaged from the scheme:

- a) 24x7 reliable power supply to consumers in high revenue pocket areas.

- b) Reduction of power supply interruptions and breakdowns.
- c) Reducing overloading of existing network and meeting load of prospective consumers.
- d) Meeting Universal Supply Obligation.

41 Nos. of full turnkey tenders for execution of project are floated and work is in progress.

Sr. No.	Description	Unit	Total	
			Scope	Completed
1	Installation / Replacement of R.M.U.	Nos.	566	559
2	HT Lines	Kms	838.4	761.82
3	LT Lines	Kms	440.42	426
4	Replacement of Poles	Nos.	599	599
5	Replacement of Feeder Pillars	Nos.	678	678
6	Replacement of Dist. Box	Nos.	650	648
7	Replacement of AB Switches	Nos.	396	379
8	Installation of Multi Meter boxes	Nos.	1798	1798
9	DTC New / Augmentation	Nos.	282	282
10	Substation	Nos.		
A		Nos.	10	7
B	Additional / Augmentation	Nos.	6	6
	Expenditure (Rs. In Crores)		438	369.05

5.6 RDSS (Revamped Distribution Sector Scheme)

The Central Government has approved a Revamped Distribution Sector Scheme- a Reforms-based and Results-linked Scheme with an outlay of Rs.3,03,758 crore over a period of five years from FY 2021-22 to FY 2025-26 with the objective to improve the quality, reliability and affordability of power supply to consumers through a financially sustainable and operationally efficient distribution sector. The Scheme aims to reduce the AT& C losses to pan-India levels of 12-15% and ACS-ARR gap to zero by 2024-25 by improving the operational efficiencies and financial sustainability of all DISCOMs/ Power Departments excluding Private Sector DISCOMs.

DISCOMs/ Power Departments would be able to access funds under the Scheme for Pre-paid Smart Metering, System Metering and Distribution infrastructure works for loss reduction and modernisation. The financial assistance for Distribution infrastructure works under the Scheme would be

subject to meeting pre-qualifying criteria as well as upon achievement of basic minimum benchmarks by the DISCOM and evaluated on the basis of Action plans.

The Scheme provides for annual appraisal of the DISCOM performance against predefined and agreed upon performance trajectories including AT&C losses, ACS-ARR gaps, infrastructure upgrade performance, consumer services, hours of supply, corporate governance, etc. DISCOMs have to score a minimum of 60% of marks and clear a minimum bar in respect to certain parameters to be able to be eligible for funding against the Scheme in that year.

Implementation of the Scheme would lead to consumer empowerment by way of prepaid Smart metering to be implemented in Public-Private-Partnership (PPP) mode and leveraging Artificial Intelligence to analyze data generated through IT/OT devices including System Meters, prepaid Smart meters to prepare system generated energy accounting reports every month to enable DISCOMs to take informed decisions on loss reduction, demand forecasting, Time of Day (ToD) tariff, Renewable Energy (RE) Integration and for other predictive analysis.

The Scheme has a major focus on improving electricity supply for the farmers through separation of agriculture feeders and for providing day time electricity to them by convergence with Pradhan Mantri Kisan Urja Suraksha Evam Utthan Mahabhiyan (PM-KUSUM) Schemeforsolarisation of agriculture feeders.

MSEDCL has submitted the Detailed Project Report of Rs. 43,807 Crores (Smart Metering: Rs. 15,309 Crores and Loss Reduction & System Strengthening: Rs. 28,498 Crores) for Approval.

The Govt. of India accorded approval for Phase-I (Smart Metering Works & Loss Reduction Works) amounting Rs. 27,697 Crores on Dt. 22.09.2022. Tenderisation & issuance of LoA is under process for these approved works of Phase-I (Smart Metering Works & Loss Reduction Works).

Work Orders are issued to the successful agencies as below:

- Loss Reduction Works : Rs. 5,673 Crores
- Feeder Separation Works : Rs. 7,235 Crores
- Smart Metering Works : Rs. 28,996 Crores
- IT/OT Works : Rs. 95 Crores

5.7 MSKVY 2.0 (System Strengthening works) scheme:

- Vide GR No. Saur prakalp-2023/Sr.No.95/Urja 7 dated 08.05.2023, under MSKVY 2.0 sanction is given for system strengthening and power transformer capacity addition works.

- MSKVY 2.0 program envisages solarization of 30% agricultural feeders by 2025. That translates into contracting solar power capacity of 7000 MW by December 2025 which would be given reliable day-time electricity for to the farmers. For Effective implementation of MSKVY 2.0 and to provide day time power supply to all agriculture consumers, strengthening of infrastructure and capacity addition at existing substations is required.
- Under MSKVY 2.0 total 2732 nos. of substations are identified by MSEDCL for solarization of Ag feeders for giving day time power supply to farmers. For strengthening of existing substations, Sub-transmission and Distribution network, the works like replacement of Breakers, To strengthen the protection system, CT/PT replacement, Installation of Capacitor bank, Enhancement of Power transformer capacity etc. is to proposed in MSKVY 2.0 scheme.
- This Scheme is valid from 2023-24 to 2028-29.
- The system strengthening and capacity addition works at existing substations will be useful to evacuate solar power effectively from decentralized solar projects within 5 -10 Km radius from Ag load dominated substations. The benefits of AG feeders solarization are as below:
 - Fulfillment of RPO obligations.
 - Strengthening /Capacity enhancement of existing substations.
 - Strengthening of distribution network/ AG feeders.
 - Localized generation leading to reduction in losses and improvement in voltage profile.
 - Reliable day time supply to Ag consumers
- The progress of the system strengthening works under MSKVY 2.0 as on today is as below:
 - Replacement of VCB : 196 Nos.
 - Installation of 11 KV APFC panel : 11 Nos.
 - Installation/Replacement of Isolators : 751 Nos.
 - Replacement of CT/PT : 741 Nos.
 - Replacement of Battery Charger/ Battery Set : 380Nos.
 - Replacement of ralay : 472 Nos

- Equipment Earthing : 685 Nos.
- 33 KV Line upgradation : 10 Km
- 11 KV 300 Sq mm cable : 8 Km

6. Electric Vehicle Charging Station:

EV Policy-2021-

- GoM has taken initiative for increase the use of electric vehicle by the year 2025. Accordingly EV policy 2021 is declared by GoM on 23 July 2021.
- **Objective:**
 - To have 10% of new vehicle registration as battery electric vehicle in Maharashtra till 31 March 2025.
 - Target of at least 25% of the public transport vehicles in the six polluted city of the state Mumbai, Pune, Nagpur, Amravati, Aurangabad and Nashik should be of battery electric type up to year 2025
- EV policy outlay :Rs. 930 Crores.
- Incentive arrangement of Rs 40 Crs. has been made for electric charging infrastructure.
- MSEDCL has been appointed as SNA (State Nodal Agency) for roll out mechanism of charging infrastructure in Maharashtra state.
- Progress of MSEDCL EV station at various prime locations of Maharashtra is as below:

S.No.	Name of Prime Location where EV stations to be installed by MSEDCL	Nos. of EV Station as on 31.03.2023 (in Nos.)
1	Thane	11
2	Navi Mumbai	12
3	Nashik	2
4	Aurangabad	2
5	Pune	23
6	Solapur	2
7	Nagpur	6
8	Kolhapur	1
9	Amravati	2
10	Sangli	1
11	Bandra Mumbai	1
Total		63

- Electric vehicle charging station (EVCS) incentive disbursement Web portal and mobile app is developed by MSEDCL.
- EV charging station 3083 nos have been commissioned in the State. All EVCS are available on Bureau of Energy Efficiency (BEE) Web Portal EV Yatra <https://evyatra.beeindia.gov.in/>

7. Rooftop Solar System :

Installed Rooftop Solar Capacity in MSEDCL

Maharashtra Electricity Regulatory Commission had notified MERC (Net-Metering Regulations-2015) in 2015. As on 24.04.2024, 2030 MW capacity of Solar roof top system is installed. The category wise installed capacity is as under:

Consumer category	No. of Consumers	Capacity (MW)
Residential	107123	626
Industrial	5561	799
Commercial	19260	319
Others	7756	286
Total	139500	2030

MNRE's Rooftop Solar Phase-II Scheme

- Ministry of New and Renewable Energy (MNRE) vide its O.M. dtd. 20.08.2019 has issued the guidelines for Implementation of Phase-II Grid connected Rooftop Solar Program for achieving the cumulative capacity of 40000 MW from rooftop solar (RTS) projects.
- Distribution Licensees will act as Nodal Agency for implementation of this Program. The program provides Central Financial Assistance (CFA) for the Residential Consumers and Group Housing Societies to set up Rooftop Solar. The CFA will be provided as:

Sr. No.	Capacity of Solar Rooftop System	CFA (as percentage of benchmark cost or cost discovered through competitive process whichever is lower)
<u>For Residential Consumers</u>		
1	Maximum up to 3 kW capacity	40%
2	Above 3 KW to 10 KW	40% up to first 3 Kw Plus 20% above 3 kW and up to 10 kW
<u>For Group Housing Societies and Residential Welfare Associations</u>		
3	For Common facilities up to 500KW	20%

- Consumer will pay the vendors after deducting the eligible CFA amount from applicable Rooftop Solar System cost. After successful commissioning of RTS System MNRE will pay CFA to agencies through MSEDCL.
- MSEDCL has upgraded its Online Application Portal for consumers to apply for this program and this portal is integrated with MNRE's SPIN portal also.

Rooftop Solar Phase-II Scheme – 25 MW

- MNRE had approved the target of 25MW for FY 2019-20 for MSEDCL on 02.01.2020.
- Time limit for 25 MW target was up to 01/01/2022 and 2.527 MW capacity is installed for 650 consumers.

Rooftop Solar Phase-II Scheme – 50 MW

- MNRE has approved target of 100MW to MSEDCL for FY 2021-22 vide order dated 10.01.2022. Timeline is 24 months.
- Timeline is 24 months i.e. 18.01.2024.
- As on 24.04.2024, Installation is completed for 6876 consumers with installed capacity of 32.01 MW.

Information related to MNRE Phase-II Rooftop Solar Program

- All the information related to MNRE Phase-II Rooftop Solar Program is made available on
<https://www.mahadiscom.in>

RTS - National Portal for Rooftop Solar :

1. MNRE has launched National Portal for Rooftop Solar Programme Ph-II for residential consumers. (<https://solarrooftop.gov.in>)
2. For empanelment ,venders required to submit PBG of Rs 2.5 lakhs with validity for 5 years
3. Total 720 vendors are empanelled on National Portal for Rooftop Solar till date.
4. National Portal & MSEDCL portal are yet to be integrated.
5. Till integration the applicant will have to submit parallel application on MSEDCL portal.
6. Third option of 'Applied at National Portal' tab is created in MSEDCL portal .
7. MSEDCL will process the application in line with Non-MNRE procedure.
8. CFA will be credited to beneficiaries' bank account directly.
9. Under this installation of RTS of 36152 consumers totalling to 173.61 MW is commissioned till 24.04.2024.

PM-Suryaghar : Muft Bijli Yojana :

Government of India launched PM –Surya Ghar : Muft Bijli Yojana on dt.13 February 2024. (<https://pmsuryaghar.gov.in>)

As on 24.04.2024, Installation is completed for 2396 consumers with installed capacity of 10.33 MW.

Subsidy for residential households is Rs. 30,000/- per kW up to 2 kW and Rs. 18,000/- per kW for additional capacity up to 3 kW with capping of Rs 78,000 for systems larger than 3 kW capacity .

Subsidy for Group Housing Society/ Resident Welfare Association (GHS/RWA) is Rs. 18,000 per kW for common facilities, including EV charging, up to 500 kW capacity (@3 kW per house) with the upper limit being inclusive of individual rooftop plants installed by individual residents in the GHS/RWA.

8. National Cyclone Risk Mitigation Project:

- **Objective :** To reduce the vulnerability of coastal communities across India to cyclones and other hydro-meteorological hazards.
- NCRMP is a Government of India Project : Financed by World Bank.
- One component is conversion of overhead electrical infrastructure to underground.
- Rs. 203.00 Crs is in the form of grant for MSEDCL (75% GoI and 25% GoM).
- Government of Maharashtra is the State Project Implementing Agency (SPIU).Tenderization process and Contract to Agency has been done by SPIU,GoM.
- This project is being implemented under MSEDCL supervision.
- **Details of Project:**

Particulars	Alibag	Ratnagiri	Saatpati
Contractor Name	M/s. Leena Powertech Engineers Pvt. Ltd.		
LoA Date	13.06.2019	06.09.2019	06.09.2019
Contract Value	Rs. 88.87 Cr.	Rs. 97.01 Cr.	Rs. 18.15 Cr.
Revised Duration	3.5 Year	3.4 Year	3.4 Year

- NCRMP Project Present has been completed 100 % . The details of work executed is shown in (**Annexure-T**).

9. Konkan Disaster Mitigation Project (Konkan Aapatti Sommyikaran Prakalap)

- After Nisarg cyclone, meeting was held in Mantralaya and instructions have been received from the Government of Maharashtra to submit additional project reports for the coastal villages. Accordingly, additional project report of Rs. 2784.27 Crore has been submitted to the government on 03.09.2020.
- After Tauktae cyclone, meeting was held on 27th May 2021 and instructions have been received from the Government of Maharashtra to submit the project report of the underground power distribution system in the cyclone and affected areas. Accordingly, additional project report of Rs. 1116.52 Crore has been submitted to the Government on 10.06.2021.
- GoM has issued G.R. dtd, 10.11.2021, making provision of Rs. 3200 Crs. for various works under Disaster Management including Underground Cable Network works.
- The funding arrangement is for the year 2022-2025 (4 years)
- As per instructions of District Collectors, the concerned MSEDCL Circle office had prepared estimates for conversion of existing overhead lines to underground cabling network. Districts viz: Thane, Palghar, Ratnagiri, Raigad and Sindhudurg submitted proposals to the Disaster Management Dept. GoM for underground cabling works.
- GoM, R&R Department has accorded approval for proposal for funds allocation of funds amounting 1824.80 Cr. District wise details of funds allocation are as below:

Sr. No.	District	Funds allocation (Rs. Cr.)
1	Thane	125.19
2	Palghar	199.94
3	Ratnagiri	299.99
4	Raigad	699.68
5	Sindhudurg	500.00
Total		1824.80

- R&R department, GoM has allotted following works to Energy Department and two PSU's vide G.R. dated 14.09.2023:

Implementing Agency	District	Cost (Rs. Crore)
MSEDCL	Sindhudurg (Malvan, Deogad, Kudal, Vengurla)	408.19
M/s HLL Lifecare Ltd.	Raigad (12 Locations- Alibag -1, Alibag-2, Pen, Mahad, Mahsala, Poladpur, Shrivardhan, Tala, Mangav, Uran, Murud, Roha), Sindhudurg (Achara)	791.48
M/s TCIL	Ratnagiri (08 Locations- Ratnagiri Urban, Ratnagiri Rural-1, Ratnagiri Rural-2, Rajapur-1, Rajapur-2, Dapoli-1, Dapoli-2, Madangad), Palghar, Thane (09 Locations- Thane-2, Kalyan East, Kalyan West, Dombivali, Kalyan, Ulhasnagar, Badalapur-1, Badalapur-2, Vashi)	625.13
		1824.80

- The Detailed Project Report(DPR) along with Technical sanctioned copy for MSEDCL works has been submitted to DMU, R & R department on 07.11.2023.
- Department of Revenue and Forests (DM, R&R), GoM vide letter dated 17/01/2024 has given administrative approval for the work of underground cabling works of Energy Department at 4 locations under Sindhudurg district.
- Accordingly, tender for Sindhudurg Circle Rs. 320.03 crore has been published on dt. 23/01/2024 and is under process.

10. Ag connection Policy 2020 :

For giving connections to the paid pending Ag pumps and Ag applications pending for approval after March-2018, GoM has sanctioned Ag Pump connection Policy – 2020 vide Gr No. Sankirn-2020/Pra.Kra.121/Urja-5, dated 18.12.2020.

According to the policy,

1. New Ag pump applicants whose distance of Ag pump **is within 30 mtr** from the nearest LT line pole and there is sufficient spare capacity available on Distribution Transformer, connection will be given **within 1 month** to all such Ag applicants.

2. New Ag pump applicants whose distance of Ag pump is **within 200 mtr** from the nearest LT line pole and there is sufficient spare capacity available on Distribution Transformer, connection will be given **by LT AB cable within 3 months** to all such Ag applicants. However, initially the applicant has to erect the LT line required on his own cost and the expenditure incurred will be refunded to the consumer through his energy bill.
3. New Ag pump applicants whose distance of Ag pump is **more than 200 mtr** from the nearest LT line pole, following option will be available for such consumers,
 - a) If the distance of Ag pump **is more than 600 mtr** from the nearest HT line pole, applicant can take **Off Grid solar** connections. 5 lakh solar pumps will be installed in next 5 years with the target of 1 lakh solar pumps per year under Mukhyamantri sour Krushi Pump Yojna.
 - b) Applicant can take connection on HVDS. For that, Consumer himself or jointly with others, (maximum 2 applicants) can erect required HT line and 1 Distribution Transformer and the expenditure incurred upto 600 mtr will be refunded to the consumers through their energy bills. The refund will be limited to the amount of the sanctioned estimate.
 - a. If Consumer **has no capability to do the work as per “b” above** and if the distance of his Ag pump is within 600 mtr from the HT line, to such consumer connections will be given on **First Come First serve basis** as per availability of funds.

Under this policy, total 2,57,569 nos. of Ag pumps connections are given upto 27.04.2023 and work is under progress for giving connections to balance 1,03,333 nos. of paid pending Ag pumps.

Under this policy, comprehensive scheme sanctioned for recovery of arrears from all HT – Ag, LT – Ag and LIS Live and PD agriculture consumers. The sale of Ag consumers of last 5 years will be considered to correct the bills of agriculture consumers having billing complaint for the period of maximum last 5 years so that maximum Ag consumers can take part in this scheme. Energy Bill amount paid by consumers will be adjusted against revised energy bills. For the arrears amount up to 5 years, **delay payment charges will be 100% waived off** and final arrears will be fixed with rate of interest allowed by MERC on working capital instead of 18% which is being charged as per MERC guidelines. This

fixed amount will be denoted as P. For the arrears amount above 5 years Interest and delay payment charges will be waived of 100%. This amount will be denoted as Q. Final arrears amount will be fixed as $A = P + Q$. This scheme will be applicable for 3 years upto 31.03.2024 only. The freezed arrears amount fixed for this scheme will be shown separately on agriculture consumer's bill. For the agriculture consumer participating in the scheme payment of **current bill will be mandatory**, failing for which will be liable for disconnection of supply.

Under this policy, for carrying out strengthening of Electrical Infrastructure for Ag Consumers separate account will be opened at Circle level for amount of energy bills collected from Ag consumers and the amount so collected will be utilized for developing Mahavitaran infrastructure (new & strengthening work) and for improving services in the concerned rural area. While carrying out expenditure on development work as above, “ **Jilha Vij Saniyantran Samiti** “ will be given the rights of recommendations for the work which will be sanctioned at Division/Circle/Corporate office level. Accordingly, 33% of total amount collected will be utilized for Grampanchayat concerned and power will be delegated to divisional executive engineer to sanction the work within the limits of funds recovered through 33%. Further, 33% of total amount collected will be utilized for District as a whole and the rights will be issued to Hon. Guardian Minister and circle superintending engineer to sanction the work within the limits of funds received from all Grampanchayats through 33% on district level as a whole. Power of sanctioning of new Substations & related infrastructures will be at corporate office level.

Under this policy, long term scheme will be implemented to provide 8 Hours daytime Power supply to Ag Pumps. Accordingly, it is possible to provide daytime power supply to Ag consumers through decentralized Solar Projects directly connected to Substations. Considering day time energy demand of Ag pump, power will be generated during day time by installing decentralized solar plants at Substation level. Benefits such as providing day time power supply through Mukhyamantri Sour Krishivahini scheme (decentralized Solar power generation), to reduce distribution loss and to avoid transmission infrastructure expenditure will be availed through this scheme. Step by step permanent day time power supply will be provided to all Ag consumers through decentralized Solar power generation in the coming three years without levying additional economic burden on Ag consumers as well as Govt.

The progress of release of Ag connections under Ag Policy scheme is as below-

Particulars	Total PP since 01.04.2018	Total Connection Released since 01.04.2018	Balance Paid Pending	% Progress
0-30 Mtrs	205746	205024	722	99.65
31-200 Mtrs	132643	102872	29771	77.56
201 to 600 Mtrs	97011	37062	59949	38.20
Above 600 Mtrs	5814	2046	3768	35.19
Total	441214	347004	94210	78.65

ANNEXURE-A

New 33/11 kV Sub-Stations & 22 kV Switching Stations Commissioned during year 2023-24

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity in MVA	Date of Commissioning	Scheme
CH. SAMBHAJINAGAR ZONE						
1	Bharaj	Jafrabad	Jalna	5.00	08.04.2023	HVDS
2	Dongargaon	Phulambri	Ch. Sambhajinagar	5.00	03.06.2023	HVDS
3	Kumbharzari	Bhokardan	Jalna	5.00	06.09.2023	HVDS
			Total	15.00	MVA	
LATUR ZONE						
4	33/11 KV Gudsar Substation		Latur	5.00	10.12.2023	Ag Policy
5	33/11 KV Kaulkhed Substation		Latur	5.00	28.12.2023	Ag Policy
6	33/11 KV Shivani kd		Latur	5.00	25.03.2024	Ag Policy
7	New 33/11 kV substations PANGRI		Beed	5.00	15.06.2023	Ag Policy
			Total	20.00	MVA	
NANDED ZONE						
8	33/11KV BITNAL SUBSTATION	Umari	Nanded	5.00	30.06.2023	Ag Policy
9	33 /11 kv Hatni	Loha	Nanded	5.00	31.12.2023	Ag Policy
10	33/11 Kv Samsapur	Parbhani	Parbhani	5.00	01.03.2024	Ag Policy
			Total	15.00	MVA	
SUB TOTAL FOR MARATHWADA REGION			Total	50.00	MVA	
BHANDUP ZONE						
11	22/11 KV Piramal Substation	Thane	Thane	20.00	09.10.2023	DDF
12	22/11 Rabale (Ghansoli) Substation	Thane	Thane	20.00	18.09.2023	SSMR-1
			Total	40.00	MVA	
PUNE ZONE						
13	22/11 KV PMAY Sector 12 Sub-Station	Haveli	Pune	20.00	13.06.2023	1.3% Supervision
14	22/11 KV MLDPL PSS-II	Haveli	Pune	20.00	20.03.2024	1.3% DDF
15	22/11 kVA Bluegrass Substation	Haveli	Pune	10.00	26.01.2024	1.3% DDF
16	22/22 KV Kotwalwadi MHADA Charholi	Haveli	Pune	0.00	22.02.2024	1.3% Supervision
17	22/22 KV Kingfa Switching	Khed	Pune	0.00	14.12.2023	MIDC
18	22/22 KV Hyundai Switching	Khed	Pune	0.00	16.10.2023	MIDC
			Total	50.00	MVA	
KOLHAPUR ZONE						
19	33/11 KV Yetgaon	Kadegaon	Sangli	5.00	31.05.2023	HVDS Phase B scheme
20	33/11 KV Hingangaon Bk	Kadegaon	Sangli	5.00	22.02.2024	AG Policy 2020
21	33/11 KV Takave	Shirala	Sangli	5.00	20.03.2024	AG Policy 2020
			Total	15.00	MVA	
BARAMATI ZONE						
22	33/11KV Paniv	Malshirsh	Solapur	5.00	22.06.2023	ACF
23	33/11KV Hatarsang	Solapur South	Solapur	5.00	05.10.2023	ACF
24	33/11KV Medad	Baramati	Pune	10.00	01.10.2023	Sinhstha
25	33/11KV Zagadewadi	Indapur	Pune	5.00	01.01.2024	Ag policy
26	33/22 Kv New Belsar Substation	Purandar	Pune	5.00	02.11.2023	Ag Policy
27	33/11 KV Karwadi	Karad	Satara	5.00	25.05.2023	HVDS Phase B
28	33/22 KV TAKALWADA SUBSTATION	Phaltan	Satara	10.00	19.04.2023	HVDS Scheme
29	33/22 KV Bhade Substation	Phaltan	Satara	5.00	23.05.2023	HVDS Scheme
30	33/22 KV Kalambe	Satara	Satara	5.00	18.08.2023	Ag Policy
			Total	55.00	MVA	
NASHIK ZONE						
31	33 / 11 KV Jambhali	Sangamner	Ahmednagar	5.00	02.09.2023	HVDS
32	33/11 kv Ghumari	Karjat	Ahmednagar	5.00	31.7.2023	AG Policy
33	33/11 kv Vanjulpoi	Rahuri	Ahmednagar	5.00	10.10.2023	AG Policy
34	33/11 kv Punewadi	Parner	Ahmednagar	5.00	31.10.2023	AG Policy
35	33/11 kv Brahamangaon	Sangamner	Ahmednagar	5.00	8.11.2023	AG Policy
36	33/11 kv Dongargaon	Ahmednagar	Ahmednagar	5.00	20.12.2023	AG Policy
37	33/11KV Ghogargaon	Newasa	Ahmednagar	5.00	12.02.2024	AG Policy
38	33/11KV Chikalthan	Rahuri	Ahmednagar	5.00	23.3.2024	AG Policy
39	33/11KV Waghunde Switching Station	Parner	Ahmednagar	0.00	11.06.2023	1.3 % DDF
40	33/11KV Aashawadi	Dindori	Nashik	5.00	29.04.2023	DPDC TSP
41	33/11KV Barhe	Dindori	Nashik	5.00	08.03.2024	DPDC TSP
42	33/11KV Tisgaon	Chandwad	Nashik	10.00	04.01.2024	AG Policy
43	33/11KV Ajande	Malegaon	Nashik	5.00	15.12.2023	HVDS
			Total	65.00	MVA	
JALGAON ZONE						
44	33/11 Chinchati/Savkheda	Raver	Jalgaon	5.00	29.12.2024	AG Policy 2020
45	33/11kv Dui	muktainagar	Jalgaon	5.00	01.06.2023	HVDS
			Total	10.00	MVA	
SUB TOTAL FOR WESTERN MAHARASHTRA REGION			Total	235.00	MVA	

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity in MVA	Date of Commissioning	Scheme
	AMRAVATI ZONE					
46	33 KV Kasbegavan	Anjangaon Surji	Amravati	5.00	08.11.2023	Ag Policy 2020
			Total	5.00	MVA	
	AKOLA ZONE					
47	33 KV Manasgaon	Khamgaon	Buldhana	5.00	18.05.2023	HVDS
48	33 KV Umala	Buldhana	Buldhana	5.00	03.08.2023	HVDS
49	33 KV Pimpalgaon Sarai (Sailani Baba)	Dhad	Buldhana	5.00	04.01.2024	Ag Policy 2020
			Total	15.00	MVA	
	NAGPUR ZONE					
50	33/11 KV Wadamba SStn	Mouda	Nagpur	5.00	16.05.2023	HVDS
			Total	5.00	MVA	
	GONDIA ZONE					
51	33/11 KV Gose	Paoni	Bhandara	5.00	23.11.2024	1.3 % DDF
			Total	5.00	MVA	
	CHANDRAPUR ZONE					
52	33/11 KV Bhangaram Taoldhi	Chandrapur	Chandrapur	5.00	02.05.2023	HVDS
53	33/11 KV Bhejgaon	Mul	Chandrapur	5.00	02.01.2024	AG POLICY
54	33/11 KV Doldongari(Kotgul) SStn	Dhanora	Gadchiroli	5.00	23.02.2024	DPDC (TSP)
			Total	15.00		
	SUB TOTAL FOR VIDARBHA REGION			45.00	MVA	
	TOTAL FOR THE STATE			330.00	MVA	

ANNEXURE-B

Augmentation of Transformer Capacity at 33/11kV & 33/22 kV Sub-Station during 2023-24

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
1	CH. SAMBHAJINAGAR ZONE						
			Total	0.00	MVA		
2	LATUR ZONE						
			Total	0.00	MVA		
3	NANDED ZONE						
			Total	0.00	MVA		
	SUB TOTAL OF MARATHWADA REGION			0.00	MVA		
4	BHANDUP ZONE						
			Total	0.00	MVA		
5	PUNE ZONE						
			Total	0.00	MVA		
6	KALYAN ZONE						
			Total	0.00	MVA		
7	KONKAN ZONE						
	33/11 KV Insuli	Sawantwadi	Sindhudurg	5.00	12.9.2023	NSC	
	33/11 KV Amboli	Sawantwadi	Sindhudurg	1.55	01.01.2024	Maintenance	
			Total	6.55	MVA		
8	KOLHAPUR ZONE						
			Total	0.00	MVA		
9	BARAMATI ZONE						
	Velapur	Malshiras	Solapur	5.00	11.04.2023	ACF	
	Lamboti	mohol	Solapur	5.00	01.03.2023	ACF	
	33/11 KV Angapur	Satara	Satara	1.85	21.08.2023	ACF	
			Total	11.85	MVA		
10	NASHIK ZONE						
	33/11KV Taharabad	Shrirampur	Ahmednagar	1.85	11.5.2023	Ag policy	
	33/11 KV Wari	Kopergaon	Ahmednagar	1.85	7.06.2023	Ag policy	
	33/11 KV Hiwargaon pawasa	Sangamner	Ahmednagar	1.85	24.01.2024	Ag policy	
			Total	5.55	MVA		
11	JALGAON ZONE						
	33/11 molgi	Akkalkuwa	Nandurbar	1.85	15.3.2024	DPDC TSP	
	33/11 horafali	Akkalkuwa	Nandurbar	1.85	28.2.2024	DPDC TSP	
	33/11 kv Fattepur	Jamner	Jalgaon	5.00	18.8.2023	R&M	
	33/11 Kv Shendurni	Jamner	Jalgaon	1.85	30.12.2023	R&M	
			Total	10.55	MVA		
	SUB TOTAL OF WESTERN MAHARASHTRA REGION			34.50	MVA		
12	AMRAVATI ZONE						
			Total	0.00	MVA		
13	AKOLA ZONE						
			Total	0.00	MVA		
14	NAGPUR ZONE						
			Total	0.00	MVA		
15	GONDIA ZONE						
			Total	0.00	MVA		
16	CHANDRAPUR ZONE						
	33/11KV Shankarpur	Gadchiroli	Gadchiroli	5	03.03.2024	Maintenance	overcome low voltage issue
			Total	5.00	MVA		
	SUB TOTAL OF VIDARBHA REGION			5.00	MVA		
	TOTAL FOR THE STATE			39.50	MVA		

ANNEXURE-C

Additional Power Transformer Commissioned at 33/11kV & 33/22 kV Sub-Stations during 2023-24

Sr. No.	Name of Sub-Station	Taluka	District	Transformer Capacity added in MVA	Date of Commissioning	Scheme	Remark
CH. SAMBAJINAGAR ZONE							
			Total	0.00	MVA		
LATUR ZONE							
	33/11 kv Mangrul stn	kallam	Dharashiv	5.00	31.03.2024	Ag Policy	
	33/11 kv Donja Stn	Paranda	Dharashiv	5.00	31.03.2024	Ag Policy	
	33/11 KV Kolnur Substation	Jalkot	Latur	5.00	23.10.2023	Ag Policy	
	33/11 KV Wanjarwada	Jalkot	Latur	5.00	12.11.2023	Ag Policy	
	33/11 KV Shivli Substation	Ausa	Latur	5.00	25.02.24	Ag Policy	
	33/11 KV Bhetu Substation	Ausa	Latur	5.00	20.02.24	Ag Policy	
	33/11 KV Dautpur S/sn	Parli	Beed	5.00	25.6.2023	Ag Policy	
			Total	35.00	MVA		
NANDED ZONE							
1	Wakhari	Basmath	Hingoli	5.00	31.01.2024	Dist.ACF	
2	33 kV SUB-STATION PARDI (M)	Ardhapur	Nanded	5.00	04.04.2023	HVDS	
3	33 KV manjaram	Naigaon	Nanded	5.00	12.04.2023	HVDS	
			Total	15.00	MVA		
SUB TOTAL OF MARATHWADA REGION				50.00	MVA		
BHANDUP ZONE							
1				Total	0.00	MVA	
KALYAN ZONE							
1				Total	0.00	MVA	
2				Total	0.00	MVA	
KONKAN ZONE							
			Total	0.00	MVA		
KOLHAPUR ZONE							
1	33/11 KV Kenawade	Kagal	Kolhapur	5.00	27.12.2023	MSKVY	Additional 1x5 MVA
2	33/11 KV Pimpalgon	Kagal	Kolhapur	5.00	27.12.2023	MSKVY	Additional 1x5 MVA
3	33/11 KV Uttur	Ajara	Kolhapur	5.00	06.10.2023	AG Policy 2020	Additional 1x5 MVA
4	33/11 KV Hebbal	Gadhinglaj	Kolhapur	5.00	18.08.2023	AG Policy 2020	Additional 1x5 MVA
5	33/11 KV KORochi	Hatkanglae	Kolhapur	10.00	20.12.2023	ACF Schme	Additional 1x10 MVA
6	Shirasgaon	Kadegaon	Sangli	5.00	19.10.2023	AG Policy 2020	Additional 1x5 MVA
7	Shivani	Kadegaon	Sangli	5.00	15.09.2023	AG Policy 2020	Additional 1x5 MVA
8	Lingware	Atpadi	Sangli	5.00	18.08.2023	AG Policy 2020	Additional 1x5 MVA
			Total	45.00	MVA		
BARAMATI ZONE							
1	Salmukh	Malshiras	Solapur	5.00	01.04.2023	ACF Schme	Additional 1x5 MVA
2	Motyai	Akkalkot	Solapur	5.00	17.04.2023	ACF Schme	Additional 1x5 MVA
3	Pande	Karmala	Solapur	5.00	20.04.2023	ACF Schme	Additional 1x5 MVA
4	MIDC Tbn	Madha	Solapur	5.00	30.04.2023	ACF Schme	Additional 1x5 MVA
5	Korti	Karmala	Solapur	5.00	30.06.2023	ACF Schme	Additional 1x5 MVA
6	Kurdu	Madha	Solapur	5.00	10.06.2023	ACF Schme	Additional 1x5 MVA
7	Kudal	Akkalkot	Solapur	5.00	24.04.2023	ACF Schme	Additional 1x5 MVA
8	Kasarwadi	Barshi	Solapur	5.00	30.07.2023	ACF Schme	Additional 1x5 MVA
9	Pimpalner	Madha	Solapur	5.00	05.10.2023	ACF Schme	Additional 1x5 MVA
10	Gunjegan	South Solapur	Solapur	5.00	08.10.2023	ACF Schme	Additional 1x5 MVA
11	Kamlan	North Solapur	Solapur	5.00	01.03.2023	ACF Schme	Additional 1x5 MVA
12	33/11KV Supa	Baramati	Pune	5.00	Oct-23	ACF Schme	Additional 1x5 MVA
13	33/11KV Kalas	Baramati	Pune	5.00	Mar-24	ACF Schme	Additional 1x5 MVA
14	33/11 Kanhuri mesai	Shirur	Pune	5.00	04.06.2023	ACF Schme	Additional 1x5 MVA
15	33/11 KV Wing	Karad	Satara	5.00	17.05.2023	ACF Schme	Additional 1x5 MVA
16	33/11 KV Undale	Karad	Satara	5.00	21.04.2023	ACF Schme	Additional 1x5 MVA
17	33/11 KV Kalwade	Karad	Satara	5.00	04.12.2023	ACF Schme	Additional 1x5 MVA
18	33/11 KV Parali	Satara	Satara	5.00	31.03.2024	ACF Schme	Additional 1x5 MVA
19	33/11 KV Wadachiwadi	Satara	Satara	5.00	09.03.2023	ACF Schme	Additional 1x5 MVA
20	33/22 Kinhai substaion	Satara	Satara	5.00	08.08.2023	ACF Schme	Additional 1x5 MVA
			Total	100.00	MVA		
PUNE ZONE							
1	33/11 KV Peth	Ambegaon	Pune	5.00	30.10.2023	ACF Schme	Additional 1x5 MVA
2	22/11 KV Kolte Patil I-Ven	Mulshi	Pune	10.00	29.07.2024	1.3 % DDF	Additional 1x5 MVA
			Total	15.00	MVA		
NASHIK ZONE							
1	33/11KV Rashin	Karjat	Ahmednagar	5	6.2.2024	AG policy	Additional 1x5 MVA
2	33/11KV Alkutti	Parner	Ahmednagar	5	10.08.2023	AG policy	Additional 1x5 MVA
3	33/11KV Pale	Kalwan	Nashik	5	18.12.2023	DPDC TSP	Additional 1x5 MVA
			Total	15.00	MVA		
JALGAON ZONE							
1	33/11 kv Pimpalgaon Golaib	Jamner	Jalgaon	5.00	6.2.2024	Ag Policy 2020 (ACF)	Additional 1x5 MVA
2	33/11 kv Pimpalgaon	Pachora	Jalgaon	5.00	30.12.2023	Ag Policy 2021 (ACF)	Additional 1x5 MVA
3	33/11 kv GAURKHEDA	Raver	Jalgaon	5.00	13.12.2023	Ag Policy 2020 (ACF)	Additional 1x5 MVA
			Total	15.00	MVA		
SUB TOTAL OF WESTERN MAHARASHTRA REGION				190.00	MVA		
AMRAVATI ZONE							
	33/11 KV Mohada Substation	Wani	Yavatmal	5.00	08.09.2023	Kanij Nidhi Scheme	Additional 1x5 MVA
			Total	5.00	MVA		
AKOLA ZONE							
			Total	0.00	MVA		
NAGPUR ZONE							
1	33/11 KV Godhani SStn	Congress Nagar		5.00	07.01.2022	DDUGJY	Additional 1x5 MVA
2	33/11 KV Telgaon	Saoner		5.00	30.09.2023	ACF	Additional 1x5 MVA
			Total	10.00	MVA		
GONDIA ZONE							
			Total	0.00	MVA		
CHANDRAPUR ZONE							
			Total	0.00	MVA		
SUB TOTAL OF VIDARBH REGION				15.00	MVA		
TOTAL FOR THE STATE				255.00	MVA		

ANNEXURE-D

TRANSMISSION LINES (11 KV & ABOVE)

Line Volt in kV	No. of Ckts	Length in Ckt-Kms		
		As on	During	As on
		31.03.2023	2023-24	31.03.2024
Overhead Lines				
33 kV	1	47318.13	594.01	47912.14
	2	1566.64	13.85	1580.49
22 kV	1	31554.11	156.83	31710.94
	2	691.88	23.77	715.65
11 kV	1	341210.98	9113.84	350324.82
	2	1762.95	38.46	1801.41
A.B. Cable		96.02	0.00	96.02
Underground Cables				
33 kV	1	1668.83	78.48	1747.31
22 kV	1	5007.32	344.55	5351.87
11 kV	1	6189.75	309.82	6499.57
Total		437066.60	10673.62	447740.22

ANNEXURE-E

TRANSMISSION LINES (11 KV & ABOVE)

Regionwise Breakup

Sr. No.	Region	Line Volt in kV	No. of Ckts	Length in Ckt-Kms		
				As on 31.03.2023	During 2023-2024	As on 31.03.2024
1	REST OF MAHARASHTRA	Overhead Lines				
		33 kV	1	23044.00	297.80	23341.80
			2	1222.68	13.85	1236.53
		22 kV	1	31554.11	156.83	31710.94
			2	691.88	23.77	715.65
		11 kV	1	148419.18	3023.66	151442.84
			2	1474.60	30.36	1504.96
		Underground Cables				
		33 kV	1	689.59	69.42	759.00
		22 kV	1	5007.32	344.55	5351.87
		11 kV	1	3847.59	181.25	4028.84
		Total		215950.94	4141.49	220092.43
		2	MARATHWADA	Overhead Lines		
33 kV	1			12338.78	100.55	12439.33
	2			177.96	0.00	177.96
22 kV	1			0.00	0.00	0.00
	2			0.00	0.00	0.00
11 kV	1			92231.26	2816.44	95047.70
	2			80.35	8.10	88.45
A.B.Cable				96.02	0.00	96.02
Underground Cables						
33 kV	1			96.17	0.00	96.17
22 kV	1			0.00	0.00	0.00
11 kV	1			446.24	3.03	449.27
Total				105466.79	2928.12	108394.91
3	VIDARBHA			Overhead Lines		
		33 kV	1	11935.35	195.66	12131.01
			2	166.00	0.00	166.00
		22 kV	1	0.00	0.00	0.00
			2	0.00	0.00	0.00
		11 kV	1	100560.54	3273.74	103834.28
			2	208.00	0.00	208.00
		Underground Cables				
		33 kV	1	883.07	9.07	892.14
		22 kV	1	0.00	0.00	0.00
		11 kV	1	1895.92	125.54	2021.46
		Total		115648.87	3604.01	119252.87

ANNEXURE-F

DISTRIBUTION LINES (BELOW 11 kV) 2023-24

Sr. No.	Region	Length in Ckt-kms		
		As on 31.03.2023	During 2023-2024	As on 31.03.2024
Overhead				
1	Rest of Maharashtra	326548.24	3473.13	330021.37
2	Marathwada	165223.02	979.92	166202.94
3	Vidarbha	194853.04	1336.83	196189.87
	Total	686624.30	5789.88	692414.18
Underground				
1	Rest of Maharashtra	13615.76	719.76	14335.52
2	Marathwada	158.76	22.56	181.31
3	Vidarbha	1580.83	74.52	1655.34
	Total	15355.35	816.83	16172.18
Arial bunch Cable				
1	Rest of Maharashtra	1600.75	984.48	2585.23
2	Marathwada	1128.75	355.87	1484.62
3	Vidarbha	2893.84	1475.44	4369.28
	Total	5623.34	2815.79	8439.13
Total (OH+UG+AB)				
1	Rest of Maharashtra	341764.75	5177.38	346942.13
2	Marathwada	166510.53	1358.34	167868.88
3	Vidarbha	199327.70	2886.78	202214.49
	Total	707602.99	9422.50	717025.49

ANNEXURE-G

TRANSFORMATION CAPACITY IN SERVICE 2023-24

Sr. No.	Region	TRANSFORMATION CAPACITY IN SERVICE (IN MVA)					
		As on 31.3.2023		During 2023-2024		As on 31.3.2024	
		Below 11 kV	11 kV & Above	Below 11 kV	11 kV & Above	Below 11 kV	11 kV & Above
1	Rest of Maharashtra	49479.15	21630.80	2509.19	523.75	51988.34	22154.55
2	Marathwada	11480.52	8001.50	2340.38	105.15	13820.90	8106.65
3	Vidarbha	13250.15	8792.50	556.17	68.70	13806.32	8861.20
	Total	74209.82	38424.80	5405.74	697.60	79615.56	39122.40

STATEMENT SHOWING DETAILS OF POWER T/Fs IN SERVICE AS ON 31.3.2024

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

ANNEXURE-H

Voltage Ratio	Capacity	AMTZ	AKLZ	CSNZ	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	36	21	23	15	4	102	99	50	81	74	18	32	35	140	781	7810.00	
	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	315	392	402	454	569	61	120	406	796	530	6	647	76	109	131	264	5278	26390.00	
	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4.00	
	3.15	18	11	15	15	21	2	4	4	30	23	0	19	1	1	8	10	182	573.30	
	3	6	4	2	2	3	0	1	1	5	5	0	1	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	0	1	0	0	0	0	0	0	0	1	2.00
	1.6	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1.60
	1.5	0	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	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	0.00	
TOTAL		378	420	455	492	616	78	130	513	933	608	89	741	97	142	175	416	6283	35004.9	
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	32	9	0	0	0	52	520.00	
	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	0	7	0	0	0	2	49	2	0	0	0	60	300.00	
	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
TOTAL		0	0	0	0	0	8	0	0	0	0	12	84	11	0	0	0	115	857.5	
22/11 kV	12.5	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	25.00	
	10	0	0	0	0	0	2	0	0	1	0	168	0	140	0	0	0	311	3110.00	
	5	0	0	0	0	0	0	0	0	1	0	4	0	20	0	0	0	25	125.00	
	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	2	0	0	2	0	174	0	160	0	0	0	338	3260.00	
GRAND TOTAL		378	420	455	492	616	88	130	513	935	608	275	825	268	142	175	416	6736	39122.40	

STATEMENT SHOWING DETAILS OF DISTRIBUTION T/Fs IN SERVICE AS ON 31.3.2024

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

ANNEXURE-I

Voltage Ratio	Capacity in KVA	AMTZ	AKLZ	CSNZ	NADZ	LZ	KLNZ	KZR	KOPZ	NSKZ	JLGZ	NZ	BUZ	BMTZ	PZ	GONZ	CHDZ	TOTAL	TOTAL
		Nos.	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	3066	18453	2	0	6225	3880	9092	5	0	2065	0	0	0	42796	427960
	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	13553	17498	12555	12481	6029	90	864	8961	11720	2909	6958	0	15894	1016	7326	6310	124164	1986624
	25	2193	1758	1872	3606	2668	104	1445	3665	9592	5086	1729	0	5592	518	1434	3305	44567	1114175
	50	124	498	28	0	77	27	112	66	213	167	77	0	108	224	10	113	1844	92200
	63	14870	15408	15471	16024	31721	893	5910	15831	33593	20073	8271	7	26822	2651	4757	7449	219751	13844313
	75	0	0	0	0	0	0	0	15	594	686	0	0	4	0	0	1	1300	97500
	100	17532	15041	16195	18469	24074	2141	4485	26947	45240	28053	13789	73	32468	3546	6827	7476	262356	26235600
	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	150	227	22	3	12	0	14	2	62	60	96	18	0	6	20	1	25	568	85200
	160	0	0	0	0	0	0	0	2	26	0	0	0	0	0	0	0	28	4480
	200	1781	1393	2527	2473	1867	1061	1168	4528	9080	2381	5886	83	3739	2149	748	829	41693	8338600
	250	0	0	2	25	0	18	0	7	111	33	6	2	19	25	2	0	250	62500
	300	0	0	316	0	52	21	0	24	30	205	21	0	4	70	0	0	743	222900
	315	287	60	424	182	184	415	70	456	1720	199	1065	259	333	2152	3	60	7869	2478735
	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	1	0	3	9	135	0	8	0	0	0	0	156	62400
	500	72	0	62	15	26	54	1	187	80	51	70	73	64	295	3	0	1053	526500
	600	10	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	13	7800
	630	1	5	66	35	24	200	6	135	189	60	375	4109	75	2169	0	0	7449	4692870
	750	0	0	1	0	0	0	0	18	11	0	1	154	1	4	0	0	190	142500
	830	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	8	6640
	950	0	0	0	0	0	0	0	5	0	0	3	158	0	0	0	0	166	157700
995	0	0	0	0	1	0	0	0	0	0	0	219	0	0	0	0	220	218900	
1000	0	0	0	0	0	14	0	27	13	0	1	536	0	5	0	0	596	596000	
1200	0	0	0	0	0	1	0	5	0	0	0	11	0	1	0	0	18	21600	
1250	0	0	0	0	0	15	0	13	21	0	0	38	0	0	8	0	95	118750	
1500	0	0	0	0	0	0	0	30	1	0	0	3	0	1	0	0	35	52500	
2000	0	0	0	0	0	0	0	7	1	0	0	3	0	0	0	0	11	22000	
2500	0	0	0	0	0	0	0	2	0	0	0	16	0	0	0	0	18	45000	
TOTAL		50674	51691	49522	56388	85176	5071	14063	67224	116184	69226	38275	5760	87194	14846	21119	25568	757981	61662307
11/0.25 single phase	25	3715	2448	6963	8338	20837	0	0	150	7751	2398	6303	0	7009	4661	952	1687	73212	1830300
	15	309	342	5404	3148	9178	0	0	3	3325	505	1886	0	1265	1932	461	832	28590	428850
	16	0	0	20	0	0	0	0	0	0	382	0	0	0	0	0	0	402	6432
TOTAL		4024	2790	12387	11486	30015	0	0	153	11076	3285	8189	0	8274	6593	1413	2519	102204	2265582
22\0.4 kV	10	0	0	0	0	0	0	0	0	0	0	0	0	945	0	0	0	945	9450
	16	0	0	0	0	0	124	0	0	0	0	0	124	5045	56	0	0	5349	85584
	25	0	0	0	0	0	320	0	0	0	0	0	536	1000	223	0	0	2079	51975
	50	0	0	0	0	0	7	0	0	0	0	0	63	40	28	0	0	138	6900
	63	0	0	0	0	0	1451	0	0	0	0	0	2818	7669	2649	0	0	14587	918981
	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	2699	0	0	0	0	0	4236	11245	7486	0	0	25666	2566600
	125	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	13	2	14	0	0	48	7200
	160	0	0	0	0	0	0	0	0	0	0	0	232	0	0	0	0	232	37120
	200	0	0	0	0	0	2033	0	0	0	0	0	2315	1170	4512	0	0	10030	2006000
	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	8	0	0	0	0	0	45	1	45	0	0	99	24750
	300	0	0	0	0	0	4	0	0	0	0	0	4	0	45	0	0	53	15900

STATEMENT SHOWING DETAILS OF DISTRIBUTION T/Fs IN SERVICE AS ON 31.3.2024

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

ANNEXURE-I

Voltage Ratio	Capacity in KVA	AMTZ	AKLZ	CSNZ	NADZ	LZ	KLNZ	KZR	KOPZ	NSKZ	JLGZ	NZ	BUZ	BMTZ	PZ	GONZ	CHDZ	TOTAL	TOTAL
		Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	NOS.
	315	0	0	0	0	0	2380	0	0	0	0	0	1926	175	3164	0	0	7645	2408175
	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	9	0	0	0	0	0	2	0	0	0	0	11	4400
	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	925	18	289	0	0	2254	1127000
	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	3134	0	0	0	0	0	1955	25	3761	0	0	8875	5591250
	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	50	0	0	0	0	0	312	0	0	0	0	362	271500
	830	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	9	7470
	800	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	37	29600
	900	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	2700
	950	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	19	18050
	995	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5	4975
	990	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	22	21780
	1000	0	0	0	0	0	120	0	0	0	0	0	157	0	13	0	0	290	290000
	1200	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	4	4800
	1250	0	0	0	0	0	31	0	0	0	0	0	42	0	31	0	0	104	130000
	1500	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	3000
	1600	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7	11200
	2000	0	0	0	0	0	4	0	0	0	0	0	2	0	0	0	0	6	12000
	2500	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	5000
	3000	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	3000
TOTAL		0	0	0	0	0	13443	0	0	0	0	0	15794	27335	22316	0	0	78888	15678160
33/0.4 kv	50	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	100
	100	9	0	0	0	0	4	0	0	0	0	0	0	1	0	0	0	14	1400
	200	0	0	0	0	0	0	3	0	0	0	0	3	0	0	0	0	6	1200
	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	3	0	0	0	0	0	2	0	0	0	0	5	2500
	2000	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	4000
TOTAL		11	1	0	0	0	7	3	0	0	0	0	7	1	0	0	0	30	9515
GRAND TOTAL		54709	54482	61909	67874	115191	18521	14066	67377	127260	72511	46464	21561	122804	43755	22532	28087	939103	79615564

Circlewise & Zonewise Cumulative Info. Of 33 kv, 22 kv & 11 kv Lines As on 31.03.2024

ANNEXURE-J

Sr. No.	Circle / Zone	33kv			22kv			11 kv			A.B. Cable as on 31.03.24
		O/H -D/C as on 31.03.24	O/H -S/C as on 31.03.24	U/G as on 31.03.24	O/H -D/C as on 31.03.24	O/H -S/C as on 31.03.24	U/G as on 31.03.24	O/H -D/C as on 31.03.24	O/H -S/C as on 31.03.24	U/G as on 31.03.24	
1	Kalyan-I				75.80	362.53	446.96				
2	Kalyan-II				52.96	2337.74	76.65				
3	Vasai	0.00	12.00	0.00	77.69	1622.70	271.10		9.32		
4	Palghar	74.50	431.95	38.53		878.14			2074.46	65.12	
Kalyan Zone		74.50	443.95	38.53	206.45	5201.11	794.71	0.00	2083.78	65.12	0.00
5	Thane				117.70	175.55	645.12		3.20	885.55	
6	Vashi	16.29	40.00	332.98	51.07	726.75	305.50		103.30	567.19	
7	Pen			2.86	140.20	5285.47	281.67				
	Bhiwandi					570.19	600.99				
	SMK DF					155.44	185.18		8.66	43.33	
Bhandup U. Zone		16.29	40.00	335.84	308.97	6913.40	2018.46	0.00	115.16	1496.06	0.00
8	Ratnagiri	125.54	1068.75	36.98				46.44	6147.98	108.17	
9	Sindhudurg	177.35	526.80	17.53				4.90	3675.24	2.65	
Konkan Zone		302.89	1595.56	54.51	0.00	0.00	0.00	51.34	9823.22	110.82	0.00
10	Nasik (U)	117.87	1582.16	87.59				113.50	11369.11	573.33	
11	Malegaon	114.87	1387.05					5.06	8130.71	10.76	
	Malegaon DF		119.00	5.10					359.30	8.20	
12	Ahmednagar	137.62	3279.24	17.37		24.29		38.56	24036.71	34.09	
Nashik Zone		370.36	6367.45	110.06	0.00	24.29	0.00	157.12	43895.83	626.38	0.00
13	Dhule	12.30	1211.50	0.50				95.25	7014.90	13.05	
14	Nandurbar		968.90	0.50					6630.28	0.35	
15	Jalgaon	43.60	2232.33	8.65					17721.82	18.61	
Jalgaon Zone		55.90	4412.73	9.65	0.00	0.00	0.00	95.25	31367.00	32.01	0.00
16	Rastapeth				96.84	416.93	858.64	4.51	255.68	790.42	
17	Ganeshkhind		11.50	9.00	79.69	636.58	1331.65	1.36	177.92	476.78	
18	Pune Rural	14.50	661.83	42.86	9.00	4099.23	320.82	1.50	3925.36	19.19	
Pune Zone		14.50	673.33	51.86	185.53	5152.73	2511.10	7.37	4358.96	1286.39	0.00
19	Baramati	23.45	1101.63	37.06		6023.56	5.59	6.60	4055.20	97.72	
20	Satara	210.67	1520.92	41.27	14.70	8395.86	22.01		7005.67	20.15	
21	Solapur	73.77	3340.78	5.48				1159.27	20883.04	92.77	
Baramati Zone		307.89	5963.33	83.81	14.70	14419.42	27.60	1165.87	31943.91	210.64	0.00
22	Sangli	38.20	1970.04	30.64				23.93	14974.12	63.57	
23	Kolhapur	56.00	1875.41	44.10				4.08	12880.87	137.85	
Kolhapur Zone		94.20	3845.45	74.74	0.00	0.00	0.00	28.01	27854.98	201.42	0.00
REST OF MAHARASHTRA		1236.53	23341.80	759.00	715.65	31710.94	5351.87	1504.96	151442.84	4028.84	0.00
24	Parbhani	6.64	1019.96	5.72					8744.68	173.73	
25	Hingoli	10.44	972.55	2.00				1.50	9497.12	8.27	
26	Nanded	37.50	2051.38	27.95				20.00	12174.08	27.31	
Nanded Zone		54.58	4043.89	35.67	0.00	0.00	0.00	21.50	30415.88	209.31	0.00
27	Beed		1623.32					10.00	13925.25	6.40	
28	Osmanabad	35.86	1633.05	13.16				8.10	13753.25	36.76	
29	Latur		1636.34	1.90					10322.16	63.24	
Latur Zone		35.86	4892.71	15.06	0.00	0.00	0.00	18.10	38000.66	106.40	0.00
30	Ch. Sambhajinagar U	35.46	141.38	43.82				41.71	784.47	130.07	66.48
31	Ch. Sambhajinagar R	52.06	1686.34	1.62				7.14	15880.22	0.52	29.54
32	Jalna		1675.01						9966.47	2.97	0.00
Aurangabad Zone		87.52	3502.73	45.44	0.00	0.00	0.00	48.85	26631.16	133.56	96.02
MARATHWADA		177.96	12439.33	96.17	0.00	0.00	0.00	88.45	95047.70	449.27	96.02
33	Buldhana	0.00	1413.30	17.21	0.00	0.00	0.00	0.00	13694.60	19.32	
34	Akola	0.00	932.93	45.82	0.00	0.00	0.00	0.00	7144.20	63.34	
35	Washim	0.00	909.47	5.13	0.00	0.00	0.00	0.00	6781.61	3.67	
Akola Zone		0.00	3255.70	68.16	0.00	0.00	0.00	0.00	27620.41	86.33	0.00
36	Amravati	0.00	1395.11	58.73	0.00	0.00	0.00	0.00	13651.54	107.45	
37	Yeotmal	0.00	1789.99	9.99	0.00	0.00	0.00	0.00	16014.46	22.20	
Amravati Zone		0.00	3185.10	68.72	0.00	0.00	0.00	0.00	29666.00	129.65	0.00
38	NRC	27.86	1115.79	142.56				14.71	9064.94	470.91	
39	NUC	100.27	397.54	495.56				120.70	2814.96	1192.20	
40	Wardha	16.71	928.32	6.01					7226.26	11.57	
Nagpur Zone		144.84	2441.65	644.13	0.00	0.00	0.00	135.41	19106.15	1674.68	0.00
41	Bhandara		496.74	9.52					4715.55	10.41	
42	Gondia	2.46	513.81	3.30				2.40	4402.29	8.80	
Gondia Zone		2.46	1010.55	12.82	0.00	0.00	0.00	2.40	9117.84	19.21	0.00
43	Chandrapur	18.70	1079.05	94.64				70.19	8586.39	93.78	
44	Gadchiroli		1158.96	3.66					9737.49	17.80	
Chandrapur Zone		18.70	2238.01	98.30	0.00	0.00	0.00	70.19	18323.87	111.58	0.00
VIDARBHA		166.00	12131.01	892.14	0.00	0.00	0.00	208.00	103834.28	2021.46	0.00
TOTAL FOR THE STATE		1580.49	47912.14	1747.31	715.65	31710.94	5351.87	1801.41	350324.82	6499.57	96.02
Rest of Maharashtra		1236.53	23341.80	759.00	715.65	31710.94	5351.87	1504.96	151442.84	4028.84	0.00
Marathwada		177.96	12439.33	96.17	0.00	0.00	0.00	88.45	95047.70	449.27	96.02
Vidarbha		166.00	12131.01	892.14	0.00	0.00	0.00	208.00	103834.28	2021.46	0.00
Total Region wise		1580.49	47912.14	1747.31	715.65	31710.94	5351.87	1801.41	350324.82	6499.57	96.02

Circlewise & Zonewise Cummulative Info. Of LT Line as on 31.03.2024

Annexure- K

Sr. No.	Circle / Zone	LT Line as on 31.03.2023			Added during 2023-24			LT Line as on 31.03.2024		
		O/H	U/G	Aerial Bunch Cable	O/H	U/G	Aerial Bunch Cable	O/H	U/G	Aerial Bunch Cable
1	Kalyan-I	596.10	602.28	34.7	1.35	9.78	0.00	597.45	612.06	34.70
2	Kalyan-II	3398.34	146.83	0	15.93	9.10	0.00	3414.27	155.92	0
3	Vasai	2037.48	499.81	9.6	2.91	11.98	0.00	2040.39	511.79	9.6
4	Palghar	5104.33	29.75	0.00	16.00	0.00	0.00	5120.33	29.75	0.00
Kalyan Zone		11136.24	1278.67	44.30	36.20	30.85	0.00	11172.44	1309.52	44.30
5	Thane	133.12	2814.02	17	0.00	51.92	0.00	133.12	2865.93	17.00
6	Vashi	970.44	1518.72	0	0.00	23.27	0.24	970.44	1541.99	0.24
5	Pen	8233.81	134.79	0	1144.96	9.49	7.20	9378.77	144.28	7.2
7	Bhiwandi	1329.19	2082.52	0	76.88	59.08	0.00	1406.07	2141.61	0
	SMK DF	79.30	366.17	0	22.07	67.58	0.00	101.37	433.75	0
Bhandup U. Zone		10745.86	6916.21	17.00	1243.91	211.35	7.44	11989.77	7127.56	24.44
8	Ratnagiri	10220.60	11.36	19.18	0.00	101.56	112.97	10220.60	112.92	132.15
9	Sindhudurg	7645.54	7.72	19.39	180.30	0.80	0.00	7825.84	8.52	19.39
Konkan Zone		17866.14	19.08	38.57	180.30	102.36	112.97	18046.44	121.44	151.54
10	Nasik (U)	25685.88	1144.70	8.26	225.69	23.63	77.47	25911.57	1168.33	85.725
11	Malegaon	18250.69	12.37	106.54	150.95	0.72	46.04	18401.63	13.09	152.58
	Malegaon DF	928.38	4.50	197.80	1.95	0.00	30.00	930.33	4.50	227.8
12	Ahmednagar	37649.82	83.47	238.434	361.23	1.40	19.96	38011.05	84.87	258.394
Nasik Zone		82514.77	1245.04	551.03	739.81	25.75	173.47	83254.58	1270.79	724.50
13	Dhule	14133.13	0.00	0	147.02	0.00	0.00	14280.15	0.00	0
14	Nandurbar	13900.46	1.15	0	140.61	0.00	11.15	14041.07	1.15	11.15
15	Jaigaon	33452.25	2.72	209.75	32.22	0.00	112.45	33484.48	2.72	322.196
Jaigaon Zone		61485.84	3.87	209.75	319.85	0.00	123.60	61805.69	3.87	333.35
16	Rastapeth	1854.74	1547.91	33.508	0.00	67.72	0.00	1854.74	1615.63	33.508
17	Ganeshkhind	1609.34	1836.26	0	0.00	196.71	0.00	1609.34	2032.97	0
18	Pune Rural	15230.25	316.48	0	92.67	59.92	0.00	15322.92	376.40	0
Pune Zone		18694.33	3700.66	33.51	92.67	324.34	0.00	18787.00	4025.00	33.51
19	Baramati	18022.11	58.71	42.7	0.00	3.47	174.25	18022.11	62.18	216.95
20	Satara	24738.67	16.24	4.66	202.97	0.86	0.00	24941.64	17.10	4.66
21	Solapur	34527.92	151.51	236.46	22.54	17.60	202.89	34550.46	169.11	439.35
Baramati Zone		77288.70	226.46	283.82	225.51	21.93	377.14	77514.21	248.39	660.96
22	Sangli	26173.13	9.15	344.979	419.70	0.00	144.59	26592.83	9.15	489.569
23	Kolhapur	20643.23	216.62	77.79	215.18	3.18	45.28	20858.41	219.80	123.07
Kolhapur Zone		46816.36	225.77	422.77	634.88	3.18	189.87	47451.25	228.95	612.64
REST OF MAHARSHTRA		326548.24	13615.76	1600.75	3473.13	719.76	984.48	330021.37	14335.52	2585.23
27	Parbhani	17759.19	2.20	191.78	17.75	0.00	6.00	17776.94	2.20	197.78
28	Hingoli	14250.67	0.00	179.53	0.00	0.00	14.20	14250.67	0.00	193.73
29	Nanded	22860.29	5.05	133.33	83.67	16.53	0.00	22943.96	21.58	133.33
Nanded Zone		54870.15	7.25	504.64	101.42	16.53	20.20	54971.57	23.78	524.84
30	Beed	24707.72	0.00	62.14	155.63	0.00	17.35	24863.35	0.00	79.49
31	Osmanabad	21119.70	44.94	20.4	461.84	3.00	75.00	21581.54	47.94	95.40
32	Latur	20193.38	2.20	279.58	214.54	0.00	142.00	20407.92	2.20	421.58
Latur Zone		66020.80	47.14	362.12	832.01	3.00	234.35	66852.81	50.14	596.47
24	Ch. Sambhajinagar U	2506.03	94.82	232.45	8.73	3.03	0.00	2514.76	97.84	232.45
25	Ch. Sambhajinagar R	26288.83	9.05	29.54	17.36	0.00	101.32	26306.19	9.05	130.86
26	Jalna	15537.21	0.50	0	20.40	0.00	0.00	15557.61	0.50	0
Aurangabad Zone		44332.07	104.37	261.99	46.49	3.03	101.32	44378.56	107.39	363.31
MARATHWADA		165223.02	158.76	1128.75	979.92	22.56	355.87	166202.94	181.31	1484.62
30	Buldhana	26929.20	17.01	168.95	158.56	0.00	228.05	27087.76	17.01	397.00
31	Akola	13147.67	12.14	189.2	39.39	0.00	0.00	13187.06	12.14	189.2
32	Washim	11426.54	0.00	121.94	65.82	0.00	27.35	11492.36	0.00	149.285
Akola Zone		51503.41	29.15	480.09	263.77	0.00	255.40	51767.17	29.15	735.49
33	Amravati	27408.07	203.23	327.47	281.94	10.40	393.56	27690.01	213.63	721.03
34	Yeotmal	26134.40	0.00	18.57	221.83	0.00	1.06	26356.23	0.00	19.63
Amravati Zone		53542.47	203.23	346.04	503.77	10.40	394.62	54046.24	213.63	740.66
35	NRC	22032.40	324.69	508.05	139.79	12.17	94.43	22172.19	336.86	602.475
36	NUC	7293.05	895.00	531.18	52.64	50.43	17.62	7345.68	945.43	548.80
37	Wardha	17017.17	4.29	156.9	108.04	0.26	126.66	17125.21	4.55	283.56
Nagpur Zone		46342.61	1223.97	1196.13	300.47	62.86	238.70	46643.08	1286.83	1434.83
38	Bhandara	8310.36	2.79	298.46	19.70	0.00	108.79	8330.06	2.79	407.25
39	Gondia	10560.92	6.00	289.09	4.50	0.00	228.00	10565.42	6.00	517.09
Gondia Zone		18871.28	8.79	587.55	24.20	0.00	336.79	18895.48	8.79	924.34
40	Chandrapur	13490.75	110.98	76.635	78.45	1.26	150.52	13569.20	112.23	227.151
41	Gadchiroli	11102.53	4.72	207.39	166.18	0.00	99.42	11268.71	4.72	306.807
Chandrapur Zone		24593.28	115.70	284.03	244.63	1.26	249.93	24837.91	116.95	533.96
VIDARBHA		194853.04	1580.83	2893.84	1336.83	74.52	1475.44	196189.87	1655.34	4369.28
TOTAL FOR THE STATE		686624.30	15355.35	5623.34	5789.88	816.83	2815.79	692414.18	16172.18	8439.13
Rest of Maharashtra		326548.24	13615.76	1600.75	3473.13	719.76	984.48	330021.37	14335.52	2585.23
Marathwada		165223.02	158.76	1128.75	979.92	22.56	355.87	166202.94	181.31	1484.62
Vidarbha		194853.04	1580.83	2893.84	1336.83	74.52	1475.44	196189.87	1655.34	4369.28
Total Region wise		686624.30	15355.35	5623.34	5789.88	816.83	2815.79	692414.18	16172.18	8439.13

MSEDCL Substation Commissioned as on 31.03.2024

Annexure-L

S.R.	Name of Circle	Total Nos of Substation & Switching		
		As on 31.03.2023	Added during 2023-24 till MAR-24	As on 31.03.2024
A	B	3	4	5
1	Kalyan-I	20	0	20
2	Kalyan-II	27	0	27
3	Vasai	26	0	26
4	Palghar	41	0	41
	Kalyan Zone	114	0	114
5	Thane	82	2	84
6	Vashi	74	0	74
7	Pen	33	0	33
	Bhandup Zone	189	2	191
8	Ratnagiri	55	0	55
9	Sindhudurg	31	0	31
	Konkan Zone	86	0	86
10	Nashik U	133	3	136
11	Malegaon	105	1	106
12	Ahmednagar	227	9	236
	Nashik Zone	465	13	478
13	Dhule	87	0	87
14	Nandurbar	59	0	59
15	Jalgaon	177	2	179
	Jalgaon Zone	323	2	325
16	Rastapeth	102	1	103
17	Ganeshkhind	92	3	95
18	Pune Rural	88	2	90
	Pune Zone	282	6	288
19	Baramati	95	3	98
20	Satara	90	4	94
21	Solapur	266	2	268
	Baramati Zone	451	9	460
22	Sangli	139	3	142
23	Kolhapur	132	0	132
	Kolhapur Zone	271	3	274
	Rest of Maharashtra	2181	35	2216
24	Ch. Sambhajinagar U	28	0	28
25	Ch. Sambhajinagar R	132	1	133
26	Jalna	106	2	108
	Ch. Sambhajinagar Zone	266	3	269
27	Parbhani	95	1	96
28	Hingoli	69	0	69
29	Nanded	146	2	148
	Nanded Zone	310	3	313
30	Beed	162	1	163
31	Osmanabad	111	0	111
32	Latur	140	3	143
	Latur Zone	413	4	417
	Marathwada	989	10	999
33	Buldhana	112	3	115
34	Akola	77	0	77
35	Washim	65	0	65
	Akola Zone	254	3	257
36	Amravati	118	1	119
37	Yeotmal	111	0	111
	Amravati Zone	229	1	230
38	Nagpur R	86	1	87
39	Nagpur U	101	0	101
40	Wardha	64	0	64
	Nagpur Zone	251	1	252
41	Bhandara	43	1	44
42	Gondia	47	0	47
	Gondia Zone	90	1	91
43	Chandrapur	73	2	75
44	Gadchiroli	54	1	55
	Chandrapur Zone	127	3	130
	Vidarbha	951	9	960
	MSEDCL Total	4121	54	4175

Note -* The Substationm List is including Switching S/sn.

ANNEXURE-M

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	Ch. Shambhajnagar	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

Total Ag pumps as on 31.03.2024

SR. NO.	District	Total Ag pumps as on 31.03.2023			Nos. of Ag pumps released during FY 2023-24 as on 31.03.2024			Grand Total as on 31.03.2024		
		Conventional	Solar	Total	Conventional	MSKPY	Total	Conventional	Solar	Total
1	AKOLA	68211	1909	70120	2433	17	2450	70644	1926	72570
2	BULDHANA	168972	5229	174201	3346	206	3552	172318	5435	177753
3	WASHIM	66004	6854	72858	3046	200	3246	69050	7054	76104
4	AMARAVATI	144215	2389	146604	3466	10	3476	147681	2399	150080
5	YAVATMAL	125093	2892	127985	3465	127	3592	128558	3019	131577
6	NAGPUR	101816	1932	103748	2898	11	2909	104714	1943	106657
7	WARDHA	80503	1009	81512	2471	0	2471	82974	1009	83983
8	BHANDARA	54831	2317	57148	2027	80	2107	56858	2397	59255
9	GONDIA	43736	1168	44904	3377	65	3442	47113	1233	48346
10	CHANDRAPUR	45697	1163	46860	2181	24	2205	47878	1187	49065
11	GADCHIROLI	39757	2009	41766	2147	42	2189	41904	2051	43955
VIDARBHA		938835	28871	967706	30857	782	31639	969692	29653	999345
12	CH. SAMBHAJINAGAR	232648	6900	239548	2485	624	3109	235133	7524	242657
13	JALNA	137865	17522	155387	1842	1843	3685	139707	19365	159072
14	BEED	182977	8887	191864	2476	1468	3944	185453	10355	195808
15	LATUR	137268	1358	138626	4327	216	4543	141595	1574	143169
16	OSMANBAD	159258	4502	163760	2907	196	3103	162165	4698	166863
17	HINGOLI	77450	5021	82471	1815	563	2378	79265	5584	84849
18	NANDED	136007	2671	138678	3335	248	3583	139342	2919	142261
19	PARBHANI	99507	5641	105148	1131	691	1822	100638	6332	106970
MARATHWADA		1162980	52502	1215482	20318	5849	26167	1183298	58351	1241649
VIDARBHA & MARATHWADA		2101815	81373	2183188	51175	6631	57806	2152990	88004	2240994
20	MUMBAI	0	0	0	0	0	0	0	0	0
21	THANE	7291	143	7434	325	0	325	7616	143	7759
22	PALGHAR	20315	355	20670	714	0	714	21029	355	21384
23	RAIGAD	20524	251	20775	1008	0	1008	21532	251	21783
24	RATNAGIRI	20028	747	20775	915	1	916	20943	748	21691
25	SINDUDURG	28215	266	28481	1315	0	1315	29530	266	29796
KONKAN		96373	1762	98135	4277	1	4278	100650	1763	102413
26	A-NAGAR	393434	3742	397176	5730	187	5917	399164	3929	403093
27	NASHIK	348722	5113	353835	4874	22	4896	353596	5135	358731
28	DHULE	99635	1169	100804	1218	11	1229	100853	1180	102033
29	JALGAON	212964	3167	216131	2709	46	2755	215673	3213	218886
30	NANDURBAR	56723	3141	59864	811	30	841	57534	3171	60705
NORTH MAHARASHTRA		1111478	16332	1127810	15342	296	15638	1126820	16628	1143448
31	PUNE	324146	1925	326071	6854	42	6896	331000	1967	332967
32	SATARA	207611	1241	208852	6706	38	6744	214317	1279	215596
33	SOLAPUR	391682	2669	394351	9030	116	9146	400712	2785	403497
34	KOLHAPUR	161631	893	162524	4010	7	4017	165641	900	166541
35	SANGLI	254742	421	255163	8405	12	8417	263147	433	263580
WESTERN MAHARASHTRA		1339812	7149	1346961	35005	215	35220	1374817	7364	1382181
REST OF MAHARASHTRA		2547663	25243	2572906	54624	512	55136	2602287	25755	2628042
MSEDCL		4649478	106616	4756094	105799	7143	112942	4755277	113759	4869036

Receipt of funds from GoM under Ag. Backlog Scheme

Sr. No.	District	Rs. In Crs.																			Allocation of Funds Total for 19 years
		2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Akola & Washim	56.39	44.50	32.73	46.14	0.00	0.00	26.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	206.07
2	Amrawati	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Yavatmal	70.66	57.13	41.30	56.15	0.00	0.00	41.40	59.11	10.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	336.20
4	Wardha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Bhandara & Gondia	11.48	7.47	1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.71
6	Chandrapur	59.72	49.98	40.73	63.43	0.00	0.00	0.00	36.70	39.31	63.03	70.40	63.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	486.66
7	Gadchiroli	28.73	24.20	20.83	32.99	0.00	0.00	0.00	27.76	18.43	38.19	88.00	26.40	39.30	0.00	0.00	0.00	0.00	0.00	0.00	344.83
Vidarbha		226.99	183.28	137.34	198.71	0.00	0.00	67.71	123.57	68.19	101.22	158.40	89.76	39.30	0.00	0.00	0.00	0.00	0.00	0.00	1,394.47
8	Jalna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Parbhani & Hingoli	26.99	16.80	7.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.01
10	Nanded	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Beed	22.75	15.40	2.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.05
Marathwada		49.74	32.20	10.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.06
12	Thane	21.06	17.05	13.45	20.31	0.00	0.00	0.00	9.54	33.47	20.76	26.40	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170.84
13	Raigad	19.39	16.11	13.69	21.15	0.00	0.00	0.00	8.70	53.00	15.05	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	155.88
14	Ratnagiri	33.02	27.81	23.88	38.08	0.00	0.00	0.00	8.28	12.99	12.97	26.40	40.16	0.00	40.00	0.00	0.00	0.00	0.00	0.00	263.58
15	Sindhudurg	6.39	4.55	3.27	4.20	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.70
Rest of Maharashtra		79.85	65.52	54.29	83.74	0.00	0.00	0.29	26.51	99.46	48.78	61.60	48.96	0.00	40.00	0.00	0.00	0.00	0.00	0.00	609.01
Total Maharashtra		356.58	281.00	201.75	282.45	0.00	0.00	68.00	150.08	167.65	150.00	220.00	138.72	39.30	40.00	0.00	0.00	0.00	0.00	0.00	2,095.54

Districtwise & Yearwise Backlog Removal of Ag. Pump Energisation

Annexure P

Sr. No.	District	Backlog fixed as on 1/4/1996 by I & B Committee	96-97	97-98	98-99	99-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24 as on March-24	Achmnt upto March-24	Balance Backlog as on March-24
1	Akola & Washim	41,463	1,087	1,767	1,501	1,327	1,105	1,156	3,171	2,474	1,107	2,242	4,121	2754	4317	4386	4966	3982	0	0	0	0	0	0	0	0	0	0	0	0	41,463	0
2	Amravati	7,023	2,313	1,567	1,558	1,398	187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,023	0
3	Yavatmal	47,776	1,226	1,015	1,110	1,065	958	1,175	3,066	2,555	2,065	2,055	5,737	4266	5222	4340	3839	3494	3899	689	0	0	0	0	0	0	0	0	0	0	47,776	0
4	Wardha	2,739	1,912	827	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,739	0
5	Bhandara & Gondia	16,746	1,975	1,384	1,500	1,024	690	700	1,701	1,224	1,099	1,333	3,018	1098	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16,746	0
6	Chandrapur	38,792	1,539	1,410	1,260	1,235	937	469	1,606	1,072	916	806	2,147	1129	2354	1721	1854	2249	2421	2593	3398	6372	1304	0	0	0	0	0	0	0	38,792	0
7	Gadchiroli	16,933	591	503	357	348	277	230	391	370	228	303	347	365	472	557	545	494	1108	1216	2072	2744	2944	471	0	0	0	0	0	0	16,933	0
Vidarbha		1,71,472	10,643	8,473	7,286	6,397	4,154	3,730	9,935	7,695	5,415	6,739	15,370	9,612	12,365	11,004	11,204	10,219	7,428	4,498	5,470	9,116	4,248	471	0	0	0	0	0	0	1,71,472	0
8	Jalna	7,633	2,631	1,642	697	1,130	1,164	369	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,633	0
9	Parbhani & Hingoli	34,428	2,039	1,477	1,436	1,814	1,751	1,064	6,058	4,040	1,936	3,552	4,763	4498	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34,428	0
10	Nanded	1,682	1,109	573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,682	0
11	Beed	28,370	2,664	2,448	1,530	1,558	1,685	1,113	2,734	2,134	1,706	2,313	6,673	1812	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28,370	0
Marathwada		72,113	8,443	6,140	3,663	4,502	4,600	2,546	8,792	6,174	3,642	5,865	11,436	6,310	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72,113	0
12	Thane	15,696	744	693	759	640	490	421	734	757	462	599	1011	614	572	482	452	470	629	2208	1180	1140	639	0	0	0	0	0	0	0	15,696	0
13	Raigad	12,966	465	526	447	461	303	302	492	352	416	326	342	443	613	563	717	608	574	3496	855	665	0	0	0	0	0	0	0	0	12,966	0
14	Ratnagiri	18,987	381	326	539	366	342	300	422	335	303	346	439	321	428	393	434	648	546	857	737	868	1356	859	510	427	619	971	996	916	15,985	3002
15	Sindhudurg	6,991	420	533	676	388	302	299	605	353	383	525	466	433	406	609	549	44	0	0	0	0	0	0	0	0	0	0	0	0	6,991	0
Rest of Maharashtra		54,640	2,010	2,078	2,421	1,855	1,437	1,322	2,253	1,797	1,564	1,796	2,258	1,811	2,019	2,047	2,152	1,770	1,749	6,561	2,772	2,673	1,995	859	510	427	619	971	996	916	51,638	3002
Total Maharashtra		2,98,225	21,096	16,691	13,370	12,754	10,191	7,598	20,980	15,666	10,621	14,400	29,064	17,733	14,384	13,051	13,356	11,989	9,177	11,059	8,242	11,789	6,243	1,330	510	427	619	971	996	916	2,95,223	3002

Fund Provision under DPDC for FY 2023-24

Rs. In crs

Sr. No.	District/ Region	NDSI	SCP	TSP	OTSP	Total
		sanctioned	sanctioned	sanctioned	sanctioned	sanctioned
1	Buldhana	28.00	0.00	0.00	0.40	28.40
2	Akola	24.00	3.50	0.00	0.36	27.86
3	Washim	14.75	10.00	3.55	0.42	28.71
4	Amravati	30.00	11.00	2.77	2.00	45.77
5	Yavatmal	36.55	8.76	4.01	3.03	52.35
6	Nagpur	55.00	14.05	0.00	1.20	70.25
7	Wardha	12.00	2.15	0.00	1.50	15.65
8	Bhandara	10.00	4.00	0.00	0.40	14.40
9	Gondia	9.00	5.00	3.61	1.88	19.49
10	Chandrapur	10.00	7.41	3.55	2.00	22.96
11	Gadchiroli	10.00	3.25	5.87	0.55	19.67
Nagpur		239.30	69.12	23.36	13.74	345.51
12	Aurangabad	25.00	15.00	0.00	0.56	40.56
13	Jalna	21.00	7.44	0.00	0.26	28.70
14	Parbhani	13.00	0.50	0.00	0.00	13.50
15	Hingoli	5.00	1.80	0.00	0.40	7.20
16	Nanded	35.50	4.00	1.50	1.40	42.40
17	Beed	22.00	3.75	0.00	0.00	25.75
18	Osmanabad	25.00	4.97	0.00	0.00	29.97
19	Latur	17.00	10.97	0.00	0.00	27.97
Aurangabad		163.50	48.42	1.50	2.62	216.03
20	Mumbai	10.00	0.000	0.000	1.30	11.30
21	Thane	18.00	0.000	3.000	2.50	23.50
22	Palghar	3.50	0.150	10.441	1.25	15.34
23	Raigad	8.00	3.127	0.000	0.10	11.23
24	Ratnagiri	7.86	7.875	0.000	0.00	15.73
25	Sindhudurg	8.00	8.660	0.000	0.00	16.66
26	Nasik	30.00	4.000	17.200	4.00	55.20
27	Ahmednagar	35.00	7.000	1.400	5.00	48.40
28	Dhule	12.11	0.500	7.655	3.41	23.67
29	Nandurbar	3.30	0.150	15.421	0.00	18.87
30	Jalgaon	25.00	2.600	1.000	0.75	29.35
Konkan		160.77	34.06	56.12	18.31	269.25
31	Pune	75.00	10.15	2.00	1.25	88.40
32	Satara	26.60	8.50	0.00	0.00	35.10
33	Solapur	51.50	6.00	0.00	0.08	57.58
34	Sangli	42.75	3.00	0.00	0.00	45.75
35	Kolhapur	15.00	8.61	0.00	0.00	23.61
Pune		210.85	36.27	2.00	1.33	250.45
Total		774.41	187.87	82.98	35.99	1,081.25

PM – JANMAN: Status of Electrification of PVTG HHs under RDSS

Annexure-S

District	As per List (MoTA) received		As per List received found Un-electrified			Progress as on 15-04-2024	
	Total Habitations	No. of HHs	No. of PE Habitations	No. of UE Habitations	No. of HHs	Habitations	No. of HHs
Ahmadnagar	13	50	9	0	65	0	54
Amravati	2	0	0	0	0	0	0
Chandrapur	48	577	44	0	364	0	367
Gadchiroli	348	6273	82	0	399	0	495
Kolhapur	4	18	1	0	15	0	6
Mumbai Suburban	2	3	0	0	0	0	0
Nanded	22	194	17	0	140	0	140
Nashik	178	1983	135	10	1304	10	1430
Palghar	426	5965	49	0	258	0	279
Pune	233	2145	70	0	1071	0	1091
Raigarh	1014	11803	290	5	3651	5	3703
Ratnagiri	120	847	0	0	0	0	0
Satara	19	222	8	0	107	0	38
Sindhudurg	20	274	2	8	65	8	74
Thane	468	5663	55	0	347	0	413
Wardha	97	81	1	0	39	0	46
Yavatmal	537	7436	47	0	731	0	736
Grand Total	3551	43534	810	23	8556	23	8872

Note: As per actual survey, 8872 nos. of HHs are found and electrified as on dt. 15.04.2024.

ANNEXURE-T**Present Status of National Cyclone Risk Mitigation Project(NCRMP):**

Particulars	Unit	Alibag		Ratnagiri		Saatpati	
		Target	Achiev.	Target	Achiev.	Target	Achiev.
22 kV GIS Switching Station	Nos.	1	1	0	0	0	0
33 KV HT U/G Cable	Km.	0	0	22.82	22.68	0	0
22 KV HT U/G Cable	Km.	66.68	66.68	0	0	0	0
11 KV HT U/G Cable	Km.	0	0	80.78	80.53	11.54	11.54
33 KV/22 KV/11KV RMU	Nos.	98	98	161	152	17	17
LT U/G Cable	Km.	179.26	179.06	224.25	223.13	45.68	45.68
Distribution Transformer	Nos.	30	30	16	16	5	5
LT Pillar	Nos.	1360	1360	1847	1711	271	271
Street Light Pole	Nos.	1198	1198	1999	1999	365	365

POLICY INITIATIVES-AG POLICY

Annexure-U

GoM vide GR no. 121/Energy-05 dtd. 18.12.2020 has given sanction to a comprehensive AG Policy-2020 with main objectives of releasing new Ag connections timely, providing reliable, quality and day time supply to all agriculture consumers through feeder solarisation and recovery of Ag outstanding arrears through an amnesty scheme, along with current bills. As envisaged in policy, the amount recovered from Ag consumers is being made available under 'Agriculture Contingency Fund' and the same is to be utilized for agriculture new connections, infrastructure development and system strengthening at respective Gram Panchayat level (33%) and District level (33%)

PROGRESS OF THE AG POLICY OF VARIOUS PARAMETERS AS ON 31.03.2024

Mobile Registration of AG consumers :

Region Name	Total Paid Pending	Connections Released As on 31.03.2024	% Percentage
Aurangabad	102326	55695	54.42
Kokan	70436	67478	95.80
Nagpur	115167	85614	74.33
Pune Region	153001	138714	90.66
MSEDCL	440930	347501	78.81