

KEY REGULATORY PARAMETERS OF **POWER UTILITIES**



October 2021

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- By reading our report, the reader of the report shall be deemed to have accepted the terms mentioned hereinabove.

ACKNOWLEDGEMENT

This report has been prepared to enable knowledge sharing and facilitate at-a-glance comparison between DISCOMs based on latest information. It provides information on key regulatory parameters of the last four financial years including the latest (FY 2022) for all major DISCOMs in India.

The information has been collected from various sources including “Electricity Regulatory Information Access and Analytics Platform (Regulatory Tool)”, which has been developed in association with the Forum of Regulators (FOR) under the technical assistance programme - “Supporting Structural Reforms in the Indian Power Sector” (Power Sector Reforms Programme). This program is being implemented by UK's Foreign, Commonwealth and Development Office (FCDO) in partnership with the Ministry of Power, Government of India. KPMG in India is the lead implementing partner of Power Sector Reforms Programme. For development of this tool, information was collected from various other sources as well, such as Retail Supply Tariff Orders, True-up Orders and Regulations issued by the Electricity Regulatory Commissions of states and Union Territories.

We are grateful to Mr. Ghanshyam Prasad, Joint Secretary, Ministry of Power, Government of India and Mr. Sanjay Malhotra, Chairman & Managing Director of REC Limited for their guidance, support and insights on the subject.

We sincerely hope that this report will help policy makers and government agencies in design and implementation of interventions for improving performance of power sector.

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Acronyms

ABR	Average Billing Rate
ACOS	Average Cost of Supply
AEGCL	Assam Electricity Grid Corporation Limited
APCPDCL	Central Power Distribution Company of Andhra Pradesh Limited
APDCL	Assam Power Distribution Company Limited
APEPDCL	Eastern Power Distribution Company of Andhra Pradesh Limited
APGCL	Assam Power Generation Corporation Limited
APGENCO	Andhra Pradesh Power Generation Corporation Limited
APSPDCL	Southern Power Distribution Company of Andhra Pradesh Limited
APTRANSCO	Andhra Pradesh Power Transmission Corporation Limited
ARR	Average Revenue Requirement
AT&C	Aggregate Technical and Commercial
AVVNL	Ajmer Vidyut Vitran Nigam Limited
BESCOM	Bangalore Electricity Supply Company Limited
BRPL	BSES Rajdhani Power Limited
BSPGCL	Bihar State Power Generation Company Limited
BSPTCL	Bihar State Power Transmission Company Limited
BYPL	BSES Yamuna Power Limited
CEA	Central Electricity Authority
CED	Chandigarh Electricity Department
CERC	Central Electricity Regulatory Commission
CESU	Central Electricity Supply Utility of Odisha
CHESCOM	Chamundeshwari Electricity Supply Corporation Limited
CSPDCL	Chhattisgarh State Power Distribution Company Limited
CSPGCL	Chhattisgarh State Power Generation Company Limited
CSPTCL	Chhattisgarh State Power Transmission Company Limited
DDED	Daman & Diu Electricity Department
DDUGJY	Deen Dayal Upadhyaya Gram Jyoti Yojana
DEEP	Discovery of Efficient Electricity Price
DGVCL	Dakshin Gujarat Vij Company Limited
DHBVNL	Dakshin Haryana Bijli Vitran Nigam Limited
DISCOM	Distribution Company
DNHPDCL	Dadra & Nagar Haveli Power Distribution Corporation Limited
DOP, AP	Department of Power, Arunachal Pradesh
DPN	Department of Power, Nagaland
DTL	Delhi Transco Limited
DVVNL	Dakshinanchal Vidyut Vitran Nigam Limited
ED A&N	Electricity Department, Andaman and Nicobar Administration
EDG	Electricity Department, Goa
FCDO	Foreign, Commonwealth and Development Office

GESCOM	Gulbarga Electricity Supply Company Limited
GETCO	Gujarat Energy Transmission Corporation Limited
GOI	Government of India
GSECL	Gujarat State Electricity Corporation Limited
HESCOM	Hubli Electricity Supply Company Limited
HPGCL	Haryana Power Generation Corporation Limited
HPPTCL	H.P. Power Transmission Corporation Limited
HPSEB Ltd.	Himachal Pradesh State Electricity Board
HPSEBL	Himachal Pradesh State Electricity Board Limited
HTS	High Tension Supply
HVPNL	Haryana Vidyut Prasaran Nigam Limited
IPDS	Integrated Power Development Scheme
IPGCL	Indraprastha Power Generation Company Limited
JBVNL	Jharkhand Bijli Vitran Nigam Limited
JdVVNL	Jodhpur Vidyut Vitran Nigam Limited
JERC	Joint Electricity Regulatory Commission
JKPDD-T	Jammu and Kashmir Power Development Department-Transmission
JKSPDC	J&K and Ladakh State Power Development Corporation
JUSNL	Jharkhand Urja Sancharan Nigam Limited
JUUNL	Jharkhand Urja Utpadan Nigam Limited
JVVNL	Jaipur Vidyut Vitran Nigam Limited
KESCO	Kanpur Electricity Supply Company Limited
KPCL	Karnataka Power Corporation Limited
KPTCL	Karnataka Power Transmission Corporation Limited
KSEB	Kerala State Electricity Board
KSEBL	Kerala State Electricity Board Limited
LED	Electricity Department, Union Territory of Lakshadweep
LTIS	Low Tension Industrial Supply
LTMD	Low Tension Maximum Demand
MAT	Minimum Alternate Tax
MePDCL	Meghalaya Power Distribution Corporation Limited
MePGCL	Meghalaya Power Generation Corporation Limited
MePTCL	Meghalaya Power Transmission Corporation Limited
MESCOM	Mangalore Electricity Supply Company Limited
MGVCL	Madhya Gujarat Vij Company Limited
MOP	Ministry of Power, Government of India
MPMaKVVCL	Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company Limited
MPPaKVVCL	Madhya Pradesh Paschim Kshetra Vidyut Vitaran Company Limited
MPPGCL	Madhya Pradesh Power Generating Co. Ltd
MPPoKVVCL	Madhya Pradesh Poorv Kshetra Vidyut Vitaran Company Limited
MPPTCL	M.P. Power Transmission Company Limited
MSEDCL	Maharashtra State Electricity Distribution Company Limited

MSETCL	Maharashtra State Electricity Transmission Company Limited
MSPCL	Manipur State Power Company Limited
MSPDCL	Manipur State Power Distribution Company Limited
MSPGCL	Maharashtra State Power Generation Company Limited
MVVNL	Madhyanchal Vidyut Vitaran Nigam Limited
NBPDCL	North Bihar Power Distribution Company Limited
NDMC	New Delhi Municipal Council
NDS	Non-Domestic Supply
NESCO	North Eastern Electricity Supply Company of Odisha Limited
O&M	Operations and Maintenance
OHPC	Odisha Hydro Power Corporation Limited
OPGCL	Odisha Power Generation Corporation Limited
OPTCL	Odisha Power Transmission Corporation Limited
P&ED	Power and Electricity Department, Mizoram
PaVVNL	Pashchimanchal Vidyut Vitaran Nigam Limited
PED	Puducherry Electricity Department
PFC	Power Finance Corporation
PGVCL	Paschim Gujarat Vij Company Limited
PPCL	Puducherry Power Corporation Limited
PPCL	Puducherry Power Corporation Ltd
PSPCL	Punjab State Power Corporation Limited
PSPCL	Punjab State Power Corporation Limited
PSR	Power Sector Reforms
PSTCL	Punjab State Transmission Corporation Limited
PTCUL	Power Transmission Corporation of Uttarakhand Limited
PuVVNL	Purvanchal Vidyut Vitaran Nigam Limited
R-APDRP	Restructured Accelerated Power Development and Reforms Programme
RGP	Residential General Purpose
RoCE	Return on Capital Employed
RoE	Return on Equity
RPO	Renewable Purchase Obligation
RRB	Regulated Rate Base
RRVNL	Rajasthan Rajya Vidyut Prasaran Nigam Limited
RRVUNL	Rajasthan Rajya Vidyut Utpadan Nigam Ltd
SAUBHAGYA	Sahaj Bijli Har Ghar Yojana
SBPDCL	South Bihar Power Distribution Company Limited
SERC	State Electricity Regulatory Commission
Sikkim PD	Energy and Power Department, Sikkim
SOUTHCO	Southern Electricity Supply Company of Odisha Limited
TANGEDCO	Tamil Nadu Generation and Distribution Corporation Limited
TANTRANSCO	Tamil Nadu Transmission Corporation Limited
TOD	Time of Day (Tariff)

TPCODL	Tata Power Central Odisha Distribution Limited
TPDDL	Tata Power Delhi Distribution Limited
TPGL	Tripura Power Generation Limited
TPSODL	Tata Power Southern Odisha Distribution Limited
TPWODL	Tata Power Western Odisha Distribution Limited
TSECL	Tripura State Electricity Corporation Limited
TSECL	Tripura State Electricity Corporation Limited
TSGENCO	Telangana State Power Generation Corporation Limited
TSNPDCL	Northern Power Distribution Company of Telangana Limited
TSSPDCL	Southern Power Distribution Company of Telangana Limited
TSTRANSCO	Transmission Corporation of Telangana Limited
TUP	True-up
UDAY	Ujjwal DISCOM Assurance Yojana
UGVCL	Uttar Gujarat Vij Company Limited
UHBVNL	Uttar Haryana Bijli Vitran Nigam Limited
UJALA	Unnat Jyoti by Affordable LEDs for All
UJVNL	Uttarakhand Jal Vidyut Nigam Limited
UPCL	Uttarakhand Power Corporation Limited
UPJVNL	Uttar Pradesh Jal Vidyut Nigam Limited.
UPPTCL	Uttar Pradesh Power Transmission Corporation Limited
UPRVUNL	Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited
URJA	Urban Jyoti Abhiyan
WACC	Weighted Average Cost of Capital
WBPDCL	West Bengal Power Development Corporation Limited
WBSEDCL	West Bengal State Electricity Distribution Company Limited
WBSETCL	West Bengal State Electricity Transmission Company Limited
WESCO	West Electricity Supply Company of Odisha Limited

CHAPTER 1. BACKGROUND

The Government of India (GOI) aims to deliver reliable, secure, quality, and affordable power to all consumers by creating an efficient and financially sustainable power sector. In this regard, the GOI has implemented various reform initiatives which have led to transformational changes in the Indian power sector. This includes a massive rural electrification program and last-mile connectivity plan—Sahaj Bijli Har Ghar Yojana (SAUBHAGYA) and Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY); initiatives for network strengthening and IT enablement—Integrated Power Development Scheme (IPDS); initiatives for performance improvement of Distribution Utilities (DISCOMs)—Ujjwal DISCOM Assurance Yojana (UDAY); enabling digitization (Vidyut Pravah, Urja, DEEP e-bidding, etc.); improving end-use energy efficiency—Unnat Jyoti by Affordable LEDs for All (UJALA), among others.

These initiatives have had successful outcomes; which led to the electrification of 100% villages and about 280 million un-electrified households; reduction in Aggregate Technical and Commercial (AT&C) losses from 22.58% (in 2013-14) to 21.73% (in 2019-20)¹, further The Government of India (GOI) also launches Revamped Distribution Sector Scheme (RDSS) with the objective of Reduction of AT&C losses to pan-India levels of 12-15% by 2024-25 and Reduction of ACS-ARR gap to zero by 2024-25.

Regular monitoring of financial and operational parameters for DISCOMs is essential to identify interventions required for continuous performance improvement. At present, there is no single resource that covers all related parameters under one platform. To address this knowledge gap, a report capturing key regulatory parameters for all the DISCOMs (including power departments) was prepared under the Power Sectors Reform Programme² in the year 2020. The report “Key Regulatory Parameters of Power Utilities” covers 12 broad regulatory parameters for 61 DISCOMs across India for last 3 financial years. However, it is imperative to keep updating the data set to enable effective knowledge sharing and facilitate meaningful at-a-glance comparison between DISCOMs based on the latest information. This report has been prepared under the Scope of Work (SoW) agreed vide contract with REC Limited (“Client”). The SoW broadly entails KPMG to the Client with periodic update of the parameters captured in report and to include new parameters as per requirement in consultation with the Client.

The information presented in this report has been prepared from various sources, which includes tariff orders, Report on Performance of State Power Utilities (2019-20) published by PFC Ltd., and the Regulatory Tool³, among others.

¹ Source: Performance Report of State Power Utilities (PFC)

² The United Kingdom (UK)-India bilateral technical assistance programme titled “Supporting Structural Reforms in the Indian Power Sector” (Power Sector Reforms Programme) is being implemented by UK's Foreign, Commonwealth and Development Office (FCDO) in partnership with the MOP, GOI. The Programme (November 2016- March 2022) is supporting India's energy transition through holistic interventions including structural market reforms. To know more, please access <https://www.psrindia.com/>

³ The Regulatory Tool (Electricity Regulatory Information Access and Analytics Platform) has been developed under the PSR Programme in association with the Forum of Regulators (FOR). The objective of this tool is to institutionalize the process of regular updates by the regulatory commissions on key issues such as Regulatory Affairs, Consumer Protection, Regulatory Functioning, Planning Effectiveness, etc. It enables better exchange of knowledge and experiences on key operational and financial performance parameters of DISCOMs across states.

CHAPTER 2. LIST OF PARAMETERS

The report includes information on key regulatory parameters for the period FY 2018-19 till FY 2021-22 for Distribution, Transmission and Generation utilities of all state and UTs across the country. The parameters included are as below:

Parameter		Sub-Parameter	Unit		Inclusions
Tariff Order	A	Date of Issuance of Tariff Order	Date	A1	Tariff order issuance date by respective Electricity Regulatory Commissions for DISCOMs and state owned TRANSCOs and GENCOs.
Distribution Losses	B	Distribution Losses	%	B1	(Net Input Energy at the DISCOM periphery-Net Energy Sold) / Net Input Energy at the DISCOM Periphery
		Billing Efficiency	%	B2	(Net Energy Sold/Net Input Energy)
		Collection Efficiency	%	B3	(Revenue Collected/Revenue Billed)
Average Billing Rate	C1	Total Revenue	Rs. Crore	C1.1	Revenue from domestic, commercial, industrial, agricultural, and other intra-state consumers at approved tariff along with the govt. subsidy
		Total Energy Sold	MU	C1.2	Energy sold to domestic, commercial, industrial, agricultural, and other intra-state consumers
		Average Billing Rate (ABR)	Rs./kWh	C1.3	$((\text{Total Revenue} \times 10) / \text{Total Energy sold})$
	C2	Change in approved ABR for Nth Year	%	C2.1	$[\text{ABR}_N - \text{ABR}_{(N-1)}] / \text{ABR}_{(N-1)}$
Average Cost of Supply ⁴	D	Total Cost (ARR)	Rs. Crore	D1	Total expenditure approved In Average Revenue Required statement including approved Revenue Gaps, if any and net of Non-Tariff Income and Income from interstate consumers (if provided separately)
		Total Energy Sold	MU	D2	Energy sold to intra-state consumers and inter-state consumers (wherever applicable)
		Avg cost per unit	Rs./kWh	D3	$((\text{Total Cost} \times 10) / \text{Total Energy sold})$

Tariff Comparison*	E	Consumer Category wise Representative Tariff	Rs/kWh	E1	Category-wise breakup of applicable tariff including energy charge, fixed charge, electrical duty, and govt. subsidy across major states.
*A representative tariff for a category would mean Average rate payable per unit by a consumer of that category based on a typical (assumed) monthly consumption and corresponding tariff rate as per the tariff schedule.					
Tariff Cross subsidy for commercial and industrial consumers	F	Commercial	%	F1	Average Billing Rate (ABR) for the Commercial category consumers/Average cost of supply
		Industrial	%	F2	Average Billing Rate (ABR) for the Industrial category consumers /Average cost of supply
Cross Subsidy Surcharge	G	Cross Subsidy Surcharge	Rs. /kWh	G1	Cross subsidy surcharge as approved by respective Electricity Regulatory Commissions for open-access consumers
Additional Surcharge	H	Additional Surcharge	Rs. /kWh	H1	Additional surcharge for open-access consumers approved by respective Electricity Regulatory Commissions
State-wise Revenue Gap/Surplus	I	Cumulative Revenue Gap/ Surplus	Rs. Crore	I1	Latest cumulative revenue gap approved by the respective Electricity Regulatory Commissions
Time of Day (ToD) Tariff Rates Applicability	J	ToD Applicability	None	J1	Applicability of Time of Day (TOD) tariff across consumer categories
Return on Equity (RoE)	K	RoE (on post-tax basis)	Rs. Crore	K1	RoE quantum across DISCOMs, Generation Utility and Transmission Utility as approved by the respective Electricity Regulatory Commissions
		RoE (on post-tax basis)	%	K2	Rate of RoE approved by respective Electricity Regulatory Commissions for DISCOMs, Generation Utility and Transmission Utility
		Rate of post-tax RoE as per tariff regulations	%	K3	Rate of RoE as per respective state tariff regulations for DISCOMs, Generation Company and Transmission Company
Transmission Charges	L	Transmission Charges Long Term and Medium TermS (wherever specified)	Rs. / MW/Month	L1	(Transmission ARR x 10 ⁷)/ (Total load quantum handled x12)
			Rs. Cr/Month	L2	(Transmission ARR)/12

		Transmission Charges Short Term	Rs. / kWh	L3	(Transmission ARR x 10)/ (Total Energy Handled)
			Rs. / MW	L4	(Transmission ARR x 10^7)/ (Total load quantum)
Number of Pending Cases	M	Petitions pending	Number of Cases	M1	No. of petitions pending with CERC/SERC/ JERC for less than 3 months, 3 to 6 months and more than 6 months
		Tariff petitions pending		M2	
		True-up petitions pending		M3	
		Dispute related cases		M4	
Alignment of Electricity (Rights of Consumers) Rules 2020	N	Alignment of Timelines as per DISCOM's Regulations, Standard of Performance (SoP) and Supply Codes with timelines as specified in the Electricity (Rights of Consumers) Rules 2020	No. of Days/Yes / No / Not Available	N1	Release of Connections
				N2	Testing of Meters
				N3	Replacement of Meters
				N4	Issuance of no dues Certificates
				N5	Provision for payment of claims on deviation from SoPs
				N6	Assessment of Rooftop Solar Feasibility
				N7	Connection of rooftop solar after installation
				N8	Regulations for ensuring predetermined demand charges for up to 150kW
				N9	Presence of Multitier Grievance Redressal Forum
Power Procurement Cost of DISCOMs for FY 2022	O	Volume of Power Procured during FY 2022	MU	O1	Volume of Power procured by respective state DISCOMs
		Cost of Power Procured	Rs. Crore	O2	Cost of Power Procured excluding transmission charges
		Average cost of Power Procured for FY 2022	Rs. / kWh	O3	(Cost of Power Procured excluding transmission charges x 10)/ (Volume of Power procured)
Availability of Technical Minimum Regulation	P	Availability of Technical Minimum regulation	Yes / No / Data Not Available	P1	Status of State/UTs specific availability of technical minimum regulation
Merit Order	Q	Adherence to Merit Order Dispatch	Yes/No	Q1	Status of State/UTs specific Merit Order Adherence

General guidelines to the readers:

1. The negative values in the report appear within parenthesis.
2. Wherever suitable, values between -1 and 1 have been rounded off to nil. .
3. 'NA' denotes 'Not Applicable'.
4. 'N/A' denote 'Not Available' in respect of tariff order availability.
5. Change in approved ABR has been rounded off to the nearest whole number.
6. Distribution Losses, Billing Efficiency and Collection Efficiency have been rounded off to 2 decimal places.
7. State level aggregation for various parameters is based on average of DISCOM level values weighted against corresponding energy sales.



SECTION 1

TARIFF ORDER ISSUANCE



Date of Issuance of Tariff Order (Distribution Utilities)

	Date of Issuance of Tariff Order			
	2018-19	2019-20	2020-21	2021-22
DISCOMS				
Andhra Pradesh	27-Mar-18	22-Feb-19	10-Feb-20	25-Mar-21
APEPDCL	27-Mar-18	22-Feb-19	10-Feb-20	25-Mar-21
APSPDCL	27-Mar-18	22-Feb-19	10-Feb-20	25-Mar-21
APCPDCL [#]	NA	NA	NA	25-Mar-21
Assam	19-Mar-18	1-Mar-19	7-Mar-20	15-Feb-21
APDCL	19-Mar-18	1-Mar-19	7-Mar-20	15-Feb-21
Bihar	21-Mar-18	25-Feb-19	20-Mar-20	26-Mar-21
NBPDCL	21-Mar-18	25-Feb-19	20-Mar-20	26-Mar-21
SBPDCL	21-Mar-18	25-Feb-19	20-Mar-20	26-Mar-21
Chhattisgarh	26-Mar-18	28-Feb-19	30-May-20	02-Aug-21
CSPDCL	26-Mar-18	28-Feb-19	30-May-20	02-Aug-21
Delhi	28-Mar-18	31-Jul-19	28-Aug-20	Not Issued
BRPL	28-Mar-18	31-Jul-19	28-Aug-20	Not Issued
BYPL	28-Mar-18	31-Jul-19	28-Aug-20	Not Issued
TPDDL	28-Mar-18	31-Jul-19	28-Aug-20	Not Issued
Gujarat	31-Mar-18	24-Apr-19	31-Mar-20	31-Mar-21
DGVCL	31-Mar-18	24-Apr-19	31-Mar-20	31-Mar-21
MGVCL	31-Mar-18	24-Apr-19	31-Mar-20	31-Mar-21
PGVCL	31-Mar-18	24-Apr-19	31-Mar-20	31-Mar-21
UGVCL	31-Mar-18	24-Apr-19	31-Mar-20	31-Mar-21
Haryana	15-Nov-18	7-Mar-19	1-Jun-20	30-Mar-21
DHBVNL	15-Nov-18	7-Mar-19	1-Jun-20	30-Mar-21
UHBVNL	15-Nov-18	7-Mar-19	1-Jun-20	30-Mar-21
Jharkhand	27-Apr-18	28-Feb-19	01-Oct-20	Not Issued
JBVNL	27-Apr-18	28-Feb-19	01-Oct-20	Not Issued
Karnataka	14-May-18	30-May-19	04-Nov-20	09-Jun-21
BESCOM	14-May-18	30-May-19	04-Nov-20	09-Jun-21
CHESCOM	14-May-18	30-May-19	04-Nov-20	09-Jun-21
GESCOM	14-May-18	30-May-19	04-Nov-20	09-Jun-21
HESCOM	14-May-18	30-May-19	04-Nov-20	09-Jun-21
MESCOM	14-May-18	30-May-19	04-Nov-20	09-Jun-21
Madhya Pradesh	3-May-18	8-Aug-19	17-Dec-20	30-Jun-21
MPMaKVCL	3-May-18	8-Aug-19	17-Dec-20	30-Jun-21

[*] Represents that the dates refer to MYT order instead of Retail Tariff orders:

- Maharashtra Tariff order for 2018-19 and 2019-20 was issued in Sep 2018 and MYT order for 2020-21 to 2024-25 was issued in March 2020
- Meghalaya MYT order for 2018-19 to 2020-21 was issued in March 2018
- Tripura MYT order for 2016-17 to 2020-21 was issued in September 2020
- Tamil Nadu MYT order for 2016-17 to 2018-19 was issued in August 2017
- Kerala MYT order for 2018-19 to 2021-22 was issued in July 2019
- J&K and Ladakh MYT order for 2016-17 to 2020-21 was issued in October 2016

Date of Issuance of Tariff Order (Distribution Utilities)

	Date of Issuance of Tariff Order			
	2018-19	2019-20	2020-21	2021-22
MPPaKVVCL	3-May-18	8-Aug-19	17-Dec-20	30-Jun-21
MPPoKVVCL	3-May-18	8-Aug-19	17-Dec-20	30-Jun-21
Maharashtra*	12-Sep-18	12-Sep-18	30-Mar-20	30-Mar-20
MSEDCL	12-Sep-18	12-Sep-18	30-Mar-20	30-Mar-20
Meghalaya*	31-Mar-18	31-Mar-18	25-Mar-20	25-Mar-21
MePDCL	31-Mar-18	31-Mar-18	25-Mar-20	25-Mar-21
Odisha	22-Mar-18	29-Mar-19	22-Apr-20	26-Mar-21
TPCODL	22-Mar-18	29-Mar-19	22-Apr-20	26-Mar-21
NESCO Utility	22-Mar-18	29-Mar-19	22-Apr-20	26-Mar-21
TPSODL	22-Mar-18	29-Mar-19	22-Apr-20	26-Mar-21
TPWODL	22-Mar-18	29-Mar-19	22-Apr-20	26-Mar-21
Rajasthan	28-May-18	6-Feb-20	Not Issued	Not Issued
AVVNL	28-May-18	6-Feb-20	Not Issued	Not Issued
JdVVNL	28-May-18	6-Feb-20	Not Issued	Not Issued
JVVNL	28-May-18	6-Feb-20	Not Issued	Not Issued
Telangana	27-Mar-18	Not Issued	Not Issued	Not Issued
TSNPDCL	27-Mar-18	Not Issued	Not Issued	Not Issued
TSSPDCL	27-Mar-18	Not Issued	Not Issued	Not Issued
Uttar Pradesh	22-Jan-19	3-Sep-19	11-Nov-20	29-Jul-21
DVVNL	22-Jan-19	3-Sep-19	11-Nov-20	29-Jul-21
KESCO	22-Jan-19	3-Sep-19	11-Nov-20	29-Jul-21
MVVNL	22-Jan-19	3-Sep-19	11-Nov-20	29-Jul-21
PaVVNL	22-Jan-19	3-Sep-19	11-Nov-20	29-Jul-21
PuVVNL	22-Jan-19	3-Sep-19	11-Nov-20	29-Jul-21
Uttarakhand	21-Mar-18	27-Feb-19	18-Apr-20	26-Apr-21
UPCL	21-Mar-18	27-Feb-19	18-Apr-20	26-Apr-21
GEDCO/Integrated Utilities				
Himachal Pradesh	4-May-18	29-Jun-19	6-Jun-20	31-May-21
HPSEBL	4-May-18	29-Jun-19	6-Jun-20	31-May-21
Kerala*	27-Mar-18	8-Jul-19	8-Jul-19	8-Jul-19
KSEBL	27-Mar-18	8-Jul-19	8-Jul-19	8-Jul-19
Manipur	12-Mar-18	26-Mar-19	20-Mar-20	26-Apr-21
MSPDCL	12-Mar-18	26-Mar-19	20-Mar-20	26-Apr-21
Punjab	19-Apr-18	27-May-19	1-Jun-20	28-May-21
PSPCL	19-Apr-18	27-May-19	1-Jun-20	28-May-21
Tamil Nadu*	11-Aug-17	Not Issued	Not Issued	Not Issued

[*] Represents that the dates refer to MYT order instead of Retail Tariff orders:

- Maharashtra Tariff order for 2018-19 and 2019-20 was issued in Sep 2018 and MYT order for 2020-21 to 2024-25 was issued in March 2020
- Meghalaya MYT order for 2018-19 to 2020-21 was issued in March 2018
- Tripura MYT order for 2016-17 to 2020-21 was issued in September 2020
- Tamil Nadu MYT order for 2016-17 to 2018-19 was issued in August 2017
- Kerala MYT order for 2018-19 to 2021-22 was issued in July 2019
- J&K and Ladakh MYT order for 2016-17 to 2020-21 was issued in October 2016

Date of Issuance of Tariff Order (Distribution Utilities)

	Date of Issuance of Tariff Order			
	2018-19	2019-20	2020-21	2021-22
TANGEDCO	11-Aug-17	Not Issued	Not Issued	Not Issued
Tripura*	1-Sep-20	1-Sep-20	1-Sep-20	Not Issued
TSECL	1-Sep-20	1-Sep-20	1-Sep-20	Not Issued
West Bengal	25-Aug-21	25-Aug-21	Not Issued	Not Issued
WBSEDCL	25-Aug-21	25-Aug-21	Not Issued	Not Issued
Power Departments				
Arunachal Pradesh	31-May-18	Not Issued	Not Issued	Not Issued
Arunachal PD	31-May-18	Not Issued	Not Issued	Not Issued
Goa	28-Mar-18	20-May-19	19-May-20	30-Mar-21
Goa PD	28-Mar-18	20-May-19	19-May-20	30-Mar-21
J&K and Ladakh*	7-Oct-16	7-Oct-16	7-Oct-16	Not Issued
JKPDD	7-Oct-16	7-Oct-16	7-Oct-16	Not Issued
Mizoram	12-Mar-18	22-Mar-19	20-Mar-20	26-Mar-21
Mizoram PD	12-Mar-18	22-Mar-19	20-Mar-20	26-Mar-21
Nagaland	29-Mar-18	23-Apr-19	20-Mar-20	Not Issued
Nagaland PD	29-Mar-18	23-Apr-19	20-Mar-20	Not Issued
Puducherry	28-Mar-18	20-May-19	22-Apr-20	7-Apr-21
Puducherry PD	28-Mar-18	20-May-19	22-Apr-20	7-Apr-21
Sikkim	28-Mar-18	29-May-19	16-Mar-20	26-Feb-21
Sikkim PD	28-Mar-18	29-May-19	16-Mar-20	26-Feb-21
Union Territories				
Andaman & Nicobar	26-Feb-18	20-May-19	18-May-20	31-May-21
ED Andaman & Nicobar	26-Feb-18	20-May-19	18-May-20	31-May-21
Chandigarh	28-Mar-18	20-May-19	19-May-20	30-Mar-21
Chandigarh ED	28-Mar-18	20-May-19	19-May-20	30-Mar-21
Dadra & Nagar Haveli	30-Jan-18	20-May-19	18-May-20	23-Mar-21
DNHPDCL	30-Jan-18	20-May-19	18-May-20	23-Mar-21
Daman & Diu	13-Mar-18	20-May-19	18-May-20	23-Mar-21
Daman & Diu ED	13-Mar-18	20-May-19	18-May-20	23-Mar-21
Lakshadweep	19-Mar-18	20-May-19	18-May-20	31-Mar-21
Lakshadweep ED	19-Mar-18	20-May-19	18-May-20	31-Mar-21

[*] Represents that the dates refer to MYT order instead of Retail Tariff orders:

- Maharashtra Tariff order for 2018-19 and 2019-20 was issued in Sep 2018 and MYT order for 2020-21 to 2024-25 was issued in March 2020
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- Kerala MYT order for 2018-19 to 2021-22 was issued in July 2019
- J&K and Ladakh MYT order for 2016-17 to 2020-21 was issued in October 2016

Date of Issuance of Tariff Order (Distribution Utilities)

Notes:

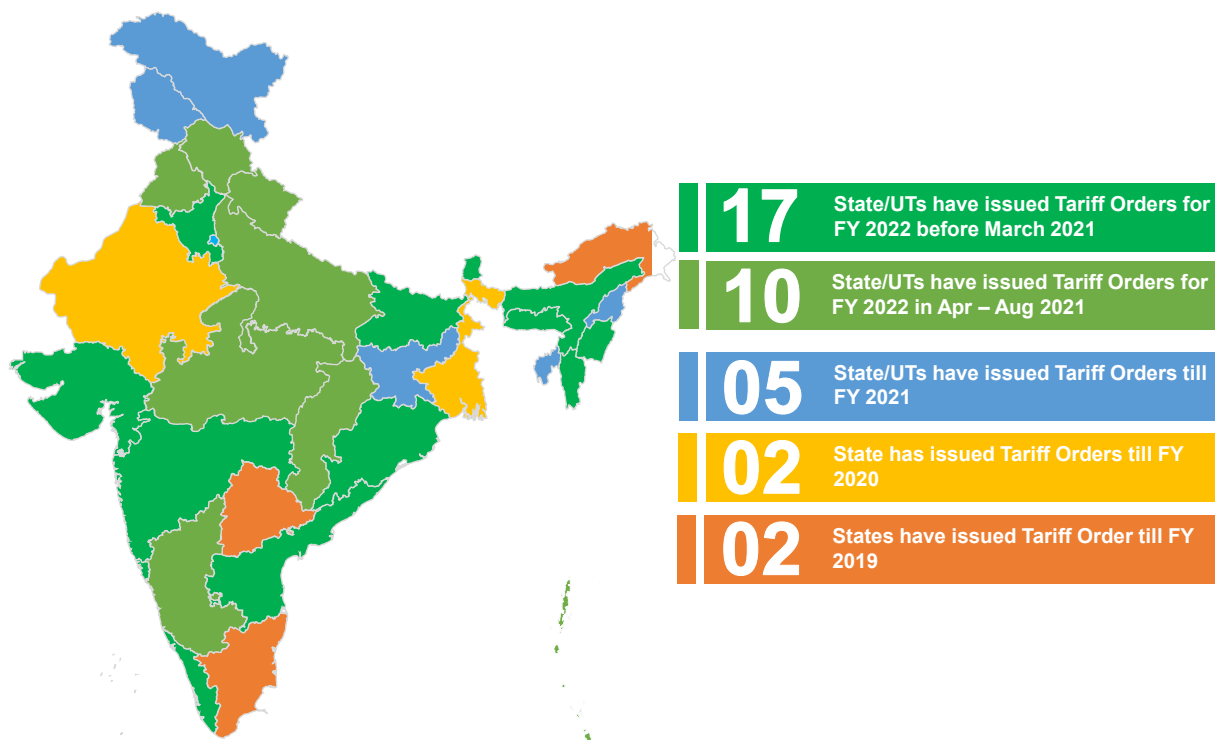
- A. Dates updated as on 30th June 2021
- B. For the state of Andhra Pradesh, regulatory commission has granted license to Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL), to undertake distribution of electricity in Krishna, Guntur and Prakasam districts of Andhra Pradesh state for 25 years with effect from 1st April 2020.

[*] Represents that the dates refer to MYT order instead of Retail Tariff orders:

- Maharashtra Tariff order for 2018-19 and 2019-20 was issued in Sep 2018 and MYT order for 2020-21 to 2024-25 was issued in March 2020
- Meghalaya MYT order for 2018-19 to 2020-21 was issued in March 2018
- Tripura MYT order for 2016-17 to 2020-21 was issued in September 2020
- Tamil Nadu MYT order for 2016-17 to 2018-19 was issued in August 2017
- Kerala MYT order for 2018-19 to 2021-22 was issued in July 2019
- J&K and Ladakh MYT order for 2016-17 to 2020-21 was issued in October 2016

Date of Issuance of Tariff Order (Distribution Utilities)

Summary of findings:



- a) 26 States/UTs have issued Retail Tariff Orders for FY 2022.
- b) 17 States/UTs namely Gujarat, Maharashtra, Kerala, Odisha, Haryana, Bihar, Mizoram, Manipur, Meghalaya, Assam, Sikkim, Andhra Pradesh, Goa, Chandigarh, Dadra & Nagar Haveli, Daman & Diu and Lakshadweep had issued these orders timely, i.e. before 31st Mar 2021.
- c) 10 States/UTs, namely Delhi, Tamil Nadu, Telangana, Arunachal Pradesh, Rajasthan, West Bengal, Jharkhand, Tripura, Nagaland and UTs of J&K, Ladakh have yet not issued tariff orders for FY 2022.

[*] Represents that the dates refer to MYT order instead of Retail Tariff orders:

- Maharashtra Tariff order for 2018-19 and 2019-20 was issued in Sep 2018 and MYT order for 2020-21 to 2024-25 was issued in March 2020
- Meghalaya MYT order for 2018-19 to 2020-21 was issued in March 2018
- Tripura MYT order for 2016-17 to 2020-21 was issued in September 2020
- Tamil Nadu MYT order for 2016-17 to 2018-19 was issued in August 2017
- Kerala MYT order for 2018-19 to 2021-22 was issued in July 2019
- J&K and Ladakh MYT order for 2016-17 to 2020-21 was issued in October 2016

Date of Issuance of Tariff Order (Transmission Utilities)

	Date of Issuance of Tariff Order	
	Applicable Period	Date of Issuance
TRANSCO		
Andhra Pradesh	2020-24	8-Mar-19
APTRANSCO	2020-24	8-Mar-19
Assam	2021-22	15-Feb-21
AEGCL	2021-22	15-Feb-21
Bihar	2021-22	19-Mar-21
BSPTCL	2021-22	19-Mar-21
Chhattisgarh	2021-22	02-Aug-21
CSPTCL	2021-22	02-Aug-21
Delhi	2020-21	28-Aug-20
DTL	2020-21	28-Aug-20
Gujarat	2021-22	30-Mar-21
GETCO	2021-22	30-Mar-21
Haryana	2021-25	21-May-20
HVPNL	2021-25	21-May-20
Himachal Pradesh	2019-24	29-Jun-21
HPPTCL	2019-24	29-Jun-21
Jharkhand	2017-21	24-Feb-18
JUSNL	2017-21	24-Feb-18
Karnataka	2021-22	9-Jun-21
KPTCL	2021-22	9-Jun-21
Kerala	2019-22	8-Jul-19
KSEB	2019-22	8-Jul-19
Madhya Pradesh	2017-19	10-Jun-16
MPPTCL	2017-19	10-Jun-16
Maharashtra	2021-25	30-Mar-20
MSETCL	2021-25	30-Mar-20
Manipur	2021-22	26-Apr-21
MSPCL	2021-22	26-Apr-21
Meghalaya	2022-24	25-Mar-21
MePTCL	2022-24	25-Mar-21
Odisha	2021-22	26-Mar-21
OPTCL	2021-22	26-Mar-21
Punjab	2021-22	28-May-21
PSTCL	2021-22	28-May-21
Rajasthan	2020-21	12-Oct-20
RRVNL	2020-21	12-Oct-20
Tamil Nadu	2017-19	11-Aug-17
TANTRANSCO	2017-19	11-Aug-17
Telangana	2020-24	20-Mar-20
TSTRANSCO	2020-24	20-Mar-20

Date of Issuance of Tariff Order (Transmission Utilities)

	Date of Issuance of Tariff Order	
	Applicable Period	Date of Issuance
Tripura	2017-21	1-Sep-21
TSECL	2017-21	1-Sep-21
Uttar Pradesh	2021-22	29-Jun-21
UPPTCL	2021-22	29-Jun-21
Uttarakhand	2021-22	26-Apr-21
PTCUL	2021-22	26-Apr-21
West Bengal	2021-23	25-Jun-21
WBSETCL	2021-23	25-Jun-21
Power Departments		
Arunachal Pradesh	2018-19	7-Jun-19
Arunachal PD	2018-19	7-Jun-19
J&K and Ladakh	2015-16	27-Feb-15
JKPDD-T	2015-16	27-Feb-15
Union Territories		
Dadra & Nagar Haveli	2021-22	23-Mar-21
DNHPDCL	2021-22	23-Mar-21

Notes:

- A. For the state of Mizoram, Nagaland, Sikkim, Goa and UTs of A&N Islands, Chandigarh, Daman & Diu, Puducherry and Lakshadweep, the respective commissions have not issued any tariff order for transmission as the respective PDs and EDs do not own any separate transmission asset/Utility.

Date of Issuance of Tariff Order (Generation Utilities)

	Date of Issuance of Tariff Order	
	Applicable Period	Date of Issuance
GENCO		
Andhra Pradesh	2020-24	29-Apr-19
APGENCO	2020-24	29-Apr-19
Assam	2021-22	15-Feb-21
APGCL	2021-22	15-Feb-21
Bihar	2018-19	7-Mar-18
BSPGCL	2018-19	7-Mar-18
Chhattisgarh	2021-22	02-Aug-21
CSPGCL	2021-22	02-Aug-21
Delhi	2020-21	28-Aug-20
IPGCL	2020-21	28-Aug-20
PPCL	2020-21	28-Aug-20
Gujarat	2021-22	30-Mar-21
GSECL	2021-22	30-Mar-21
Haryana	2021-22	18-Feb-21
HPGCL	2021-22	18-Feb-21
Himachal Pradesh	2015-19	10-Jun-14
HPSEB Ltd.	2015-19	10-Jun-14
Jharkhand	2017-21	25-Sep-18
JUUNL	2017-21	25-Sep-18
Karnataka²	2011-36	25-Feb-15
KPCL	2011-36	25-Feb-15
Kerala	2019-22	8-Jul-19
KSEB	2019-22	8-Jul-19
Madhya Pradesh	2014-16	1-Apr-13
MPPGCL	2014-16	1-Apr-13
Maharashtra	2021-25	1-Mar-21
MSPGCL	2021-25	1-Mar-21
Meghalaya	2022-24	25-Mar-21
MePGCL	2022-24	25-Mar-21
Odisha	2021-22	26-Mar-21
OHPC	2021-22	26-Mar-21
OPGCL	2021-22	26-Mar-21
Punjab	2021-22	28-May-21
PSPCL	2021-22	28-May-21
Rajasthan	2020-21	11-Sep-20
RRVUNL	2020-21	11-Sep-20
Tamil Nadu	2017-19	11-Aug-17
TANGEDCO	2017-19	11-Aug-17
Telangana	2014-19	5-Jun-17
TSGENCO	2014-19	5-Jun-17

Date of Issuance of Tariff Order (Generation Utilities)

	Date of Issuance of Tariff Order	
	Applicable Period	Date of Issuance
Tripura	2017-21	1-Sep-21
TPGL	2017-21	1-Sep-21
Uttar Pradesh	2015-19	3-Jul-18 & 29-Apr-16
UPJVNL	2015-19	3-Jul-18
UPRVUNL	2015-19	29-Apr-16
Uttarakhand	2020-22	27-Feb-19
UJVNL	2020-22	27-Feb-19
West Bengal	2017-18 & 2019-20	4-Jul-18 & 14-Jul-21
WBPDC	2019-20	14-Jul-21
WBSEDCL	2017-18	4-Jul-18
Power Departments		
Arunachal Pradesh	2019-20	20-Dec-19
Arunachal PD	2019-20	20-Dec-19
J&K and Ladakh	2015-16	27-Feb-15
JKSPDC	2015-16	27-Feb-15
Puducherry	2021-22	17-Apr-21
PPCL	2021-22	17-Apr-21

Notes:

- A. For the state of Mizoram, Manipur, Nagaland, Sikkim, Goa and UTs of A&N Islands, Chandigarh, Daman & Diu, Dadra & Nagar Haveli, and Lakshadweep, the respective commissions have not issued any generation tariff order as the respective PDs and EDs do not own any separate generation asset/Utility
- B. For the state of Karnataka, the Commission in its tariff order dated 25.02.2014 has approved tariff for Raichur Thermal Power Station for a period of 25 years starting FY 2011 based on MYT regulation for the control period 2009-14. MYT regulation for the control period 2014-19 is available but the commission is yet to approve tariff of any generation plant as per these regulations.



SECTION 2

DISTRIBUTION LOSSES



Distribution Losses, Billing and Collection Efficiency

(Figures in %)

	2018-19				2019-20				2020-21	2021-22
	Distribut ion Losses (Approv ed)	Distribu tion Losses (Actual)	Billing Efficien cy	Collecti on Efficien cy	Distribut ion Losses (Approv ed)	Distribut ion Losses (Actual)	Billing Efficien c y	Collecti on Efficien c y	Distribut ion Losses (Approv ed)	Distribut ion Losses (Approv ed)
DISCOMs										
Andhra Pradesh	9.14	7.70	92.30	80.53	8.80	7.62	92.38	96.58	8.77	8.33
APEPDCL	8.49	6.68	93.32	87.37	8.21	6.64	93.36	100.00	8.30	7.62
APSPDCL	9.51	8.26	91.74	76.67	9.15	8.19	91.81	94.57	9.05	9.10
APCPDCL ^C	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.17
Assam	16.85	19.70	80.30	99.46	16.00	19.06	80.94	94.67	15.50	15.00
APDCL	16.85	19.70	80.30	99.46	16.00	19.06	80.94	94.67	15.50	15.00
Bihar	21.11	30.16	69.84	95.49	15.00	25.19	74.81	79.69	15.00	15.00
NBPDCL	20.00	26.97	73.03	100.00	15.00	21.62	78.38	89.95	15.00	15.00
SBPDCL	22.00	32.42	67.58	92.03	15.00	27.89	72.11	71.22	15.00	15.00
Chhattisgarh¹⁰	14.64	18.14	81.86	85.75	14.73	17.68	82.32	92.71	13.96	14.22
CSPDCL	14.64	18.14	81.86	85.75	14.73	17.68	82.32	92.71	13.96	14.22
Delhi	9.91	8.62	91.38	99.40	9.24	7.14	92.86	98.86	8.25	--
BRPL	10.19	8.73	91.27	99.58	9.50	7.28	92.72	99.06	8.10	--
BYPL	11.69	9.33	90.67	98.60	10.50	7.30	92.70	98.62	9.00	--
TPDDL	8.19	7.93	92.07	99.74	8.00	6.83	93.17	98.76	7.90	--
Gujarat	13.57	13.44	86.56	99.37	12.62	10.40	89.60	98.27	12.21	10.75
DGVCL	10.00	5.90	94.10	100.00	9.90	3.04	96.96	96.72	9.80	6.50
MGVCL	11.70	9.41	90.59	99.56	11.60	9.15	90.85	97.62	11.55	9.00
PGVCL	20.00	20.50	79.50	99.11	17.00	17.85	82.15	98.34	16.00	16.00
UGVCL	9.80	11.20	88.80	99.08	9.70	6.73	93.27	99.84	9.60	9.00
Haryana	16.52	18.08	81.92	100.00	14.14	16.33	83.67	97.77	18.44 ¹	15.00
DHBVNL	14.14	15.34	84.66	100.00	14.14	14.37	85.63	97.66	16.53	15.00
UHBVNL	20.00	22.04	77.96	100.00	14.14	19.01	80.99	97.94	21.23	15.00
Jharkhand	15.00	22.89	77.11	92.59	14.00	22.46	77.54	81.30	13.00	--
JBVNL	15.00	22.89	77.11	92.59	14.00	22.46	77.54	81.30	13.00	--
Karnataka	13.03	12.87	87.13	92.00	12.95	12.04	87.96	93.69	12.24	11.27
BESCOM	12.25	12.27	87.73	95.99	12.25	11.99	88.01	93.27	11.65	11.00
CHESCOM	12.75	12.04	87.96	90.91	12.70	11.12	88.88	88.08	11.50	10.75
GESCOM	15.00	14.41	85.59	84.85	14.89	11.22	88.78	92.51	14.00	10.75
HESCOM	14.90	14.62	85.38	87.98	14.40	14.10	85.90	98.59	14.00	13.50
MESCOM	10.95	10.52	89.48	91.51	11.00	10.07	89.93	94.16	10.00	9.27
Madhya Pradesh	15.91	27.58	72.42	87.49	15.92	20.18	79.82	87.22	15.93	15.55
MPMaKVCL	17.00	36.72	63.28	86.84	17.00	27.60	72.40	86.78	17.00	17.00
MPPaKVCL	15.00	16.17	83.83	89.13	15.00	11.10	88.90	88.95	15.00	14.00
MPPoKVCL	16.00	30.57	69.43	85.86	16.00	22.52	77.48	85.33	16.00	16.00
Maharashtra	14.76	13.84	86.16	97.23	13.26	13.09	86.91	92.15	18.00 ²	16.00

Distribution Losses, Billing and Collection Efficiency

(Figures in %)

	2018-19				2019-20				2020-21	2021-22
	Distribut ion Losses (Approv ed)	Distribu tion Losses (Actual)	Billing Efficien cy	Collecti on Efficien cy	Distribut ion Losses (Approv ed)	Distribut ion Losses (Actual)	Billing Efficien c y	Collecti on Efficien c y	Distribut ion Losses (Approv ed)	Distribut ion Losses (Approv ed)
MSEDCL	14.76	13.84	86.16	97.23	13.26	13.09	86.91	92.15	18.00	16.00
Meghalaya	16.56	35.22	64.78	100.00	12.19	29.88	70.12	93.68	12.00	12.00
MePDCL	16.56	35.22	64.78	100.00	12.19	29.88	70.12	93.68	12.00	12.00
Odisha	21.24	24.30	75.70	90.42	21.28	20.65	79.35	89.55	21.16	21.17
TPCODL	23.00	28.15	71.85	93.96	23.00	23.15	76.85	92.35	23.00	22.93
NESCO Utility	18.35	18.74	81.26	92.78	18.35	17.12	82.88	91.16	18.35	18.35
TPSODL	25.50	29.76	70.24	83.52	25.50	24.47	75.53	84.67	25.00	25.00
TPWODL	19.60	21.32	78.68	87.85	19.60	18.73	81.27	87.59	19.60	19.60
Rajasthan	15.00	20.72	79.28	90.50	15.00	17.23	82.77	84.74	--	--
AVVNL	15.00	18.03	81.97	93.48	15.00	14.48	85.52	91.11	--	--
JdVVNL	15.00	23.12	76.88	84.29	15.00	19.38	80.62	76.59	--	--
JVVNL	15.00	20.54	79.46	93.46	15.00	17.21	82.79	87.18	--	--
Telangana⁵	11.11	6.08	93.92	87.52	--	7.95	92.05	85.24	--	--
TSNPDCL	11.77	9.90	90.10	81.40	--	9.04	90.96	72.48	--	--
TSSPDCL	10.81	4.34	95.66	90.13	--	7.43	92.57	91.21	--	--
Uttar Pradesh	15.89	18.68	81.32	82.16	11.96	18.48	81.52	85.81	11.54	11.08
DVVNL	16.25	20.96	79.04	79.55	12.10	21.27	78.73	76.53	11.80	11.33
KESCO	15.13	8.51	91.49	91.27	11.80	7.76	92.24	91.63	8.42	8.25
MVVNL	16.09	21.59	78.41	75.73	11.80	19.37	80.63	81.68	11.51	11.04
PaVVNL	15.20	14.83	85.17	91.26	11.80	15.59	84.41	96.39	11.51	11.04
PuVVNL	16.43	20.49	79.51	75.91	12.20	20.32	79.68	82.52	11.83	11.36
Uttarakhand	14.50	13.82	86.18	96.35	14.25	13.40	86.60	91.97	14.00	13.75
UPCL	14.50	13.82	86.18	96.35	14.25	13.40	86.60	91.97	14.00	13.75
GEDCO/ Integrated Utilities										
Himachal Pradesh⁸	12.00	12.46	87.54	100.00	10.30	11.68	88.32	100.00	10.10	9.90
HPSEBL	12.00	12.46	87.54	100.00	10.30	11.68	88.32	100.00	10.10	9.90
Kerala⁸	12.82	9.10	90.90	100.00	12.42	10.16	89.84	95.20	12.02	11.62
KSEBL	12.82	9.10	90.90	100.00	12.42	10.16	89.84	95.20	12.02	11.62
Manipur	16.40	25.86	74.14	83.40	15.00	13.12	86.88	91.77	25.40 ³	20.50
MSPDCL	16.40	25.86	74.14	83.40	15.00	13.12	86.88	91.77	25.40	20.50
Punjab	11.89	11.28	88.72	100.00	11.54	12.02	87.98	97.35	11.24	12.34 ⁹
PSPCL	11.89	11.28	88.72	100.00	11.54	12.02	87.98	97.35	11.24	12.34 ⁹
Tamil Nadu⁵	13.53	16.53	83.47	98.41	--	14.06	85.94	98.91	--	--
TANGEDCO	13.53	16.53	83.47	98.41	--	14.06	85.94	98.91	--	--
Tripura	32.55	31.68	68.32	94.42	17.02	30.04	69.96	88.84	15.79	--
TSECL	32.55	31.68	68.32	94.42	17.02	30.04	69.96	88.84	15.79	--
West Bengal	17.50	23.00	77.00	100.00	17.50	18.57	81.43	97.75	--	--
WBSEDCL	17.50	23.00	77.00	100.00	17.50	18.57	81.43	97.75	--	--

Distribution Losses, Billing and Collection Efficiency

(Figures in %)

	2018-19				2019-20				2020-21	2021-22
	Distribut ion Losses (Approv ed)	Distribu tion Losses (Actual)	Billing Efficien cy	Collecti on Efficien cy	Distribut ion Losses (Approv ed)	Distribut ion Losses (Actual)	Billing Efficien c y	Collecti on Efficien c y	Distribut ion Losses (Approv ed)	Distribut ion Losses (Approv ed)
Power Departments										
Arunachal Pradesh⁶	38.00	55.50	44.50	100.00	--	45.71	54.29	100.00	--	--
Arunachal PD	38.00	55.50	44.50	100.00	--	45.71	54.29	100.00	--	--
Goa	10.75	11.26	88.74	95.00	10.75	12.00	88.00	97.74	10.50	10.25
Goa PD	10.75	11.26	88.74	95.00	10.75	12.00	88.00	97.74	10.50	10.25
J&K and Ladakh⁷	25.00	39.00	61.00	82.06	15.00	50.11	49.89	79.25	14.00	--
JKPDD	25.00	39.00	61.00	82.06	15.00	50.11	49.89	79.25	14.00	--
Mizoram	18.30	16.20	83.80	100.00	16.52	20.66	79.34	100.00	26.29 ⁴	18.16
Mizoram PD	18.30	16.20	83.80	100.00	16.52	20.66	79.34	100.00	26.29	18.16
Nagaland	21.50	25.00	75.00	79.92	21.00	52.93	47.07	100.00	20.75	--
Nagaland PD	21.50	25.00	75.00	79.92	21.00	52.93	47.07	100.00	20.75	--
Puducherry	11.00	13.27	86.73	92.50	12.50	12.75	87.25	93.47	11.75	11.00
Puducherry PD	11.00	13.27	86.73	92.50	12.50	12.75	87.25	93.47	11.75	11.00
Sikkim	24.00	29.80	70.20	82.86	22.00	28.72	71.28	99.77	20.00	20.00
Sikkim PD	24.00	29.80	70.20	82.86	22.00	28.72	71.28	99.77	20.00	20.00
Union Territories										
Andaman & Nicobar⁸	13.59	23.20	76.80	99.76	14.34	22.60	77.40	99.87	13.84	13.34
ED Andaman & Nicobar	13.59	23.20	76.80	99.76	14.34	22.60	77.40	99.87	13.84	13.34
Chandigarh	12.25	4.21	95.79	100.00	9.40	4.60	95.40	100.00	9.30	9.20
Chandigarh ED	12.25	4.21	95.79	100.00	9.40	4.60	95.40	100.00	9.30	9.20
Dadra & Nagar Haveli	4.70	3.93	96.07	98.42	4.30	3.56	96.44	100.00	4.20	4.10
DNHPDCL	4.70	3.93	96.07	98.42	4.30	3.56	96.44	100.00	4.20	4.10
Daman & Diu	8.30	6.19	93.81	100.00	6.70	4.07	95.93	100.00	6.60	6.50
Daman & Diu ED	8.30	6.19	93.81	100.00	6.70	4.07	95.93	100.00	6.60	6.50
Lakshadweep⁸	12.25	8.87	91.13	84.13	12.75	14.13	85.87	99.83	12.50	12.25
Lakshadweep ED	12.25	8.87	91.13	84.13	12.75	14.13	85.87	99.83	12.50	12.25

Notes:

- A. Actual values are as per Report on Performance of State Power Utilities (2019-20) published by PFC Ltd.
- B. Approved Values are as per tariff order issued by the respective State Electricity Regulatory Commission (SERCs) or Joint Electricity Regulatory Commissions (JERCs)

Distribution Losses, Billing and Collection Efficiency

(Figures in %)

- C. For the state of Andhra Pradesh, regulatory commission has granted license to Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL), to undertake distribution of electricity in Krishna, Guntur and Prakasam districts of Andhra Pradesh state for 25 years with effect from 1st April 2020
- D. State level aggregation is based on average of DISCOM level values weighted against corresponding energy sales.

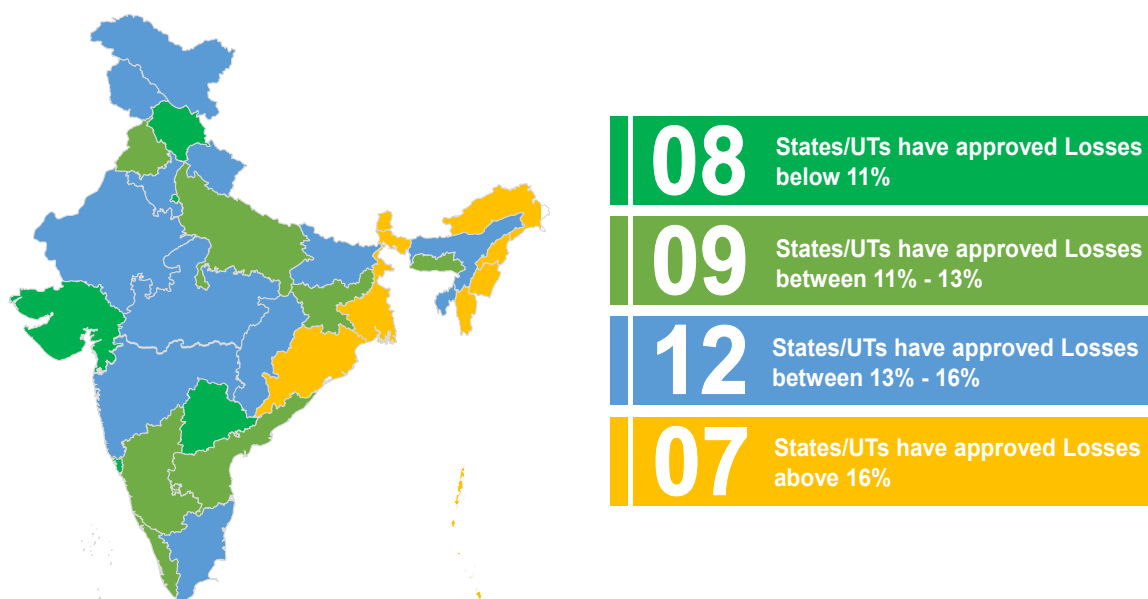
Remarks:

1. In Haryana, the commission has approved higher distribution losses for FY 2021 due to the impact COVID envisaged on sales wherein low loss HT, NDS and LT sales are expected to witness negative growth while comparatively higher loss DS Sales is expected to register normal growth.
2. For the state of Maharashtra, distribution losses for 2019-20 are as per provisional true-up order. The approved distribution losses have increased in 2019-20 mainly on account of re-assessment of agriculture sales on the basis of findings of the study conducted by the working group for agricultural consumption.
3. In Manipur, the Commission has approved distribution losses (for 2020-21) on the basis of actual distribution losses (as submitted by MSPDCL).
4. In Mizoram, approved distribution losses have increased in 2020-21 mainly on account of re-assessment of distribution losses carried out by the Commission on the basis of a detailed energy audit. The Commission has also revised approved losses for 2019-20 during the Annual Performance Review.
5. For the state of Telangana and Tamil Nadu, approved distribution losses for 2019-20 and 2020-21 are as mentioned in the MYT 2018-19.
6. For the state of Arunachal Pradesh, AT&C loss values have been considered as mentioned in the tariff order 2018-19.
7. For Jammu and Kashmir, approved distribution losses (for 2018-19, 2019-20, and 2020-21) are as per ARR for 2nd MYT control period from FY 2016-17 to FY 2020-21
8. For Himachal Pradesh, Kerala, Andaman & Nicobar and Lakshadweep, T&D loss values have been considered as mentioned in the respective tariff order.
9. Distribution loss has increased from FY 2021 to FY 2022, as for FY 2021 the same was based on provisional distribution loss for FY 2019 as baseline whereas for FY 2022 it is based on actual distribution loss for FY 2019 as baseline (Punjab).
10. In Chhattisgarh, the commission has approved higher distribution losses for FY 2022. The approved distribution losses for consumers below 33kV have been continued at 16% as approved in FY 2021 whereas higher distribution losses for EHV consumers has been approved on account of lower approved sales compared to FY 2021.

Distribution Losses, Billing and Collection Efficiency

(Figures in %)

Summary of findings:



- a) 8 States/UTs namely Andhra Pradesh, Gujarat, Himachal Pradesh, Goa, Chandigarh, Dadra and Nagar Haveli, Daman & Diu and Puducherry have approved Distribution losses below 11%
- b) 7 States, namely Odisha, West Bengal, Sikkim, Arunachal Pradesh, Nagaland, Manipur, and Mizoram have their approved losses above 16%.



SECTION 3

AVERAGE BILLING RATE



Average Billing Rate

(Figures in Rs/kWh)

	2018-19		2019-20		2020-21	2021-22
	Approved	Actual*	Approved	Actual*	Approved	Approved
DISCOMS						
Andhra Pradesh	5.84	5.00	5.99	4.56	6.50	6.33
APEPDCL	5.77	5.11	5.81	5.00	6.41	6.39
APSPDCL	5.89	4.94	6.09	4.33	6.75	6.13
APCPDCL ^C	NA	-	NA	-	NA	6.59
Assam²	7.35	6.64	7.05	6.25	7.87	7.55
APDCL	7.35	6.64	7.05	6.25	7.87	7.55
Bihar⁵	7.37	4.72	7.14	4.52	7.05	7.38
NBPDCL	7.06	4.40	6.85	4.33	6.94	7.21
SBPDCL	7.62	5.00	7.41	4.70	7.16	7.53
Chhattisgarh¹³	6.20	4.05	6.07	3.77	5.93	6.29
CSPDCL	6.20	4.05	6.07	3.77	5.93	6.29
Delhi	7.56	6.85	7.16	6.98	7.41	--
BRPL	7.52	7.25	7.11	6.99	7.41	--
BYPL	7.47	6.85	6.98	6.44	7.05	--
TPDDL	7.67	6.38	7.36	7.38	7.69	--
Gujarat⁶	5.85	5.00	5.81	5.44	5.87	6.23
DGVCL	6.61	6.43	6.57	6.92	6.64	6.92
MGVCL	6.26	5.52	6.06	6.34	6.11	6.52
PGVCL	5.61	4.83	5.66	5.22	5.72	6.15
UGVCL	5.20	3.80	5.25	4.06	5.32	5.56
Haryana⁴	7.06	4.99	7.05	4.79	7.23	6.78
DHBVNL	7.06	4.71	7.05	4.53	10.00	6.78
UHBVNL	7.06	5.43	7.05	5.17	10.00	6.78
Jharkhand	5.86	4.37	6.32	3.94	6.53	--
JBVNL	5.86	4.37	6.32	3.94	6.53	--
Karnataka	6.75	4.68	7.20	4.98	7.93	8.12
BESCOM	6.80	5.90	7.37	6.23	8.30	8.42
CHESCOM	6.37	3.74	6.93	3.68	7.46	7.61
GESCOM	6.74	3.86	7.02	4.10	7.64	7.74
HESCOM	6.80	2.75	7.08	3.11	7.76	8.00
MESCOM	6.86	4.84	7.13	5.09	7.28	7.94
Madhya Pradesh	6.03	4.04	6.59	3.64	6.51	6.60
MPMaKVVCL	6.08	4.34	6.69	3.81	6.26	7.31
MPPaKVVCL	6.02	3.90	6.53	3.56	6.64	5.80
MPPoKVVCL	6.00	3.93	6.57	3.57	6.60	6.85
Maharashtra	6.58	5.64	6.80	5.99	7.28	7.26
MSEDCL	6.58	5.64	6.80	5.99	7.28	7.26
Meghalaya⁷	6.54	4.98	--	4.57	6.76	6.26

Average Billing Rate

(Figures in Rs/kWh)

	2018-19		2019-20		2020-21	2021-22
MePDCL	6.54	4.98	--	4.57	6.76	6.26
Odisha⁸	4.69	5.10	4.77	5.22	4.82	5.29
TPCODL	4.74	5.24	4.80	5.23	4.90	5.36
NESCO Utility	4.81	5.10	4.86	5.27	4.90	5.30
TPSODL	4.30	4.65	4.40	4.90	4.43	4.95
TPWODL	4.70	5.14	4.85	5.31	4.86	5.36
Rajasthan	6.96	4.32	7.90	4.39	--	--
AVVNL	7.18	4.71	8.51	5.16	--	--
JdVVNL	6.44	3.43	7.05	3.35	--	--
JVVNL	7.27	4.78	8.16	4.72	--	--
Telangana	6.08	4.23	--	4.79	--	--
TSNPDCL	6.48	3.05	--	4.08	--	--
TSSPDCL	5.90	4.72	--	5.13	--	--
Uttar Pradesh¹²	6.91	5.38	7.38	5.70	7.55	7.58
DVVNL	6.61	5.15	6.60	5.44	7.28	7.30
KESCO	7.77	7.72	8.16	7.94	8.27	8.11
MVVNL	7.06	5.72	7.99	6.30	7.75	7.81
PaVVNL	6.90	5.51	7.28	5.64	7.49	7.45
PuVVNL	6.95	4.79	7.58	5.17	7.58	7.73
Uttarakhand⁹	5.06	4.79	5.32	5.31	5.61	5.80
UPCL	5.06	4.79	5.32	5.31	5.61	5.80
GEDCO/ Integrated Utilities						
Himachal Pradesh	5.34	5.09	5.36	5.00	5.18	5.18
HPSEBL	5.34	5.09	5.36	5.00	5.18	5.18
Kerala¹	N/A	5.80	6.55	6.13	N/A	N/A
KSEBL	N/A	5.80	6.55	6.13	N/A	N/A
Manipur	10.88	4.73	9.31	4.61	9.11	11.72
MSPDCL	10.88	4.73	9.31	4.61	9.11	11.72
Punjab	6.39	4.62	6.54	4.68	6.50	6.44
PSPCL	6.39	4.62	6.54	4.68	6.50	6.44
Tamil Nadu	6.14	4.72	--	4.40	--	--
TANGEDCO	6.14	4.72	--	4.40	--	--
Tripura	4.80	5.03	4.85	5.27	4.90	--
TSECL	4.80	5.03	4.85	5.27	4.90	--
West Bengal	7.10	6.15	6.98	6.02	--	--
WBSEDCL	7.10	6.15	6.98	6.02	--	--
Power Departments						
Arunachal Pradesh	13.30	3.77	--	4.65	--	--
Arunachal PD	13.30	3.77	--	4.65	--	--
Goa	5.36	4.90	5.56	4.85	5.57	5.63
Goa PD	5.36	4.90	5.56	4.85	5.57	5.63

Average Billing Rate

(Figures in Rs/kWh)

	2018-19		2019-20		2020-21	2021-22
J&K and Ladakh	N/A	3.16	N/A	3.58	N/A	--
JKPDD	N/A	3.16	N/A	3.58	N/A	--
Mizoram	6.36	4.95	5.86	4.34	8.85	7.65
Mizoram PD	6.36	4.95	5.86	4.34	8.85	7.65
Nagaland	8.29	2.52	8.67	3.95	10.19	--
Nagaland PD	8.29	2.52	8.67	3.95	10.19	--
Puducherry¹⁰	5.46	5.43	5.92	5.39	5.85	5.82
Puducherry PD	5.46	5.43	5.92	5.39	5.85	5.82
Sikkim	4.90	3.90	4.26	4.29	4.15	4.44
Sikkim PD	4.90	3.90	4.26	4.29	4.15	4.44
Union Territories						
Andaman & Nicobar	17.99	6.04	25.36	6.34	27.39	29.47
ED Andaman & Nicobar	17.99	6.04	25.36	6.34	27.39	29.47
Chandigarh¹¹	5.47	4.61	5.44	5.12	5.53	5.10
Chandigarh ED	5.47	4.61	5.44	5.12	5.53	5.10
Dadra & Nagar Haveli	4.68	4.98	4.69	5.38	5.37	5.11
DNHPDCL	4.68	4.98	4.69	5.38	5.37	5.11
Daman & Diu	3.99	3.88	4.18	4.44	4.90	4.90
Daman & Diu ED	3.99	3.88	4.18	4.44	4.90	4.90
Lakshadweep	19.56	4.65	25.66	4.90	27.55	31.51
Lakshadweep ED	19.56	4.65	25.66	4.90	27.55	31.51

Notes:

- A. Actual values are as per Report on Performance of State Power Utilities (2019-20) published by PFC Ltd.
- B. Approved Values are as per tariff order issued by the respective SERCs/JERCs
- C. For the state of Andhra Pradesh, regulatory commission has granted license to Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL), to undertake distribution of electricity in Krishna, Guntur and Prakasam districts of Andhra Pradesh state for 25 years with effect from 1st April 2020
- D. State level aggregation is based on average of DISCOM level values weighted against corresponding energy sales.
- E. Average billing rate has been estimated by dividing revenue from sale of power at approved tariff and approved subsidy with estimated energy sale.
- F. ABR values include subsidy booked

Average Billing Rate

(Figures in Rs/kWh)

Remarks:

1. For the state of Kerala, ABR values are not available as revenue from sale of power at approved tariff is not provided in case of MYT orders
2. For the state of Assam, the commission has approved full cost tariff in the absence of written communication for tariff subsidy in 2021-22 tariff order
3. For the state of Gujarat, approved revenue from FPPPA charges have been added in the revenue from sale of power at approved tariff. The base FPPPA rate approved by commission is Rs. 1.8/kWh for 2021-22
4. For the state of Haryana, DISCOM wise breakup of revenue from sale of power at approved tariff is not available in tariff order. Hence, revenue for the DISCOMs have been estimated as percentage proportion of total sales for 2018-19 to 2021-22
5. For NBPDC (Bihar), ABR is greater than ACoS by Rs 1.17/kWh in 2021-22. This is mainly on account of a significant revenue surplus of Rs. 1425 Cr resulting from true up of 2019-20.
6. For the state of Gujarat, ABR is greater than ACoS by Rs.0.10/kWh in 2021-22. Commission has approved a cumulative revenue surplus of Rs. 1718 Cr. while determining ARR for 2021-22. Further the commission has not provided any treatment for this revenue surplus since this is on estimate basis.
7. For the state of Meghalaya, ABR is greater than ACoS by Rs 0.32/kWh in 2021-22. Commission has approved a revenue surplus of Rs.47.39 Crore based on existing tariffs.
8. For TPWODL (Odisha), ABR is greater than ACoS by Rs. 0.11/kWh in 2021-22. Commission has approved a revenue surplus of Rs 74.23 Crore at revised tariff for 2021-22
9. For Uttarakhand, ABR is greater than ACoS by Rs 0.04/kWh in 2021-22. Commission has approved surplus of Rs. 60 Cr.in order to absorb any future impact of tariff rationalization measures approved by the commission.
10. For Puducherry, ABR is greater than ACoS by Rs 0.04/kWh in 2021-22. This is on account of revenue surplus of Rs 11.18 Cr approved by the Commission based on revised tariffs for FY 2021-22. Additionally, the commission has revised the regulatory surcharge rates to 5% in order to recover past year revenue gap of Rs. 371.72 Cr.
11. For Chandigarh, ABR is greater than ACoS by Rs 0.05/kWh in 2021-22. The Commission has approved a revenue surplus of Rs 8.12 Cr for 2021-22 despite a 9.58% decrease in tariff across all categories.
12. For Uttar Pradesh, ABR is greater than ACoS by Rs 0.04/kWh in 2021-22. The Commission has approved a revenue Surplus of Rs.387.54 Crore with the approved tariffs for FY 2021-22
13. For the state of Chhattisgarh, ABR is greater than ACoS by Rs 0.97/kWh in 2021-22. Commission has approved a revenue surplus of Rs.1804.28 Crore based on existing tariffs.

Change in Average Billing Rate

(Figures in %)

	YoY change in ABR (incl. tariff subsidy)			
	2018-19	2019-20	2020-21	2021-22
DISCOMS				
Andhra Pradesh	5%	2%	9%	(3%)
APEPDCL	5%	1%	10%	0%
APSPDCL	6%	3%	11%	(9%)
APCPDCL ^B	NA	NA	NA	NA
Assam	(1%)	(4%)	12%	(4%)
APDCL	(1%)	(4%)	12%	(4%)
Bihar	4%	(3%)	(1%)	5%
NBPDCL	1%	(3%)	1%	4%
SBPDCL	5%	(3%)	(3%)	5%
Chhattisgarh	(4%)	(2%)	(2%)	6%
CSPDCL	(4%)	(2%)	(2%)	6%
Delhi	0%	(5%)	3%	--
BRPL	2%	(5%)	4%	--
BYPL	1%	(7%)	1%	--
TPDDL	(3%)	(4%)	4%	--
Gujarat	1%	(1%)	1%	6%
DGVCL	1%	(1%)	1%	4%
MGVCL	1%	(3%)	1%	7%
PGVCL	1%	1%	1%	8%
UGVCL	1%	1%	1%	5%
Haryana	(1%)	0%	3%	(6%)
DHBVNL	(1%)	0%	42%	(32%)
UHBVNL	(1%)	0%	42%	(32%)
Jharkhand	42%	8%	3%	--
JBVNL	42%	8%	3%	--
Karnataka	5%	7%	10%	2%
BESCOM	5%	8%	13%	1%
CHESCOM	3%	9%	8%	2%
GESCOM	7%	4%	9%	1%
HESCOM	6%	4%	10%	3%
MESCOM	5%	4%	2%	9%
Madhya Pradesh	(3%)	9%	(1%)	1%
MPMaKVCL	(5%)	10%	(6%)	17%
MPPaKVCL	(2%)	8%	2%	(13%)
MPPoKVCL	(3%)	9%	0%	4%
Maharashtra	2%	3%	7%	0%
MSEDCL	2%	3%	7%	0%
Meghalaya	3%	N/A	N/A	(7%)
MePDCL	3%	N/A	N/A	(7%)

Change in Average Billing Rate

(Figures in %)

	YoY change in ABR (incl. tariff subsidy)			
	2018-19	2019-20	2020-21	2021-22
Odisha	0%	2%	1%	10%
TPCODL	0%	1%	2%	9%
NESCO Utility	0%	1%	1%	8%
TPSODL	2%	2%	1%	12%
TPWODL	(2%)	3%	0%	10%
Rajasthan	0%	14%	--	--
AVVNL	(1%)	19%	--	--
JdVVNL	0%	9%	--	--
JVVNL	0%	12%	--	--
Telangana	2%	--	--	--
TSNPDCL	1%	--	--	--
TSSPDCL	2%	--	--	--
Uttar Pradesh	11%	7%	2%	0%
DVVNL	4%	0%	10%	0%
KESCO	6%	5%	1%	(2%)
MVVNL	12%	13%	(3%)	1%
PaVVNL	6%	5%	3%	(1%)
PuVVNL	23%	9%	0%	2%
Uttarakhand	3%	5%	5%	3%
UPCL	3%	5%	5%	3%
GEDCO/Integrated Utilities				
Himachal Pradesh	1%	0%	(3%)	0%
HPSEBL	1%	0%	(3%)	0%
Kerala	N/A	N/A	N/A	N/A
KSEBL	N/A	N/A	N/A	N/A
Manipur	30%	(14%)	(2%)	29%
MSPDCL	30%	(14%)	(2%)	29%
Punjab	4%	2%	(1%)	(1%)
PSPCL	4%	2%	(1%)	(1%)
Tamil Nadu	5%	--	--	--
TANGEDCO	5%	--	--	--
Tripura	0%	1%	1%	--
TSECL	0%	1%	1%	--
West Bengal	6%	(2%)	--	--
WBSEDCL	6%	(2%)	--	--
Power Departments				
Arunachal Pradesh	37%	--	--	--
Arunachal PD	37%	--	--	--
Goa	1%	4%	0%	1%
Goa PD	1%	4%	0%	1%

Change in Average Billing Rate

(Figures in %)

	YoY change in ABR (incl. tariff subsidy)			
	2018-19	2019-20	2020-21	2021-22
J&K and Ladakh	N/A	N/A	N/A	N/A
JKPDD	N/A	N/A	N/A	N/A
Mizoram	12%	(8%)	51%	(14%)
Mizoram PD	12%	(8%)	51%	(14%)
Nagaland	1%	5%	18%	--
Nagaland PD	1%	5%	18%	--
Puducherry	4%	8%	(1%)	0%
Puducherry PD	4%	8%	(1%)	0%
Sikkim	2%	(13%)	(3%)	7%
Sikkim PD	2%	(13%)	(3%)	7%
Union Territories				
Andaman & Nicobar	(3%)	41%	8%	8%
ED Andaman & Nicobar	(3%)	41%	8%	8%
Chandigarh	7%	(1%)	2%	(8%)
Chandigarh ED	7%	(1%)	2%	(8%)
Dadra & Nagar Haveli	11%	0%	14%	(5%)
DNHPDCL	11%	0%	14%	(5%)
Daman & Diu	(8%)	5%	17%	0%
Daman & Diu ED	(8%)	5%	17%	0%
Lakshadweep	(1%)	31%	7%	14%
Lakshadweep ED	(1%)	31%	7%	14%

Notes:

- A. Change in ABR for a year has been estimated by comparing approved ABR for the current year with approved ABR of the previous year. ABR values are inclusive of tariff subsidy, wherever applicable.
- B. For the state of Andhra Pradesh, regulatory commission has granted license to Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL), to undertake distribution of electricity in Krishna, Guntur and Prakasam districts of Andhra Pradesh state for 25 years with effect from 1st April 2020.
- C. Values between -1 and 1 have been rounded off to nil.

Change in Average Billing Rate

Remarks:

Change in ABR (in %)		
States/UTs	Year	Reasoning
Andhra Pradesh	2021-22	ABR has reduced on account of decrease in approved sales (875 MU) and consequent decrease in revenue (~Rs 407 Cr), hence leading to a reduction in ACS also. Reduction in revenue is disproportionately higher than that in sales due to an unfavorable change in sales mix [Reduction in sales to subsidizing categories (HT commercial and Industrial) and increase in sales to subsidized categories (LT domestic and agriculture).
Assam	2019-20	The ABR has reduced from previous year as revenue has reduced despite an increase in sales. Also, a higher ARR surplus (than previous year) has been adjusted through revised tariff, further bringing down the revenue from sale of power
	2020-21	ABR has increased over previous year as a result of change in sales mix. Though the total sales have reduced over previous year, reduction in LT sales is much higher than in HT sales which has led to a higher revenue at the same approved tariff
	2021-22	The ABR has reduced from previous year as revenue has reduced despite an increase in sales. The commission has reduced the tariff as revenue at existing tariff (approved in FY 2021) was higher than the ARR approved for FY 2022
Bihar	2019-20	The ABR has reduced over previous year as revenue has reduced despite an increase in sales. This is on account of change in sales mix wherein sales to subsidized categories (Kutir Jyoti and DS) has more than doubled over previous year while similar increase in subsidizing categories has not been observed.
Chhattisgarh	2018-19	The ABR has reduced over previous year despite an increase in sales as the commission has reduced tariff across categories to adjust the cumulative surplus (Rs 530.83 Cr) approved in the year.
	2019-20	The ABR has reduced over previous year despite an increase in sales as the commission has reduced tariff across the categories to adjust the cumulative surplus (Rs 539.92 Cr) approved in the year.
	2020-21	ABR has reduced over previous year despite an increase in sales as well as revenue, However, the increase in revenue (~4%) is not commensurate with increase in sales (6.3%) as the commission has approved nil tariff increase.
Delhi	2019-20	The ABR has reduced over previous year as the commission has rationalized fixed charges leading to a reduction in revenue from Domestic category for BRPL and BYPL despite an increase in the sales for the category
Haryana	2021-22	ABR has reduced over previous years as the increase in revenue (~8%) has been non-commensurate to increase in sales (~19%) over previous year as increase in sales is largely concentrated in subsidized categories

Change in Average Billing Rate

Change in ABR (in %)		
States/UTs	Year	Reasoning
Jharkhand	2018-19	The Commission has approved new tariff structure starting this financial year, wherein the tariff is determined without consideration to subsidy (RGF in this case). This has led to a notional increase in ABR over previous year
Madhya Pradesh	2018-19	ABR has reduced over previous year as the revenue from power sale has decreased despite an increase in total sales (except MP Central discom, where total sales have also decreased). This is on account of a change in sales mix wherein sales to Industrial category is reduced, while those to domestic has increased
	2020-21	ABR has reduced over previous year as the increase in revenue from sales (~2%) was non commensurate with respect to increase in total sales (~9%). This was on account of change in sales mix; Sales to Industrial category (~200 MU) is replaced by sales to Domestic category.
	2021-22	The commission has adjusted large true up amounts (East: Rs 1,725 Cr; Rs -3,518.7 Cr; Rs 3,119.7 Cr.) in F Y2022 ARR of the 3 DISCOMs. As a result, which has resulted into large complementary Revenue gap/surplus in case of West and Central DISCOMs (West: -2,224 Cr; Central: 1,550 Cr). Accordingly, the impact on tariff due to the above adjustment has led to large changes in ABR for West and Central Discom while ABR of the state has not changed much.
Meghalaya	2021-22	The commission has approved a revenue surplus of Rs 44 Cr which has led to downward revision of tariff. Therefore, the total increase in revenue is not commensurate with total increase in sales over last year.
Odisha	2021-22	ABR has increased over previous year as revenue have increased 9% despite the tariff remaining same and decrease in sales by ~1% (also accompanied by a relative increase in LT sales compared to HT and EHT categories). Further, the commission has not provided categorywise break up of sales or revenue.
Rajasthan	2019-20	ABR has increase ~14% over previous year as total revenue has increased ~35% on account of ~19% increase in total sales, increase in tariff subsidy and tariff. Also, that there was almost nil increase in ABR from FY 2018 to 2019 (nil tariff increase) has also contributed (lower base effect).
Uttar Pradesh	2018-19	ABR has increased ~11% aggregated for all DISCOMs over previous year on account of significant increase in tariff subsidy (Additional subsidy of Rs 3265 Cr).
	2019-20	ABR has increase ~13% over previous year for MVVNL as revenue from sales has increased ~1.6% despite a ~10% decrease in total sales. This is on account of change in sales mix as sales to subsidizing categories (commercial and Large & heavy power) while those to domestic category has reduced.
	2020-21	<ul style="list-style-type: none"> ABR has increased over previous year for DVVNL as revenue has increased ~6.5% despite a ~3.4% decrease in sales. This is on account of relatively higher increase in sales to subsidizing category (large and heavy power industrial). For MVVNL, ABR has decreased on account of a decrease in revenue (2.8%) due to reduction in tariff subsidy.

Change in Average Billing Rate

Change in ABR (in %)		
States/UTs	Year	Reasoning
	2021-22	<ul style="list-style-type: none"> For KESCO, ABR has reduced over previous year. This might be on account of increase in revenue (~2.4%) has been non-commensurate to increase in sales (~4.5%) over previous year.
Himachal Pradesh	2020-21	ABR has reduced over previous year as revenue from sales has decreased ~0.9% largely resulting from a ~7.5% decrease in sales to large industries category
Manipur	2018-19	ABR has increased 30% over previous year on account of a ~51% (~Rs 100 Cr.) increase in budgetary support from the government provided to bridge the revenue gap, which has increased over previous year.
	2019-20	The ABR has reduced ~14% over previous year due to a 27% (~Rs 82 Cr) decrease in budgetary support from the government provided to bridge the revenue gap.
	2021-22	ABR has increased 29% over previous year on account of a ~65% (~Rs 113 Cr.) increase in budgetary support from the government provided to bridge the revenue gap.
Arunachal Pradesh	2018-19	ABR has increased 37% over previous year on account of a ~44% (~Rs 116 Cr.) increase in budgetary support from the government provided to bridge the revenue gap. The Commission has bridged entire revenue gap (Rs 379.66 Cr) through budgetary support
West Bengal	2019-20	ABR has reduced over previous year on account of transferring of entire distribution business of DPL to WBSEDCL which has lower tariff rate as compared to average ABR of WBSEDCL
Mizoram	2018-19	ABR has increased ~12% over previous year on account of increase in tariff (~10 Cr) and ~27% (Rs 27 Cr.) increase in budgetary support from the government provided to bridge the revenue gap (Rs 125 Cr).
	2019-20	ABR has reduced ~8% over previous year despite an increase in sales and revenue. This is on account of ~8% (Rs 10 Cr) decrease budgetary support from the government provided to bridge the revenue gap (~Rs 116 Cr).
	2020-21	ABR has increased ~51% over previous year on account of ~39% (Rs 45 Cr.) increase in budgetary support from the government provided to bridge the revenue gap (Rs 160 Cr).
	2021-22	ABR has decreased ~14% over previous year on account of ~50% (Rs 82 Cr.) decrease in budgetary support from the government provided to bridge the revenue gap (Rs 82.9 Cr). ABR, excluding subsidy has actually increased in FY 2022 on account of increase in both sales and revenue.
Nagaland	2020-21	ABR has increased ~18% over previous year despite a 5% reduction in total sales. This is on account of ~41% (Rs 85 Cr) increase in budgetary support from the government provided to bridge the revenue gap (~Rs 294 Cr).
Sikkim	2019-20	ABR has reduced ~13% over previous year on account of 29% (Rs 91 Cr) decrease in revenue from sales to consumers within state despite ~5% increase in total sales. This is on account of shift in consumer mix—Sales to Domestic consumers has

Change in Average Billing Rate

Change in ABR (in %)		
States/UTs	Year	Reasoning
		increased to ~3 times (83 MU) while that to commercial and HT category has increased by only ~1.7 times. Also, a higher percentage (61% in FY 2019 compared to 52% in FY 2018) is going to outside sales which is at a lower ABR compared to sales within state.
	2020-21	ABR has reduced over previous year as the increase in revenue (9%) has been non-commensurate to increase in sales (12%). This is due to relatively higher increase in sale to subsidized category (domestic) compared to that for industrial category.
Andaman & Nicobar	2018-19	ABR has reduced on account of change in sales mix thereby relative reduction in revenue for Commercial category
	2019-20	ABR has increased ~41% over previous year on two accounts: ~19% (Rs 32 Cr.) increase in revenue from sales and ~65% (Rs 214 Cr) increase in revenue gap, which is to be bridged through budgetary support. Gap has increased on account of an increase in ARR owing to increase in power purchase cost.
Chandigarh	2021-22	ABR has reduced on account of ~3% reduction in revenue even as the sales increased by 6%. The decrease in revenue is due to a ~31% decrease in sales to industrial category even as sales to domestic category increased by ~27%.
Dadra & Nagar Haveli	2020-21	The ABR has increased ~14% over previous year as the commission has approved a tariff increase to adjust Rs 429 Cr of cumulative revenue gap till FY 2021.
	2021-22	ABR has reduced on account of a ~7% decrease in revenue even as sales have reduced by ~2%. The disproportionate decrease in revenue is due to ~6.5% and ~7% decrease in revenue from LT and HT industry categories respectively
Daman & Diu	2018-19	ABR has reduced ~8% over previous years as the increase in revenue (~15%) has been non-commensurate to increase in sales (~26%) over previous year as increase in sales is largely concentrated in subsidized categories
	2020-21	The ABR has increase ~17% over previous year as the commission has increased tariff to adjust a cumulative Revenue gap of Rs 233 Cr till FY 2021.
Lakshadweep	2019-20	ABR has increased ~31% despite a 24% reduction in sales (largely Domestic) and only a marginal increase in tariff. This is on account of a cumulative revenue gap of Rs. 111.76 Cr., which has been adjusted through budgetary support provided from the government.
	2021-22	ABR has increased on account of increase in revenue from domestic and commercial categories even leading to a ~14% increase in overall revenue even as sales have increased only by ~1%.



SECTION 4

AVERAGE COST OF SUPPLY >>>>

Average Cost of Supply

(Figures in Rs./kWh)

	2018-19		2019-20		2020-21	2021-22
	Approved	Actual*	Approved	Actual*	Approved	Approved
DISCOMs						
Andhra Pradesh	5.84	8.75	5.99	7.26	6.73	6.33
APEPDCL	5.77	8.32	5.81	6.26	6.59	6.39
APSPDCL	5.89	8.99	6.09	7.85	6.82	6.13
APCPDCL ^C	NA	-	NA	-	NA	6.59
Assam	6.68	9.11	6.73	8.85	7.07	7.40
APDCL	6.68	9.11	6.73	8.85	7.07	7.40
Bihar	7.35	9.61	6.57 ⁴	9.20	7.05	7.38
NBPDCL	7.18	10.03	5.53	9.62	6.96	6.04
SBPDCL	7.49	9.28	7.51	8.85	7.13	8.53
Chhattisgarh	6.20	7.32	6.07	7.31	5.93	5.32
CSPDCL	6.20	7.32	6.07	7.31	5.93	5.32
Delhi	7.41	8.46	7.12	8.64	7.39	--
BRPL	7.47	8.29	7.11	8.61	7.38	--
BYPL	7.41	8.88	6.86	8.74	7.03	--
TPDDL	7.34	8.40	7.32	8.60	7.68	--
Gujarat	5.80	6.11	5.91	6.46	5.97	6.22
DGVCL	6.63	6.82	6.48	7.16	6.85	7.02
MGVCL	6.18	6.23	6.07	6.60	6.16	6.62
PGVCL	5.55	6.07	5.89	6.44	5.85	5.94
UGVCL	5.13	5.49	5.39	5.80	5.29	5.65
Haryana	6.97	8.00	6.89	7.24	7.49	6.79
DHBVNL	N/A	7.35	6.69	6.90	7.25	6.66
UHBVNL	N/A	9.03	7.20	7.74	7.84	6.98
Jharkhand	5.86	7.37	6.51	8.63	6.39	--
JBVNL	5.86	7.37	6.51	8.63	6.39	--
Karnataka	6.75	7.35	7.20	7.79	7.77	8.12
BESCOM	6.80	7.89	7.37	8.29	8.14	8.42
CHESCOM	6.37	6.66	6.93	6.81	7.30	7.61
GESCOM	6.74	6.89	7.02	8.30	7.47	7.74
HESCOM	6.80	7.19	7.08	6.99	7.60	8.00
MESCOM	6.86	6.24	7.13	7.28	7.13	7.94
Madhya Pradesh	6.03	8.43	6.59	7.55	6.51	6.60
MPMaKVVCL	6.08	9.95	6.69	8.28	6.52	7.31
MPPaKVVCL	6.02	7.07	6.53	6.61	6.64	5.80
MPPoKVVCL	6.00	8.77	6.57	8.06	6.34	6.85
Maharashtra	6.67	7.64	7.03	8.36	7.51	7.36
MSEDCL	6.67	7.64	7.03	8.36	7.51	7.36
Meghalaya	7.65	10.72	7.80	10.79	7.76 ¹	5.94
MePDCL	7.65	10.72	7.80	10.79	7.76	5.94
Odisha	4.68	6.27	4.77	6.03	4.79	5.25
TPCODL	4.73	6.19	4.80	6.04	4.87	5.36
NESCO Utility	4.78	5.45	4.86	5.87	4.86	5.30

Average Cost of Supply

(Figures in Rs./kWh)

	2018-19		2019-20		2020-21	2021-22
TPSODL	4.30	5.61	4.40	6.36	4.41	4.95
TPWODL	4.70	7.28	4.85	6.00	4.81	5.25
Rajasthan	7.04	9.09	8.04	8.88	--	--
AVVNL	7.19	9.52	8.08	8.70	--	--
JdVVNL	6.97	8.93	8.14	9.13	--	--
JVVNL	6.99	8.92	7.92	8.78	--	--
Telangana	6.02	7.48	--	7.55	--	--
TSNPDCL	6.29	7.91	--	7.58	--	--
TSSPDCL	5.90	7.29	--	7.54	--	--
Uttar Pradesh	6.17	7.85	7.35	7.83	7.05	7.54
DVVNL	6.69	8.17	7.24	7.47	6.81	7.26
KESCO	5.11	9.34	7.07	8.76	7.77	8.06
MVVNL	6.98	8.78	7.72	8.30	7.23	7.77
PaVVNL	5.21	7.03	6.99	7.44	7.00	7.41
PuVVNL	6.46	7.72	7.66	8.13	7.08	7.69
Uttarakhand	5.05	6.03	5.28	6.03	5.53	5.76
UPCL	5.05	6.03	5.28	6.03	5.53	5.76
GEDCO/ Integrated Utilities						
Himachal Pradesh	5.33	8.12	5.36	7.83	5.18	5.18
HPSEBL	5.33	8.12	5.36	7.83	5.18	5.18
Kerala	6.11	6.56	6.51	6.67	6.43	6.36
KSEBL	6.11	6.56	6.51	6.67	6.43	6.36
Manipur	12.00	10.21	10.51 ⁵	9.39	9.33 ⁶	11.90 ⁷
MSPDCL	12.00	10.21	10.51	9.39	9.33	11.90
Punjab	5.74	6.92	6.45	7.13	6.63	6.42
PSPCL	5.74	6.92	6.45	7.13	6.63	6.42
Tamil Nadu	5.84	8.51	--	8.24	--	--
TANGEDCO	5.84	8.51	--	8.24	--	--
Tripura	4.89	16.32	4.89	16.83	5.00	--
TSECL	4.89	16.32	4.89	16.83	5.00	--
West Bengal	6.75	8.23	6.87	8.22	--	--
WBSEDCL	6.75	8.23	6.87	8.22	--	--
Power Departments						
Arunachal Pradesh	13.40	16.23	--	14.74	--	--
Arunachal PD	13.40	16.23	--	14.74	--	--
Goa	5.36	5.42	5.56	5.60	5.57	5.63
Goa PD	5.36	5.42	5.56	5.60	5.57	5.63
J&K and Ladakh	5.84	7.53	5.28	9.20	5.22	--
JKPDD	5.84	7.53	5.28	9.20	5.22	--
Mizoram	6.35	13.56	5.86	11.44	8.85	7.65 ²
Mizoram PD	6.35	13.56	5.86	11.44	8.85	7.65
Nagaland	8.29	12.98	8.67	17.79	10.40	--
Nagaland PD	8.29	12.98	8.67	17.79	10.40	--

Average Cost of Supply

(Figures in Rs./kWh)

	2018-19		2019-20		2020-21	2021-22
Puducherry	5.28	5.64	5.70	6.79	5.89	5.78
Puducherry PD	5.28	5.64	5.70	6.79	5.89	5.78
Sikkim	4.89	11.78	4.26 ⁸	11.72	4.34	5.59 ³
Sikkim PD	4.89	11.78	4.26	11.72	4.34	5.59
Union Territories						
Andaman & Nicobar	17.99	31.57	25.36	31.79	27.39	29.45
ED Andaman & Nicobar	17.99	31.57	25.36	31.79	27.39	29.45
Chandigarh	5.11	5.57	5.12	5.11	4.99	5.05
Chandigarh ED	5.11	5.57	5.12	5.11	4.99	5.05
Dadra & Nagar Haveli	4.38	5.04	4.93	5.43	5.18	5.17
DNHPDCL	4.38	5.04	4.93	5.43	5.18	5.17
Daman & Diu	4.22	3.28	4.67	4.21	5.02	4.99
Daman & Diu ED	4.22	3.28	4.67	4.21	5.02	4.99
Lakshadweep	19.56	27.16	25.66	26.67	27.55	31.47
Lakshadweep ED	19.56	27.16	25.66	26.67	27.55	31.47

Notes:

- A. Actual values are as per Report on Performance of State Power Utilities (2019-20) published by PFC Ltd.
- B. Approved Values are as per tariff order issued by the respective SERCs/JERCs
- C. For the state of Andhra Pradesh, regulatory commission has granted license to Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL), to undertake distribution of electricity in Krishna, Guntur and Prakasam districts of Andhra Pradesh state for 25 years with effect from 1st April 2020.
- D. State level aggregation is based on average of DISCOM level values weighted against corresponding energy sales.

Remarks:

1. For the state of Meghalaya, the per unit power purchase cost has reduced from Rs. 3.30/kWh in FY 2020 to Rs. 2.93/kWh in FY 2021 leading to a decrease in overall ACOS for FY 2021.
2. For the state of Mizoram, ACOS has reduced in FY 2022 on account of a higher increase in sales (~19%) corresponding to ARR which has increased only ~3%. This subdued increase in ARR is on account of adjustment of surplus carry forwarded from FY 2020.
3. For the state of Sikkim, ACOS has increased in FY 2022 on account of a ~22% decrease in total sales even as the total ARR remained same as that in previous year. While the sales within state has not changed much, sales outside state has reduced by ~35% (258 MU).
4. For the state of Bihar, ACOS has reduced in FY 2020 as the total ARR has increased only ~11%, even as the sales have increased by ~24%. The increase in ARR is subdued because increase in sales is concentrated in low consumption (Kutir Jyoti and DS) categories and

Average Cost of Supply

(Figures in Rs./kWh)

therefore, a commensurate increase in total power purchase cost (and thus ARR) is not observed.

5. For the state of Manipur, ACoS has reduced in FY 2020 while the sales have increased (~13%) due to reduction in power purchase cost from Rs 7.12/ kWh in FY 2019 to Rs 5.98/ kWh in FY 2020. The reduction is due to decrease in average cost of power purchase from OPTC Pallatana unit 1&2 (Rs 3.82/kWh to Rs 3.28/kWh) and Loktak HE (Rs 4.76/kWh to Rs 3.34/kWh).
6. For the state of Manipur, ACoS has reduced in FY 2021 on account of a surplus adjustment of Rs 40 Cr in the total ARR. Efficiency gains in form of arrear collection has accrued in form of surplus.
7. For the state of Manipur, ACoS has increased in FY 2022 mainly on account of increase in power purchase cost by ~23%, this is mainly due to increase in average cost of power purchase from NTPC Bongaigaon unit I, II&III from Rs 7.07/kWh to Rs 11.34/kWh.
8. For the state of Sikkim, ACoS has reduced in FY 2020 mainly on account of non-commensurate increase in sales (~29%) compared to ARR (~11%). The increase in sales is due to higher sales outside state.

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SECTION 5

REPRESENTATIVE TARIFFS



Representative Tariffs

(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Domestic (3KW, 100 Units per month)						
			State	Energy Charges	Fixed Charges	Electrical Duty	Total	Govt Subsidy	Effective Rate
1	1-Apr-21	2021-22	Andhra Pradesh ^{2(c)}	2.60	0.00	0.06	2.66	-	2.66
2	1-Apr-21	2021-22	Assam ^{2(a)}	4.90	1.50	0.20	6.60	-	6.60
3	1-Apr-21	2021-22	Bihar ^{2(a)}	6.10	1.20	0.44	7.74	-	7.74
4	1-Aug-21	2021-22	Chhattisgarh ^{2(b)}	3.60	0.60	0.29	4.49	-	4.49
5	1-Sep-20	2020-21	Delhi ^{2(a)}	3.00	1.50	0.23	4.73	-	4.73
6	1-Apr-21	2021-22	Gujarat ^{2(a)}	3.28	0.25	0.53	4.05	-	4.05
7	1-Jun-20	2021-22	Haryana ^{2(b)}	2.25	0.00	0.10	2.35	-	2.35
8	1-Oct-20	2020-21	Jharkhand ^{2(a)}	6.25	0.75	0.20	7.20	-	7.20
9	1-Apr-21	2021-22	Karnataka ^{2(c)}	4.83	2.75	0.68	8.26	-	8.26
10	8-July-21	2021-22	Madhya Pradesh ^{3&2(a)}	4.59	1.09	0.51	6.19	-	6.19
11	1-Apr-21	2021-22	Maharashtra ^{4&2(a)}	4.82	1.02	0.77	6.61	-	6.61
12	1-Apr-21	2021-22	Meghalaya ^{2(a)}	4.00	1.80	0.05	5.85	-	5.85
13	4-Apr-21	2021-22	Odisha ^{2(a)}	3.90	0.60	0.16	4.66	-	4.66
14	1-Feb-20	2019-20	Rajasthan ^{2(a)}	5.63	2.30	0.40	8.33	-	8.33
15	1-Apr-18	2018-19	Telangana ^{2(c)}	2.03	-	0.06	2.09	-	2.09
16	1-Apr-21	2021-22	Uttar Pradesh ^{2(b)}	3.35	2.70	0.05	6.10	-	6.10
17	1-Apr-21	2021-22	Uttarakhand ^{3&2(a)}	2.80	0.60	0.15	3.55	-	3.55
18	1-Jun-21	2021-22	Himachal Pradesh ^{2(c)}	3.95	0.70	0.14	4.79	2.40	2.39
19	8-Jul-19	2020-21	Kerala ^{2(a)}	3.43	0.90	0.43	4.76	-	4.76
20	1-May-21	2021-22	Manipur ^{2(b)}	5.10	1.95	0.71	7.76	-	7.76
21	1-Jun-21	2021-22	Punjab ^{2(c)}	3.74	1.80	0.83	6.37	-	6.37
22	11-Aug-17	2017-18	Tamil Nadu ^{32(c)}	2.50	0.15	0.00	2.65	1.25	1.40

Representative Tariffs

(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Domestic (3KW, 100 Units per month)						
			State	Energy Charges	Fixed Charges	Electrical Duty	Total	Govt Subsidy	Effective Rate
23	1-Sep-20	2020-21	Tripura ^{3&2(c)}	4.82	0.40	0.31	5.53	-	5.53
24	1-Apr-19	2019-20	West Bengal ^{2(a)}	5.53	0.45	0.60	6.33	-	6.58
25	1-Jun-18	2018-19	Arunachal Pradesh ^{3&2(b)}	4.00	0.00	0.00	4.00	-	4.00
26	1-Apr-21	2021-22	Goa ^{2(b)}	1.50	0.25	0.20	1.95	-	1.95
27	1-Oct-16	2016-17	J&K and Ladakh ^{2(b)}	1.69	0.17	0.52	2.38	-	2.38
28	1-Apr-21	2021-22	Mizoram ^{3&2(b)}	4.80	1.50	0.00	6.30	-	6.30
29	1-Apr-20	2020-21	Nagaland ^{3&2(b)}	5.23	0.10	0.00	5.33	-	5.33
30	1-Apr-21	2021-22	Puducherry ^{3&2(a)}	1.55	0.40	0.00	2.05	-	2.05
31	1-Apr-21	2021-22	Sikkim ^{3&2(a)}	1.50	0.00	0.00	1.44	-	1.44
32	1-Jun-21	2021-22	Andaman & Nicobar ^{3&2(b)}	2.25	0.20	0.00	2.45	-	2.45
33	1-Apr-21	2021-22	Chandigarh ^{2(a)}	2.50	0.30	0.09	2.89	-	2.89
34	1-Apr-21	2021-22	Dadra & Nagar Haveli ^{3&2(a)}	1.75	0.10	0.00	1.85	-	1.85
35	1-Apr-21	2021-22	Daman & Diu ^{3&2(a)}	1.40	0.20	0.00	1.60	-	1.60
36	1-Apr-21	2021-22	Lakshadweep ^{3&2(b)}	1.35	0.20	0.00	1.55	-	1.55

Notes:

1. The final tariff rates have been calculated based on energy charges, fixed charges, tariff subsidy (if any) and electricity duty.
2. All the states above have been categorized into one of the three categories
 - a) Those for which the commission has approved tariff schedule without considering subsidy
 - b) Those for which the commission has approved tariff schedule with subsidy; no separate subsidy rates were provided

Representative Tariffs

(Figures in Rs/kWh)

- c) Those for which the commission has approved tariff schedule both; with and without subsidies (category wise)

Remarks:

3. Electricity duty have been considered from CEA report “Tariff and Duty of Electricity Supply in India” released on March 2014
4. The values are as per MYT tariff order for the control period FY 2020 to FY 2025. Tariff schedule for FY2022 has been considered (Maharashtra)

Representative Tariffs

(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Domestic (3KW, 500 Units per month)						
			State	Energy Charges	Fixed Charges	Electrical Duty	Total	Govt Subsidy	Effective Rate
1	1-Apr-21	2021-22	Andhra Pradesh ^{2(c)}	6.39	0.00	0.06	6.45	-	6.45
2	1-Apr-21	2021-22	Assam ^{2(a)}	6.37	0.30	0.20	6.87	-	6.87
3	1-Apr-21	2021-22	Bihar ^{2(a)}	7.44	0.24	0.46	8.14	-	8.14
4	1-Aug-21	2021-22	Chhattisgarh ^{2(b)}	4.80	0.12	0.38	5.30	-	5.30
5	1-Sep-20	2020-21	Delhi ^{2(a)}	4.30	0.30	0.23	4.83	-	4.83
6	1-Apr-21	2021-22	Gujarat	4.50	0.05	0.68	5.23	-	5.23
7	1-Jun-20	2021-22	Haryana ^{2(b)}	4.95	0.00	0.10	5.05	-	5.05
8	1-Oct-20	2020-21	Jharkhand ^{2(a)}	6.25	0.15	0.24	6.64	-	6.64
9	1-Apr-21	2021-22	Karnataka ^{2(c)}	7.28	0.55	0.70	8.53		8.53
10	8-July-21	2021-22	Madhya Pradesh ^{3&2(a)}	6.02	1.50	0.90	8.42		8.42
11	1-Apr-21	2021-22	Maharashtra ^{4&2(a)}	9.15	0.20	1.46	10.82	-	10.82
12	1-Apr-21	2021-22	Meghalaya ^{2(a)}	5.28	0.36	0.05	5.69	-	5.69
13	4-Apr-21	2021-22	Odisha ^{2(a)}	5.30	0.12	0.21	5.63	-	5.63
14	1-Feb-20	2019-20	Rajasthan ^{2(a)}	7.04	0.69	0.40	8.13	-	8.13
15	1-Apr-18	2018-19	Telangana ^{2(c)}	6.94	0.00	0.06	7.00	-	7.00
16	1-Apr-21	2021-22	Uttar Pradesh ^{2(b)}	6.05	0.05	0.34	6.44	-	6.44
17	1-Apr-21	2021-22	Uttarakhand ^{3&2(a)}	4.81	0.60	0.15	5.56	-	5.56
18	1-Jun-21	2021-22	Himachal Pradesh ^{2(c)}	4.87	0.14	0.15	5.16	1.10	4.06
19	8-Jul-19	2020-21	Kerala ^{2(a)}	7.10	0.26	0.74	8.10	-	8.10
20	1-May-21	2021-22	Manipur ^{2(b)}	6.26	0.39	0.67	7.32	-	7.32
21	1-Jun-21	2021-22	Punjab ^{2(c)}	6.00	0.36	0.95	7.32	-	7.32

Representative Tariffs

(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Domestic (3KW, 500 Units per month)						
			State	Energy Charges	Fixed Charges	Electrical Duty	Total	Govt Subsidy	Effective Rate
22	11-Aug-17	2017-18	Tamil Nadu^{3&2(c)}	5.28	0.05	0.00	5.33	0.25	5.08
23	1-Sep-20	2020-21	Tripura^{3&2(c)}	6.24	0.10	0.38	6.72		6.72
24	1-Apr-19	2019-20	West Bengal^{2(a)}	6.85	0.09	0.69	7.64	-	7.64
25	1-Jun-18	2018-19	Arunachal Pradesh^{3&2(b)}	4.00	0.00	0.00	4.00	-	4.00
26	1-Apr-21	2021-22	Goa^{2(b)}	2.90	0.05	0.20	3.15	-	3.15
27	1-Oct-16	2016-17	J&K and Ladakh^{2(b)}	2.80	0.03	0.52	3.36	-	3.36
28	1-Apr-21	2021-22	Mizoram^{3&2(b)}	5.60	0.30	0.00	5.90	-	5.90
29	1-Apr-20	2020-21	Nagaland^{3&2(b)}	6.35	0.02	0.00	6.37	-	6.37
30	1-Apr-21	2021-22	Puducherry^{3&2(a)}	4.18	0.09	0.00	4.48	-	4.48
31	1-Apr-21	2021-22	Sikkim^{3&2(a)}	3.10	0.00	0.00	2.97	-	2.97
32	1-Jun-21	2021-22	Andaman & Nicobar^{3&2(b)}	5.77	0.04	0.00	5.81	-	5.81
33	1-Apr-21	2021-22	Chandigarh^{2(a)}	3.81	0.06	0.09	3.96	-	3.96
34	1-Apr-21	2021-22	Dadra & Nagar Haveli^{3&2(a)}	2.45	0.02	0.00	2.47	-	2.47
35	1-Apr-21	2021-22	Daman & Diu^{3&2(a)}	2.28	0.04	0.00	2.32	-	2.32
36	1-Apr-21	2021-22	Lakshadweep^{3&2(b)}	4.67	0.04	0.00	4.71	-	4.71

Notes:

- The final tariff rates have been calculated based on energy charges, fixed charges, tariff subsidy (if any) and electricity duty.
- All the states above have been categorized into one of the three categories
 - Those for which the commission has approved tariff schedule without considering subsidy
 - Those for which the commission has approved tariff schedule with subsidy, no separate subsidy rates were provided

Representative Tariffs

(Figures in Rs/kWh)

- c) Those for which the commission has approved tariff schedule both, with and without subsidies (category wise)

Remarks:

3. Electricity duty have been considered from CEA report “Tariff and Duty of Electricity Supply in India” released on March 2014
4. The values are as per MYT tariff order for the control period FY 2020 to FY 2025. Tariff schedule for FY2022 has been considered (Maharashtra)

Representative Tariffs

(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Non-Domestic (5KW, 500 Units per month)				
			State	Energy Charges	Fixed Charges	Electrical Duty	Total
1	1-Apr-21	2021-22	Andhra Pradesh	8.92	0.75	0.06	9.73
2	1-Apr-21	2021-22	Assam	7.20	1.30	0.20	8.70
3	1-Apr-21	2021-22	Bihar	7.08	1.80	0.53	9.41
4	1-Aug-21	2020-22	Chhattisgarh	6.98	1.20	0.84	9.02
5	1-Sep-20	2020-21	Delhi	8.50	2.50	0.55	11.55
6	1-Apr-21	2021-22	Gujarat	4.35	0.50	1.21	6.06
7	1-Jun-20	2021-22	Haryana	7.05	0.00	0.10	7.15
8	1-Oct-20	2020-21	Jharkhand	6.25	0.15	0.30	6.70
9	1-Apr-21	2021-22	Karnataka	9.25	1.05	0.93	11.23
10	8-July-21	2021-22	Madhya Pradesh ¹	6.40	1.53	1.19	9.12
11	1-Apr-21	2021-22	Maharashtra ²	8.56	0.83	1.80	11.19
12	1-Apr-21	2021-22	Meghalaya	7.10	1.20	0.06	8.36
13	4-Apr-21	2021-22	Odisha	7.02	0.30	0.28	7.60
14	1-Feb-20	2019-20	Rajasthan	8.52	0.76	0.40	9.68
15	1-Apr-18	2018-19	Telangana	8.82	0.60	0.06	9.48
16	1-Apr-21	2021-22	Uttar Pradesh	7.86	4.50	0.05	12.41
17	1-Apr-21	2021-22	Uttarakhand ¹	5.80	0.90	0.15	6.85
18	1-Jun-21	2021-22	Himachal Pradesh	5.10	0.26	0.43	5.79
19	8-Jul-19	2020-21	Kerala	8.00	1.40	0.94	10.34
20	1-May-21	2021-22	Manipur	7.35	0.85	0.82	9.02
21	1-Jun-21	2021-22	Punjab	7.12	0.45	1.14	8.70
22	11-Aug-17	2017-18	Tamil Nadu	8.05	0.70	0.44	9.19
23	1-Sep-20	2020-21	Tripura ¹	6.93	0.12	0.00	7.05
24	1-Apr-19	2019-20	West Bengal	7.48	0.30	0.78	8.56
25	1-Jun-18	2018-19	Arunachal Pradesh ¹	5.00	0.00	0.00	5.00

Representative Tariffs

(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Non-Domestic (5KW, 500 Units per month)				
			State	Energy Charges	Fixed Charges	Electrical Duty	Total
26	1-Apr-21	2021-22	Goa	4.57	0.10	0.70	5.37
27	1-Oct-16	2016-17	J&K and Ladakh ¹	3.86	0.42	0.87	5.15
28	1-Apr-21	2021-22	Mizoram ¹	6.98	0.80	0.00	7.78
29	1-Apr-20	2020-21	Nagaland ¹	8.43	0.03	0.00	8.46
30	1-Apr-21	2021-22	Puducherry ¹	6.92	0.75	0.00	8.05
31	1-Apr-21	2021-22	Sikkim ¹	5.36	1.00	0.00	6.10
32	1-Jun-21	2021-22	Andaman & Nicobar ¹	8.70	0.06	0.00	8.76
33	1-Apr-21	2021-22	Chandigarh	4.70	0.20	0.11	5.01
34	1-Apr-21	2021-22	Dadra & Nagar Haveli ¹	3.90	0.04	0.00	3.94
35	1-Apr-21	2021-22	Daman & Diu ¹	3.84	0.05	0.00	3.89
36	1-Apr-21	2021-22	Lakshadweep ¹	8.49	0.06	0.00	8.55

Notes:

- A. The final tariff rates have been calculated based on energy charges, fixed charges, tariff subsidy (if any) and electricity duty.

Remarks:

- Electricity duty have been considered from CEA report "Tariff and Duty of Electricity Supply in India" released on March 2014
- The values are as per MYT tariff order for the control period FY2020 to FY2025. Tariff schedule for FY2022 has been considered (Maharashtra).

Representative Tariffs

(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Agriculture (7.5KW 15% LF, 817 Units per month)						
			State	Energy Charge	Fixed Charge	Electric al Duty	Total	Govt Subsidy	Effective Rate
1	1-Apr-21	2021-22	Andhra Pradesh ^{2(c)}	0.00	0.00	0.00	0.00	-	0.00
2	1-Apr-21	2021-22	Assam ^{2(a)}	4.30	0.41	0.20	4.91	-	4.91
3	1-Apr-21	2021-22	Bihar ^{2(a)}	5.55	0.37	0.36	6.27	-	6.27
4	1-Aug-21	2021-22	Chhattisgarh ^{2(b)}	4.90	1.22	0.00	6.12	-	6.12
5	1-Sep-20	2020-21	Delhi ^{2(a)}	1.50	1.15	0.13	2.78	-	2.78
6	1-Apr-21	2021-22	Gujarat ^{2(b)}	0.60	0.24	0.00	0.84	-	0.84
7	1-Jun-20	2021-22	Haryana ^{2(b)}	0.10	0.00	0.00	0.10	-	0.10
8	1-Oct-20	2020-21	Jharkhand ^{2(a)}	5.00	0.24	0.02	5.26	-	5.26
9	1-Apr-21	2021-22	Karnataka ^{2(c)}	4.30	0.00	0.00	4.30	4.30	0.00
10	8-July-21	2021-22	Madhya Pradesh ^{3 & 2(a)}	5.36	0.86	0.00	6.22	-	6.22
11	1-Apr-21	2021-22	Maharashtra ^{4&2(a)}	3.29	0.51	0.00	3.80	-	3.80
12	1-Apr-21	2021-22	Meghalaya ^{2(a)}	3.00	0.92	0.24	4.15	-	4.15
13	4-Apr-21	2021-22	Odisha ^{2(a)}	1.50	0.10	0.03	1.63	-	1.63
14	1-Feb-20	2019-20	Rajasthan ^{2(a)}	5.55	0.37	0.04	5.96	-	5.96
15	1-Apr-18	2018-19	Telangana ^{2(c)}	0.00	0.00	0.00	0.00	-	0.00
16	1-Apr-21	2021-22	Uttar Pradesh ^{2(b)}	2.00	0.86	0.08	2.94	-	2.94
17	1-Apr-21	2021-22	Uttarakhand ^{3&2(a)}	2.75	0.00	0.15	2.90	-	2.90
18	1-Jun-21	2021-22	Himachal Pradesh ^{2(a)}	3.70	0.11	0.38	4.19	3.20	0.99
19	8-Jul-19	2020-21	Kerala ^{2(a)}	2.30	0.09	0.24	2.63	-	2.63
20	1-May-21	2021-22	Manipur ^{2(b)}	4.55	0.60	0.51	5.66	-	5.66
21	1-Jun-21	2021-22	Punjab ^{2(c)}	5.66	0.00	0.00	5.66	5.66	0.00
22	11-Aug-17	2017-18	Tamil Nadu ^{2(c)}	3.22	0.00	0.00	3.22	3.22	0.00
23	1-Sep-20	2020-21	Tripura ^{3&2(c)}	4.55	0.55		5.10		5.10
24	1-Apr-19	2019-20	West Bengal ^{2(a)}	4.54	0.18	0.00	4.72	-	4.72
25	1-Jun-18	2018-19	Arunachal Pradesh ^{3&2(b)}	3.10	0.00	0.00	3.10	-	3.10
26	1-Apr-21	2021-22	Goa ^{3&2(b)}	1.50	0.22	0.18	1.90	-	1.90
27	1-Oct-16	2016-17	J&K and Ladakh ^{3&2(b)}	0.66	0.18	0.15	0.99	-	0.99

- There is no Agricultural category in Sikkim and Lakshadweep

Representative Tariffs

(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Agriculture (7.5KW 15% LF, 817 Units per month)						
			State	Energy Charge	Fixed Charge	Electric al Duty	Total	Govt Subsidy	Effective Rate
28	1-Apr-21	2021-22	Mizoram ^{3&2(b)}	3.65	0.46	0.00	4.11	-	4.11
29	1-Apr-20	2020-21	Nagaland ^{3&2(b)}	3.10	0.00	0.00	3.10	-	3.10
30	1-Apr-21	2021-22	Puducherry ^{3&2(a)}	0.00	0.13	0.00	0.14	-	0.14
31	1-Apr-21	2021-22	Sikkim	-	-	-	-	-	-
32	1-Jun-21	2021-22	Andaman & Nicobar ^{3&2(b)}	1.60	0.46	0.00	2.06	-	2.06
33	1-Apr-21	2021-22	Chandigarh ^{2(a)}	2.60	0.00	0.00	2.60	-	2.60
34	1-Apr-21	2021-22	Dadra & Nagar Haveli ^{3&2(a)}	0.75	0.00	0.00	0.75	-	0.75
35	1-Apr-21	2021-22	Daman & Diu ^{3&2(a)}	0.75	0.00	0.00	0.75	-	0.75
36	1-Apr-21	2021-22	Lakshadweep	-	-	-	-	-	-

Notes:

- The final tariff rates have been calculated based on energy charges, fixed charges, tariff subsidy (if any) and electricity duty.
- All the states above have been categorized into one of the three categories
 - Those for which the commission has approved tariff schedule without considering subsidy
 - Those for which the commission has approved tariff schedule with subsidy, no separate subsidy rates were provided
 - Those for which the commission has approved tariff schedule both, with and without subsidies (category wise)

Remarks:

- Electricity duty have been considered from CEA report “Tariff and Duty of Electricity Supply in India” released on March 2014
- The values are as per MYT tariff order for the control period FY 2020 to FY 2025. Tariff schedule for FY2022 has been considered (Maharashtra)

Representative Tariffs

(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Small Industrial (10KW, 20% LF, 1460 Units per month)				
			State	Energy Charges	Fixed Charges	Electrical Duty	Total
1	1-Apr-21	2021-22	Andhra Pradesh	6.70	0.51	0.06	7.27
2	1-Apr-21	2021-22	Assam	5.00	0.41	0.20	5.61
3	1-Apr-21	2021-22	Bihar	6.40	0.99	0.44	7.83
4	1-Aug-21	2021-22	Chhattisgarh	5.00	0.82	0.15	5.97
5	1-Sep-20	2020-21	Delhi	7.75	1.71	0.47	9.94
6	1-Apr-21	2021-22	Gujarat	4.35	0.34	0.47	5.16
7	1-Jun-20	2021-22	Haryana	7.05	0.00	0.10	7.15
8	1-Oct-20	2020-21	Jharkhand	5.75	0.68	0.15	6.58
9	1-Apr-21	2021-22	Karnataka	6.85	0.78	0.69	8.32
10	8-July-21	2021-22	Madhya Pradesh	6.60	2.19	0.79	9.58
11	1-Apr-21	2021-22	Maharashtra ²	6.39	0.32	0.59	7.30
12	1-Apr-21	2021-22	Meghalaya	6.20	0.82	0.07	7.09
13	4-Apr-21	2021-22	Odisha	6.20	0.27	0.31	6.78
14	1-Feb-20	2019-20	Rajasthan	6.30	1.00	0.40	7.70
15	1-Apr-18	2018-19	Telangana	6.70	0.41	0.06	7.17
16	1-Apr-21	2021-22	Uttar Pradesh	7.40	1.99	0.08	9.47
17	1-Apr-21	2021-22	Uttarakhand ¹	4.60	1.06	0.20	5.86
18	1-Jun-21	2021-22	Himachal Pradesh	4.75	0.10	0.44	5.28
19	8-Jul-19	2020-21	Kerala	5.65	0.82	0.65	7.12
20	1-May-21	2021-22	Manipur	4.85	0.48	0.53	5.86
21	1-Jun-21	2021-22	Punjab	5.37	0.55	0.89	6.81
22	11-Aug-17	2017-18	Tamil Nadu	4.60	0.14	0.24	4.97
23	1-Sep-20	2020-21	Tripura ¹	7.10	0.31	0.00	7.41
24	1-Apr-19	2019-20	West Bengal	7.15	0.34	0.19	7.68

Representative Tariffs

(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Small Industrial (10KW, 20% LF, 1460 Units per month)				
			State	Energy Charges	Fixed Charges	Electrical Duty	Total
25	1-Jun-18	2018-19	Arunachal Pradesh ¹	3.85	0.00	0.00	3.85
26	1-Apr-21	2021-22	Goa	3.76	0.37	0.70	4.83
27	1-Oct-16	2016-17	J&K and Ladakh ¹	3.30	0.34	0.73	4.37
28	1-Apr-21	2021-22	Mizoram ¹	6.20	0.55	0.00	6.75
29	1-Apr-20	2020-21	Nagaland ¹	6.33	0.01	0.00	6.34
30	1-Apr-21	2021-22	Puducherry ¹	6.05	0.34	0.00	6.71
31	1-Apr-21	2021-22	Sikkim ¹	6.19	0.68	0.00	6.59
32	1-Jun-21	2021-22	Andaman & Nicobar ¹	7.97	0.34	0.00	8.32
33	1-Apr-21	2021-22	Chandigarh	4.30	0.21	0.11	4.62
34	1-Apr-21	2021-22	Dadra & Nagar Haveli ¹	3.50	0.18	0.00	3.68
35	1-Apr-21	2021-22	Daman & Diu ¹	3.60	0.37	0.00	3.97
36	1-Apr-21	2021-22	Lakshadweep ¹	6.50	0.34	0.00	6.84

Notes:

- A. The final tariff rates have been calculated based on energy charges, fixed charges, tariff subsidy (if any) and electricity duty.

Remarks:

- Electricity duty have been considered from CEA report "Tariff and Duty of Electricity Supply in India" released on March 2014
- The values are as per MYT tariff order for the control period FY2020 to FY2025. Tariff schedule for FY2022 has been considered (Maharashtra).

Representative Tariffs

(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Medium Industrial (50KW, 30% LF, 10950 Units per month)				
			State	Energy Charges	Fixed Charges	Electrical Duty	Total
1	1-Apr-21	2021-22	Andhra Pradesh	6.70	0.34	0.06	7.10
2	1-Apr-21	2021-22	Assam	5.45	0.32	0.20	5.97
3	1-Apr-21	2021-22	Bihar	6.40	0.82	0.43	7.66
4	1-Aug-21	2021-22	Chhattisgarh	5.75	0.68	0.23	6.66
5	1-Sep-20	2020-21	Delhi	7.75	1.14	0.44	9.34
6	1-Apr-21	2021-22	Gujarat	4.60	0.45	0.50	5.55
7	1-Jun-20	2021-22	Haryana	6.40	0.73	0.10	7.23
8	1-Oct-20	2020-21	Jharkhand	5.75	0.46	0.15	6.36
9	1-Apr-21	2021-22	Karnataka	7.24	0.64	0.71	8.59
10	8-July-21	2021-22	Madhya Pradesh	6.60	1.46	0.73	8.79
11	1-Apr-21	2021-22	Maharashtra ²	7.31	1.42	0.68	9.41
12	1-Apr-21	2021-22	Meghalaya	6.20	0.55	0.07	6.82
13	4-Apr-21	2021-22	Odisha	6.20	0.37	0.50	7.06
14	1-Feb-20	2019-20	Rajasthan	7.00	1.05	0.40	8.45
15	1-Apr-18	2018-19	Telangana	6.70	0.27	0.06	7.03
16	1-Apr-21	2021-22	Uttar Pradesh	7.90	1.32	0.08	9.30
17	1-Apr-21	2021-22	Uttarakhand ¹	4.30	0.73	0.20	5.23
18	1-Jun-21	2021-22	Himachal Pradesh	4.60	0.55	0.77	5.92
19	8-Jul-19	2020-21	Kerala	5.75	0.78	0.65	7.18
20	1-May-21	2021-22	Manipur	7.20	0.48	0.77	8.45
21	1-Jun-21	2021-22	Punjab	5.80	0.55	0.95	7.30
22	11-Aug-17	2017-18	Tamil Nadu	6.35	0.16	0.33	6.84
23	1-Sep-20	2020-21	Tripura ¹	7.24	0.27	0.00	7.51
24	1-Apr-19	2019-20	West Bengal	7.16	1.16	1.04	9.36

Representative Tariffs

(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Medium Industrial (50KW, 30% LF, 10950 Units per month)				
			State	Energy Charges	Fixed Charges	Electrical Duty	Total
25	1-Jun-18	2018-19	Arunachal Pradesh ¹	3.50	0.00	0.00	3.50
26	1-Apr-21	2021-22	Goa	3.92	0.24	0.70	4.87
27	1-Oct-16	2016-17	J&K and Ladakh ¹	3.09	0.21	0.73	4.03
28	1-Apr-21	2021-22	Mizoram ¹	6.33	0.37	0.00	6.70
29	1-Apr-20	2020-21	Nagaland ¹	6.91	0.00	0.00	6.91
30	1-Apr-21	2021-22	Puducherry ¹	5.30	1.92	0.00	7.58
31	1-Apr-21	2021-22	Sikkim ¹	5.20	0.91	0.00	6.04
32	1-Jun-21	2021-22	Andaman & Nicobar ¹	8.86	0.23	0.00	9.09
33	1-Apr-21	2021-22	Chandigarh ¹	4.20	0.91	0.11	5.22
34	1-Apr-21	2021-22	Dadra & Nagar Haveli ¹	3.70	0.49	0.00	4.19
35	1-Apr-21	2021-22	Daman & Diu ¹	3.60	0.24	0.00	3.84
36	1-Apr-21	2021-22	Lakshadweep ¹	6.50	0.23	0.00	6.73

Notes:

- A. The final tariff rates have been calculated based on energy charges, fixed charges, tariff subsidy (if any) and electricity duty.

Remarks:

- Electricity duty have been considered from CEA report "Tariff and Duty of Electricity Supply in India" released on March 2014
- The values are as per MYT tariff order for the control period FY2020 to FY2025. Tariff schedule for FY2022 has been considered (Maharashtra).

Representative Tariffs

(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Large Industrial (1000KW, 40% LF, 365000 Units per month)				
			State	Energy Charges	Fixed Charges	Electrical Duty	Total
1	1-Apr-21	2021-22	Andhra Pradesh	6.30	1.31	0.06	7.67
2	1-Apr-21	2021-22	Assam	6.35	0.60	0.20	7.15
3	1-Apr-21	2021-22	Bihar	6.55	0.82	0.44	7.81
4	1-Aug-21	2021-22	Chhattisgarh	7.10	1.03	0.43	8.55
5	1-Sep-20	2020-21	Delhi	7.75	0.68	0.42	8.86
6	1-Apr-21	2021-22	Gujarat	4.20	0.56	0.71	5.48
7	1-Jun-20	2021-22	Haryana	6.65	0.45	0.10	7.20
8	1-Oct-20	2020-21	Jharkhand	5.50	0.96	0.05	6.51
9	1-Apr-21	2021-22	Karnataka	7.67	0.68	0.75	9.10
10	8-July-21	2021-22	Madhya Pradesh	7.10	0.95	1.21	9.26
11	1-Apr-21	2021-22	Maharashtra ²	7.52	1.18	0.70	9.40
12	1-Apr-21	2021-22	Meghalaya	6.80	0.63	0.11	7.54
13	4-Apr-21	2021-22	Odisha	5.85	0.69	0.47	7.00
14	1-Feb-20	2019-20	Rajasthan	7.30	0.74	0.40	8.44
15	1-Apr-18	2018-19	Telangana	6.65	1.07	0.06	7.78
16	1-Apr-21	2021-22	Uttar Pradesh	7.10	0.82	0.08	8.00
17	1-Apr-21	2021-22	Uttarakhand ¹	4.85	0.93	0.25	6.03
18	1-Jun-21	2021-22	Himachal Pradesh	4.60	0.68	1.06	6.34
19	8-Jul-19	2020-21	Kerala	5.75	0.93	0.67	7.35
20	1-May-21	2021-22	Manipur	8.80	0.29	0.91	10.00
21	1-Jun-21	2021-22	Punjab	6.05	0.51	0.98	7.54
22	11-Aug-17	2017-18	Tamil Nadu	6.35	0.96	0.37	7.67
23	1-Sep-20	2020-21	Tripura ¹	7.25	0.21	0.00	7.46
24	1-Apr-19	2019-20	West Bengal	7.43	1.05	1.27	9.75

Representative Tariffs

(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Large Industrial (1000KW, 40% LF, 365000 Units per month)				
			State	Energy Charges	Fixed Charges	Electrical Duty	Total
25	1-Jun-18	2018-19	Arunachal Pradesh ¹	3.35	-	0.00	3.35
26	1-Apr-21	2021-22	Goa	4.80	0.68	0.70	6.18
27	1-Oct-16	2016-17	J&K and Ladakh ¹	2.95	0.37	0.80	4.13
28	1-Apr-21	2021-22	Mizoram ¹	7.05	0.22	0.00	7.27
29	1-Apr-20	2020-21	Nagaland ¹	7.29	0.00	0.00	7.29
30	1-Apr-21	2021-22	Puducherry ¹	5.30	1.15	0.00	6.77
31	1-Apr-21	2021-22	Sikkim ¹	6.70	1.53	0.00	8.14
32	1-Jun-21	2021-22	Andaman & Nicobar ¹	9.00	0.14	0.00	9.13
33	1-Apr-21	2021-22	Chandigarh	4.50	0.55	0.11	5.16
34	1-Apr-21	2021-22	Dadra & Nagar Haveli ¹	4.10	1.10	0.00	5.20
35	1-Apr-21	2021-22	Daman & Diu ¹	4.15	1.38	0.00	5.53
36	1-Apr-21	2021-22	Lakshadweep ¹	9.20	0.41	0.00	9.61

Notes:

- A. The final tariff rates have been calculated based on energy charges, fixed charges, tariff subsidy (if any) and electricity duty.

Remarks:

- Electricity duty have been considered from CEA report "Tariff and Duty of Electricity Supply in India" released on March 2014
- The values are as per MYT tariff order for the control period FY2020 to FY2025. Tariff schedule for FY2022 has been considered (Maharashtra).

Assumptions

1 kVA = 1 kW (unity power factor)

LF = 100%

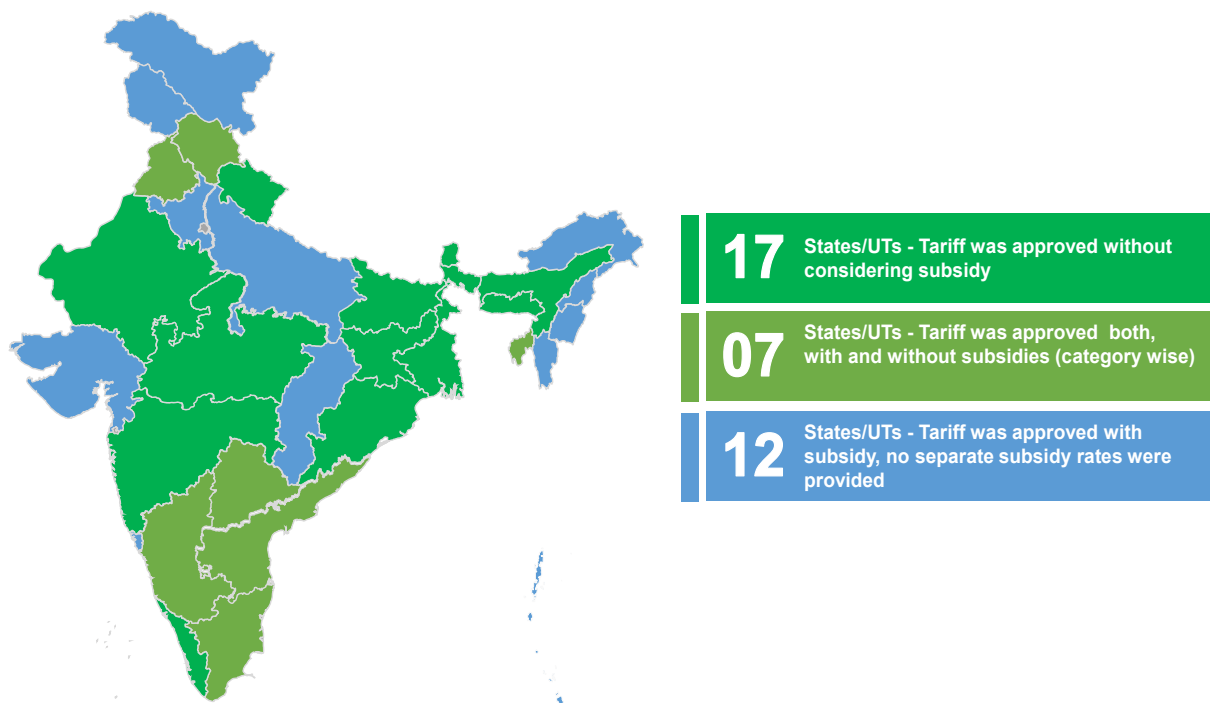
1 HP = .75 kW

For domestic consumer category, tariff for urban consumers have been considered

Representative Tariffs

(Figures in Rs/kWh)

Summary of findings:



- a) In 17 States/UTs namely Assam, Bihar, Delhi, Jharkhand, Madhya Pradesh, Maharashtra, Meghalaya, Odisha, Rajasthan, Uttarakhand, Kerala, West Bengal, Sikkim and UTs of Puducherry, Chandigarh, D&NH, Daman & Diu, the respective Commissions have approved tariff schedule without considering subsidy provided by the State government.
- b) In 7 States/UTs namely Andhra Pradesh, Karnataka, Telangana, Himachal Pradesh, Punjab, Tamil Nadu, Tripura the respective Commissions have approved tariff schedule both; with and without tariff subsidies (category wise).
- c) In 12 States/UTs namely Chhattisgarh, Gujarat, Haryana, Uttar Pradesh, Manipur, Arunachal Pradesh, Goa, Mizoram, Nagaland, UT of J&K and Ladakh, A&N Islands, Lakshadweep, the respective Commissions have approved tariff schedule with subsidy and have provided no separate rates for tariff subsidy.



SECTION 6

CROSS SUBSIDY DETAILS



Cross Subsidy and Consumption Trend for LT Industrial Consumers

States/UT	Cross-Subsidy (%)			Energy Consumption (in MUs)		
	2019-20	2020-21	2021-22	2019-20	2020-21	2021-22
Andhra Pradesh	128%	118%	132%	1,513	1,473	1,543
Assam	96%	89%	83%	103	133	132
Bihar	135%	145%	139%	1,599	617	859
Chhattisgarh	106%	111%	140%	539	548	565
Delhi ¹	NA	NA	--	NA	NA	--
Gujarat ¹	NA	NA	NA	NA	NA	NA
Haryana	111%	102%	112%	2,125	1,492	2,134
Jharkhand	N/A	124%	--	230	249	--
Karnataka	122%	122%	128%	2,100	1,804	2,020
Madhya Pradesh	133%	145%	139%	1,451	1,289	1,456
Maharashtra	116%	111%	110%	7,232	7,515	7,879
Meghalaya	--	N/A	140%	--	5	6
Odisha ²	NA	NA	NA	NA	NA	NA
Rajasthan	103%	--	--	820	--	--
Telangana	--	--	--	--	--	--
Uttar Pradesh	127%	128%	148%	3,807	3,071	3,425
Uttarakhand	109%	109%	109%	315	317	320
Himachal Pradesh	112%	118%	163%	202	124	90
Kerala	115%	--	--	1,135	--	--
Manipur	43%	54%	47%	20	21	19
Punjab	112%	104%	113%	2,844	844	1,052
Tamil Nadu	--	--	--	--	--	--
Tripura	NA	NA	--	NA	NA	--
West Bengal	--	--	--	--	--	--
Arunachal Pradesh	--	--	--	--	--	--
Goa	78%	81%	84%	107	110	85
J&K and Ladakh	--	--	--	--	--	--
Mizoram	109%	86%	99%	2	4	3
Nagaland	NA	NA	--	NA	NA	--
Puducherry	103%	102%	108%	148	130	124
Sikkim	100%	108%	76%	6	5	2
Andaman & Nicobar	NA	NA	NA	NA	NA	NA

Cross Subsidy and Consumption Trend for LT Industrial Consumers

States/UT	Cross-Subsidy (%)			Energy Consumption (in MUs)		
Chandigarh	113%	101%	94%	148	33	18
Dadra & Nagar Haveli	87%	102%	81%	224	240	283
Daman & Diu	70%	90%	91%	220	205	221
Lakshadweep	NA ¹	51%	66%	NA ¹	0.35	0.24

Notes:

- A. State level aggregation is based on average of DISCOM level values weighted against corresponding energy sales.
- B. In absence of categorization, large and medium Industries have been assumed under HT Industries whereas the small industries have been assumed under LT Industries wherever applicable

Remarks:

1. In absence of voltage wise categorization, industrial category has been assumed as HT Industries
2. For the state of Odisha, consumer category wise values are not provided

Consumption and Cross Subsidy Trend for HT Industrial Consumers

DISCOMS	Cross-Subsidy (in %)			Energy Consumption (in MUs)		
	2019-20	2020-21	2021-22	2019-20	2020-21	2021-22
Andhra Pradesh	115%	107%	118%	15,384	14,967	14,546
Assam	128%	118%	105%	888	1,145	1,021
Bihar	127%	115%	112%	2,856	2,865	2,950
Chhattisgarh	125%	115%	122%	8,142	7,290	7,173
Delhi	131%	133%	--	3,597	2,842	--
Gujarat	115%	131%	119%	33,639	36,390	35,838
Haryana	110%	101%	112%	12,261	8,301	11,881
Jharkhand	N/A	109%	--	2708	2,481	--
Karnataka	123%	123%	122%	8,396	7,293	7,763
Madhya Pradesh	115%	114%	112%	9,734	7,156	10,851
Maharashtra	120%	113%	115%	29,208	34,157	35,519
Meghalaya	--	N/A	145%	--	139	197
Odisha ²	NA	NA	NA	NA	NA	NA
Rajasthan	111%	--	--	16,095	--	--
Telangana	--	--	--	--	--	--
Uttar Pradesh	101%	115%	127%	13,127	10,855	12,353
Uttarakhand	110%	109%	108%	6,446	6,633	6,884
Himachal Pradesh	103%	109%	107%	5,016	4,701	5,400
Kerala	103%	--	--	3,530	--	--
Manipur	78%	98%	98%	10	12	12
Punjab	111%	109%	111%	14,573	15,095	17,943
Tamil Nadu	--	--	--	--	--	--
Tripura	--	178%	--	--	37	--
West Bengal	--	--	--	--	--	--
Arunachal Pradesh	--	--	--	--	--	--
Goa	95%	103%	102%	1,970	2,063	2,001
J&K and Ladakh	--	--	--	--	--	--
Mizoram	105%	76%	103%	12	12	9
Nagaland	71%	60%	--	75	63	--
Puducherry	122%	119%	123%	832	942	920
Sikkim	167%	199%	160%	215	218	202
Andaman & Nicobar	29%	28%	28%	24	19	10
Chandigarh	121%	114%	110%	120	330	233

Consumption and Cross Subsidy Trend for HT Industrial Consumers

DISCOMS	Cross-Subsidy (in %)			Energy Consumption (in MUs)		
Dadra & Nagar Haveli	97%	105%	100%	5,884	6,242	6,092
Daman & Diu	95%	103%	103%	2,179	2,237	2,158
Lakshadweep	48%	38%	16%	0.45	1	1

Notes:

- A. State level aggregation is based on average of DISCOM level values weighted against corresponding energy sales.
- B. In absence of categorization, large and medium Industries have been assumed under HT Industries whereas the small industries have been assumed under LT Industries wherever applicable

Remarks:

1. In absence of voltage wise categorization, industrial category has been assumed as HT Industries
2. For the state of Odisha, consumer category wise values are not provided

Latest Cross Subsidy Details for Commercial and Industrial Consumers

Andhra Pradesh

		2021-22			
Category	Sub-category	APSPDCL	APEPDCL	APCPDCL ^A	Andhra Pradesh
LT Commercial	Non-Domestic & Others-LT	180%	164%	158%	168%
LT Industrial	Industry-LT	139%	128%	124%	131%
HT Commercial	Non-Domestic & Others-HT	194%	169%	171%	177%
HT Industrial	Industry-HT	132%	107%	116%	117%

Assam¹

		2021-22
Category	Sub-category	Assam (APDCL)
LT Commercial	Commercial Load above 0.5 kW to 25 kW	122%
LT Industrial	Small Industries Rural up-to 25 kW	82%
	Small Industries Urban	87%
HT Commercial	HT commercial 25 kW & above	119%
HT Industrial	HT Small Industries up-to 50 kVA	85%
	HT Industries-1 50 kVA to 150 kVA	97%
	HT Industries-II above 150 kVA	106%
	Tea, Coffee & Rubber	106%
	Oil & Coal	120%

Bihar²

		2021-22
Category	Sub-category	Bihar (NBPDC and SBPDCL)
LT Commercial	NDS I - Metered Now Demand Based	97%
	NDS II - Demand Based	125%
	LT Commercial aggregate	111%

Latest Cross Subsidy Details for Commercial and Industrial Consumers

	2021-22	
Category	Sub-category	Bihar (NBPDC and SBPDCL)
LT Industrial	LTIS I (0-19 KW)	134%
	LTIS II (19-74 KW)	144%
	LT Industrial aggregate	139%

Chhattisgarh

	2021-22	
Category	Sub-category	Chhattisgarh (CSPDCL)
LT Commercial	Non-Domestic (Normal Tariff & Demand Based Tariff)	158%
LT Industrial	LT Industry	140%
HT Industrial	Steel Industries	122%

Delhi³

		2020-21			
Category	Sub-category	BRPL	BYPL	TPDDL	Delhi
LT Commercial	Non-Domestic & Others-LT	189%	191%	187%	189%
HT Industrial	Industrial	164%	163%	163%	163%

Gujarat⁴

		2021-22				
Category	Sub-category	DGVCL	MGVCL	PGVCL	UGVCL	Gujarat
LT Commercial	Non-RGP & LTMD	105%	115%	122%	137%	119%
HT Industrial	Industry-HT	110%	120%	123%	136%	122%

Haryana⁵

	2021-22	
Category	Haryana (UHBVNL & DHBVNL)	
HT industry	116%	

Latest Cross Subsidy Details for Commercial and Industrial Consumers

Category	2021-22
	Haryana (UHBVNL & DHBVNL)
NDS (HT)	117%
LT Industry	111%

Jharkhand

2020-21		
Category	Sub-category	Jharkhand (JBVNL)
LT Commercial	Non-Domestic/Commercial	104%
LT Industrial	Industrial LT / LTIS	124%
HT Industrial	Industrial HT / HTS / S/ EHT	109%

Karnataka

2021-22							
Category	Sub-category	BESCOM	CESC	GESCOM	HESCOM	MESCOM	Karnataka
LT Commercial	Pvt. Educational Institutions Bruhat Bangalore Mahanagara Palike (BBMP), Municipal Corporations & all areas under Urban Local Bodies.	114%	--	--	--	--	118%
	Pvt. Educational Institutions Applicable to areas coming under Village Panchayats	96%	108%	115%	125%	110%	107%
	Commercial - Application to Bruhat Bangalore Mahanagara Palike (BBMP), Municipal Corporations & all areas under Urban Local Bodies.	132%	--	--	--	--	137%
	Commercial - Applicable to areas coming under Village Panchayats	115%	132%	125%	128%	130%	123%
	Pvt. Educational Institutions Applicable to all areas of Local Bodies including City	--	123%	114%	123%	124%	117%

Latest Cross Subsidy Details for Commercial and Industrial Consumers

		2021-22					
Category	Sub-category	BESCOM	CESC	GESCOM	HESCOM	MESCOM	Karnataka
	Corporations						
	Commercial - Applicable in areas under all ULBs including City Corporations.		141%	140%	158%	140%	141%
	LT Commercial aggregate	130%	138%	135%	148%	136%	135%
LT Industrial	Pvt Nurseries, Coffee & Tea Plantations of sanctioned load of 10 HP& below	77%	118%	135%	104%	130%	106%
	Pvt Nurseries, Coffee & Tea Plantations of sanctioned load above 10 HP.	--	153%	71%	105%	169%	145%
	Industrial - Applicable to all areas other than those covered under LT5(a)	125%	--	--	--	--	131%
	LT Industrial LT-5(a)	120%	123%	130%	138%	124%	125%
	LT Industrial LT-5(b)	134%	126%	146%	130%	134%	133%
	LT Industrial aggregate	124%	126%	135%	133%	132%	128%
HT Commercial	Commercial - Applicable to areas under Bangalore Mahanagara Palike Municipal Corporation. (HT- (2b) (i))	156%	--	--	--	--	161%
	Commercial - Applicable to areas other than those covered under HT2(b) (i)	133%	--	--	--	--	138%
	Hospitals and Educational Institutions other than covered under HT-2(c) (i)	129%	130%	126%	127%	118%	125%
	Commercial-HT-2(b)	--	153%	147%	170%	135%	144%

Latest Cross Subsidy Details for Commercial and Industrial Consumers

		2021-22					
Category	Sub-category	BESCOM	CESC	GESCOM	HESCOM	MESCOM	Karnataka
	HT Commercial aggregate	152%	150%	145%	162%	129%	153%
HT Industrial	Industrial - Applicable to Bangalore Mahanagara Palike(BBMP) and Municipal Corporation. HT2(a) (i)	133%	--	--	--	--	138%
	Industrial - Applicable to areas other than those under HT2(a) (i)	119%	--	--	--	--	123%
	Industrial-HT-2(a)	--	123%	116%	112%	114%	111%
	HT Industrial aggregate	127%	123%	116%	112%	114%	122%

Madhya Pradesh¹

		2021-22
Category	Sub-category	Madhya Pradesh (MPMaKVCL, MPPaKVCL and MPPoKVCL)
LT Commercial	LV-2 Non-Domestic	141%
LT Industrial	LV-4 Industrial	141%
HT Commercial	HV 3.2 Non-Industrial	136%
	HV 3.3 Shopping Mall	121%
	Commercial HT aggregate	135%
HT Industrial	HV-2 Coal Mines	128%
	HV3.1 Industrial	123%
	HV 3.4 Power Intensive	86%
	HV 4 Seasonal & Non seasonal	125%
	Industrial HT aggregate	114%

Maharashtra

	2021-22
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Latest Cross Subsidy Details for Commercial and Industrial Consumers

Category	Sub-category	Maharashtra (MSEDCL)
LT Commercial	LT II: LT - Non-Residential	154%
LT Industrial	LT V -Industry	109%
HT Commercial	HT II: HT - Commercial	178%
HT Industrial	HT I(A): HT - Industry (General)	114%
	HT I(C): HT - Industry (Seasonal)	138%
	Industrial HT aggregate	114%

Meghalaya

	2021-22	
Category	Sub-category	Meghalaya (MePDCL)
LT Commercial	Commercial	143%
LT Industrial	Industrial	140%
HT Commercial	Commercial	165%
HT Industrial	Industrial HT	157%
	Industrial EHT	114%
	Industrial HT aggregate	145%

Odisha⁶

Level of Voltage	2021-22	
	Odisha (TPWODL, NESCO, TPSODL, TPCODL)	
EHT	114%	
HT	114%	
LT	85%	

Rajasthan⁷

		2019-20
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Latest Cross Subsidy Details for Commercial and Industrial Consumers

Category	Sub-category	JVVNL	AVVNL	JdVVNL	Rajasthan
LT Commercial	Non-Domestic	179%	183%	180%	180%
LT Industrial	Small Industry	137%	138%	142%	139%
HT Industrial	Medium	151%	144%	150%	148%
	Large	145%	148%	159%	148%
	Industry-HT aggregate	146%	147%	157%	148%

Telangana

		2018-19		
Category	Sub-category	TSNPDCL	TSSPDCL	Telangana
LT Commercial	Non-Domestic/Commercial	155%	170%	165%
LT Industrial	Industrial	150%	114%	122%
HT Industrial	Industry Segregated HT 11KV	136%	146%	143%
	Industry Segregated HT 33KV	120%	131%	128%
	Industry Segregated 132 KV	106%	126%	120%
	HT Industrial aggregate	119%	136%	132%

Uttar Pradesh

		2021-22					
Category	Sub-category	DVVNL	MVVNL	PVVNL	PuVVNL	KESCO	Uttar Pradesh
LT Commercial	LMV-2: Non-Domestic	211%	155%	171%	170%	140%	172%
LT Industrial	LMV-6 Small and Medium Power	169%	133%	150%	150%	106%	148%
HT Industrial	HV-2: Large and Heavy Power	136%	129%	125%	124%	99%	127%

Uttarakhand

		2021-22	
Category	Sub-category	Uttarakhand (UPCL)	
LT Commercial	Non-Domestic	115%	

Latest Cross Subsidy Details for Commercial and Industrial Consumers

	2021-22	
Category	Sub-category	Uttarakhand (UPCL)
LT Industrial	LT Industry	108%
HT Industrial	HT Industry	109%
	Mixed Load	102%
	Railway Traction	107%
	Industrial HT aggregate	108%

Himachal Pradesh¹

	2021-22	
Category	Sub-category	Himachal Pradesh (HPSEBL)
LT Commercial	Non-Domestic (Normal Tariff & Demand Based Tariff)	115%
LT Industrial	Small	163%
HT Industrial	Medium	75%
	Large	107%
	Industrial HT aggregate	107%

Kerala

	2019-20	
Category	Sub-category	Kerala (KSEBL)
LT Commercial	LT-VI and VII General and Commercial	145%
LT Industrial	LT Industries	115%
HT Commercial	HT-II General	127%
	HT-IV Commercial	145%
	EHT Non-Industrial/General	123%
	HT Commercial aggregate	135%
HT Industrial	HT-I Industry	108%
	EHT-I 66 kV Industrial	95%

Latest Cross Subsidy Details for Commercial and Industrial Consumers

	2019-20	
Category	Sub-category	Kerala (KSEBL)
	EHT-II 110 kV Industrial	92%
	EHT-III 220 kV Industrial	96%
	HT Industrial aggregate	103%

Manipur

	2021-22	
Category	Sub-category	Manipur (MSPDCL)
LT Commercial	Commercial	77%
LT Industrial	Small Industries	51%
HT Commercial	Commercial	101%
HT Industrial	Medium Industries	85%
	Large Industries	105%
	HT Industrial aggregate	99%

Punjab

	2021-22	
Category	Sub-category	Punjab (PSPCL)
LT Commercial	Non-Residential Supply	124%
LT Industrial	Small Power	113%
HT Industrial	Medium Supply	115%
	Large Supply	110%
	HT Industrial aggregate	111%

Tamil Nadu

	2017-18	
Category	Sub-category	Tamil Nadu (TANGEDCO)
LT Commercial	Private Educational Institutions, Cinema theatre & Studios	143%
LT Industrial	Cottage and Tiny Industries	87%

Latest Cross Subsidy Details for Commercial and Industrial Consumers

	2017-18	
Category	Sub-category	Tamil Nadu (TANGEDCO)
HT Commercial	Private Educational Institutions, Cinema Theatres & Studios	138%
HT Industrial	HT Industries	143%

Tripura⁸

	2020-21	
Category	Sub-category	Tripura (TSECL)
LT Commercial	Commercial	150%
LT Industrial	Industrial	178%

Arunachal Pradesh¹¹

	2018-19	
Category	Sub-category	Arunachal Pradesh (PD, Arunachal Pradesh)
LT Commercial	Commercial/Non Residential	36%
LT Industrial	Industrial	26%

Goa

	2021-22	
Category	Sub-category	Goa (Goa PD)
LT Commercial	Commercial	94%
LT Industrial	LT-I Industrial	83%
	Low Tension Mixed/LT-P (Hotel Industries)	93%
	LT Industrial aggregate	84%
HT Commercial	Commercial	128%
HT Industrial	High Tension/HT-I	105%
	High Tension Ferro/SM/PI/SR	94%
	HT Industrial aggregate	102%

J&K and Ladakh¹¹

Latest Cross Subsidy Details for Commercial and Industrial Consumers

	2020-21	
Category	Sub-category	Jammu and Kashmir (JKPDD)
LT Commercial	Non-Domestic/Commercial	76%
LT Industrial	LT Industrial supply	68%
HT Industrial	HT-Industrial supply	73%
	HT-PIU Industrial supply	85%
	HT Industrial aggregate	74%

Mizoram

	2021-22	
Category	Sub-category	Mizoram PD
LT Commercial	Non-Domestic	93%
	Commercial	104%
	LT-Commercial aggregate	101%
LT Industrial	LT Industries	99%
HT Commercial	Non Domestic	91%
	Commercial	101%
	HT Commercial aggregate	100%
HT Industrial	Industrial	103%

Nagaland¹¹

	2020-21	
Category	Sub-category	DOP, Nagaland
LT Commercial	Category 'D' Commercial	70%
LT Industrial	Category 'B' Industrial	60%

Puducherry

	2021-22	
Category	Sub-category	Puducherry, PD
LT Commercial	Commercial	128%

Latest Cross Subsidy Details for Commercial and Industrial Consumers

	2021-22	
Category	Sub-category	Puducherry, PD
LT Industrial	LT Industrial	108%
HT Commercial	HT 1 (b) For contract demand up to 5000 kVA/Commercial	128%
HT Industrial	HT 1 (a) For contract demand up to 5000 kVA/Industrial	123%
	High tension-II	163%
	High tension-III	118%
	HT Industrial aggregate	124%

Sikkim

	2021-22	
Category	Sub-category	Sikkim, PD/State
LT Commercial	Commercial	85%
LT Industrial	LT Industry (Rural)	75%
	LT Industry (Urban)	119%
	LT Industrial aggregate	76%
HT Industrial	Industrial	160%

Andaman & Nicobar Islands^{10&11}

	2021-22	
Category	Sub-category	ED, Andaman & Nicobar
LT Commercial	Commercial/Non-Residential	31%
LT Industrial	Industrial	28%

Chandigarh⁷

	2021-22	
Category	Sub-category	Chandigarh ED
LT Commercial	Commercial/Non-Residential	119%
LT Industrial	Small Industrial Power Supply	94%

Latest Cross Subsidy Details for Commercial and Industrial Consumers

	2021-22	
Category	Sub-category	Chandigarh ED
HT Commercial	HT Commercial	111%
HT Industrial	Medium Industrial Power Supply	110%
	Large Industrial Power Supply	111%
	HT Industrial aggregate	110%

Dadar & Nagar Haveli

	2021-22	
Category	Sub-category	DNH (DNHPDCL)
LT Commercial	Commercial/Non-Domestic	77%
LT Industrial	LTP Motive Power (For All Units)	98%
	LT Public Water Works (For all units)	105%
	LT Industrial aggregate	98%
HT Industrial	HT/EHT Industrial	100%

Daman & Diu

	2021-22	
Category	Sub-category	Daman & Diu ED
LT Commercial	Commercial/Non-Domestic	80%
LT Industrial	LT Industry	91%
HT Industrial	HT Industry	103%

Lakshadweep¹¹

	2021-22	
Category	Sub-category	Lakshadweep ED
LT Commercial	Commercial	29%
LT Industrial	Industrial	67%
HT Industrial	HT Industrial	38%

Notes:

Latest Cross Subsidy Details for Commercial and Industrial Consumers

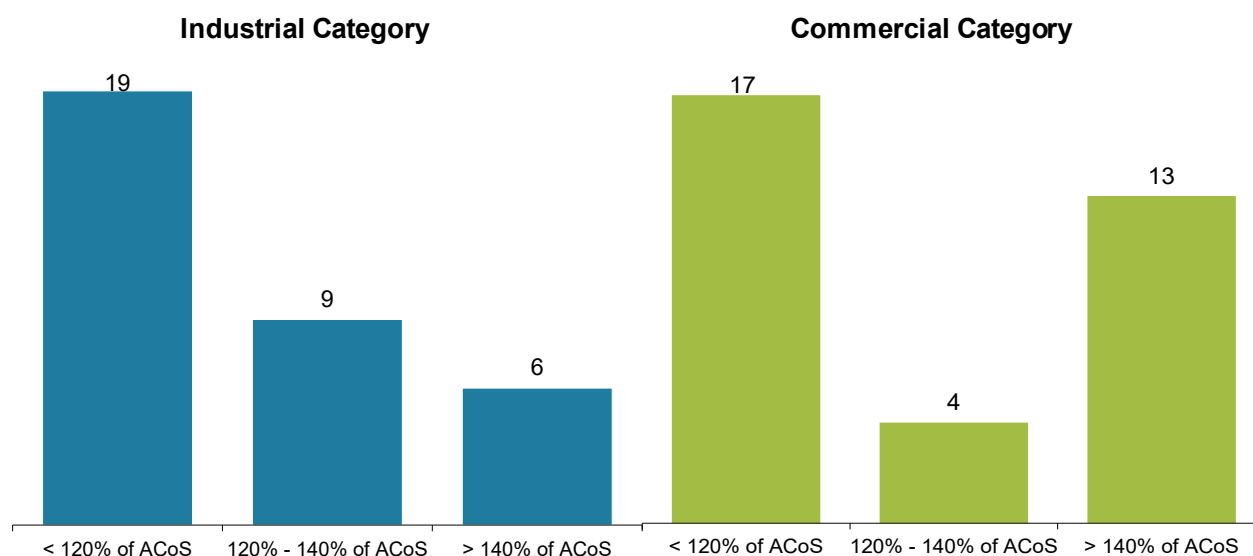
- A. For the state of Andhra Pradesh, regulatory commission has granted license to Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL), to undertake distribution of electricity in Krishna, Guntur and Prakasam districts of Andhra Pradesh state for 25 years with effect from 1st April 2020
- B. State level aggregation is based on average of DISCOM level values weighted against corresponding energy sales.

Remarks:

1. For the state of Assam & Madhya Pradesh Cross subsidy has been calculated based on direct values of ABR given in tariff order.
2. For the state of Bihar, in the absence of category wise sales and revenue data at DISCOM level the cross subsidy has been estimated at state level.
3. For Delhi, in absence of categorization, all Industrial connections have been assumed to be connected at HT.
4. For the state of Gujarat, the revenue also includes revenue from FPPCA charges at a rate of Rs 1.8/kWh.
5. For the state of Haryana, in the absence of category wise revenue data the cross-subsidy values have been taken directly from tariff order
6. For the state of Odisha, broad voltage wise ABR and cross subsidy values have been taken from tariff order.
7. For the state of Rajasthan, Himachal Pradesh, and Chandigarh (UT), In absence of categorization Large and Medium Industries have been assumed to be connected at HT whereas the small industries at LT.
8. For the state of Tripura, in absence of categorization Industrial, commercial & bulk mixed have been assumed to be connected at LT
9. For the state of Nagaland, in absence of categorization Industrial consumers have been assumed to be connected at LT
10. For Andaman & Nicobar Islands, in absence of categorization, Industrial, commercial & bulk supply have been assumed to be connected at LT
11. Being a Power Department, revenue gap is being met through Government budgetary support. Therefore, commercial, and industrial categories do not cross subsidize any other categories.

Latest Cross Subsidy Details for Commercial and Industrial Consumers

Summary of findings:



- a) 15 States/UTs namely Andhra Pradesh, Chhattisgarh, Bihar, Delhi, Jharkhand, Karnataka, Madhya Pradesh, Meghalaya, Telangana, Uttar Pradesh, Himachal Pradesh, Tamil Nadu, Tripura, Sikkim, and UTs of Puducherry have Cross Subsidy outside above 120% of ACoS for Industrial category.
- b) 17 States/UTs namely Andhra Pradesh, Assam, Chhattisgarh, Delhi, Karnataka, Madhya Pradesh, Maharashtra, Meghalaya, Rajasthan, Telangana, Uttar Pradesh, Kerala, Punjab, Tamil Nadu, Tripura and UTs of Goa, Puducherry, have Cross Subsidy outside above 120% of ACoS for Commercial category.



SECTION 7

OPEN ACCESS CHARGES



Cross Subsidy Surcharge

(Figures Rs./kWh)

Andhra Pradesh	2021-22		
Category	APSPDCL	APEPDCL	APCPDCL ^A
HT Category at 11 kV			
III (A) Industry General	1.67	1.71	1.7
III (B) Seasonal Industry	4.92	3.29	2.75
IV (A) Utilities	2.00	1.86	1.95
IV (B) General Purpose	2.29	2.18	2.19
HT II (A): Commercial	2.33	2.19	2.2
HT IV Government LIS	1.43	1.43	1.43
HT VI: Townships & Residential Colonies	1.72	1.50	2.68
HT Category at 33 kV			
III (A) Industry General	1.49	1.50	1.38
III (B) Seasonal Industry	-	2.13	-
IV (A) Utilities	1.74	1.39	-
IV (B) General Purpose	2.21	-	2.39
II (A) Commercial	2.40	1.98	2.22
HT II(F): Startup Power for Captive Generating Plants, Co-generation plants and Renewable Generation Plants	2.45	2.45	2.45
HT VI: Townships & Residential Colonies	1.46	1.46	1.91
II (D) Functions halls & Auditoriums/ Start Up Power	-	-	-
HT Category at 132 kV			
II (A) Commercial	1.82	2.00	-
II (B) Start Up Power	-	2.45	-
III (A&B) Industry General & Seasonal Industry	1.55	-	1.40
II (D) Functions halls & Auditoriums/ Start Up Power	2.45	-	-
HT IV: Private Irrigation and Agriculture	1.43	-	1.43
HT V: Railway Traction	1.69	1.35	1.38
HT I (A): General	-	1.56	-

Assam	2021-22
Category	APDCL

Cross Subsidy Surcharge

(Figures Rs./kWh)

Assam	2021-22
Category	APDCL
HT Commercial	1.28
HT Bulk Supply - Govt. Edu. Institutions	0.00
HT Bulk Supply Others	0.99
HT-II Industry above 150 kVA	0.33
HT Oil & Coal category	1.31

Bihar	2021-22	
Category	NBPDCL	SBPDCL
HT Category		
For 132 kV consumers	1.69	1.69
For 33 kV consumers (other than HTSS)	1.78	1.78
For 11 kV consumers (other than HTSS)	1.8	1.8
For HTSS consumers (33 kV & 11 kV)	0.25	0.25

Chhattisgarh	2021-22
Category	CSPDCL
220 kV/132 kV	0.88
33 kV	0.58

Delhi	2020-21		
Category	BRPL	BYPL	TPDDL
Industrial			
Above 66kV level	1.68	1.80	1.65
At 33/ 66kV level	1.68	1.80	1.65
At 11 kV level	1.66	1.80	1.65
At LT level	1.18	1.80	1.54
Non-Domestic			
Above 66kV level	1.96	2.00	2.06
At 33/ 66kV level	1.96	2.00	2.06

Cross Subsidy Surcharge

(Figures Rs./kWh)

Delhi	2020-21		
Category	BRPL	BYPL	TPDDL
At 11 kV level	1.96	2.00	2.06
At LT level	1.96	2.00	2.06
DMRC			
Above 66kV level	0.39	0.83	1.65
At 33/ 66kV level	-	0.05	1.65
At 11 kV level	-	0.00	1.65
At LT level	-	-	1.54
DJB			
Above 66kV level	1.84	1.88	2.06
At 33/ 66kV level	1.84	1.88	2.06
At 11 kV level	1.84	1.88	2.06
At LT level	1.84	1.88	2.06
DIAL			
Above 66kV level	1.66	1.8	0.49
At 33/ 66kV level	1.65	1.8	0.42
At 11 kV level	1.59	1.8	0.27
At LT level	1.10	1.8	0.09

Gujarat	2021-22					
Category	DGVCL	PGVCL	MGVCL	UGVCL	TPL-DS	TPL-DA
HT Category	1.48	1.48	1.48	1.48	1.32	1.94

Haryana	2021-22	
Category	UHBVNL	DHBVNL
HT – Industry	1.02	1.02
Bulk Supply	0.81	0.81
Railway (Traction)	0.67	0.67
LT industry	0.73	0.73
Non-Domestic Supply (HT)	1.14	1.14

Jharkhand	2021-22
Category	JBVNL

Cross Subsidy Surcharge

(Figures Rs./kWh)

Jharkhand	2021-22
Category	JBVNL
Industrial- HTS 11 kV	1.41

Karnataka	2021-22				
Category	BESCOM	HESCOM	MESCOM	GESCOM	CESC
HT-1 Water Supply	1.28	1.28	1.28	1.28	1.28
HT-2a (i) Industries	2.23	1.86	1.86	1.86	1.86
HT-2a (ii) Industries	1.86	2.32	2.32	2.32	2.32
HT-2b (i) Commercial	2.62	1.81	1.81	1.81	1.81
HT-2b (ii) Commercial	2.32	2.03	2.03	2.03	2.03
HT-2c (i)	1.81	0.62	0.62	0.62	0.62
HT-2c (ii)	2.03	0.89	0.89	0.89	0.89
HT-4 Residential Apartments	1.65	1.65	1.65	1.65	1.65
HT-5 Temporary	3.54	3.54	3.54	3.54	3.54

Madhya Pradesh	2021-22		
Category	MPMaKVCL	MPPaKVCL	MPPoKVCL
HV- 1 : Railway Traction	0.94	0.94	0.94
HV- 2 : Coal Mines	1.66	1.66	1.66
HV- 3.1 : Industrial	1.60	1.60	1.60
HV- 3.2 : Non-Industrial	1.77	1.77	1.77
HV-3.3: Shopping Malls	1.57	1.57	1.57
HV-3.4: Power Intensive Industries	0.64	0.64	0.64
HV-4 : Seasonal	1.63	1.63	1.63
HV- 5.1 : Public Water Works	1.38	1.38	1.38
HV- 6: Bulk Residential Users	1.47	1.47	1.47
HV-7: Synchronization start-up power	2.05	2.05	2.05
HV-8: EV Charging Station	1.31	1.31	1.31

Maharashtra	2021-22
Category	MSEDCL
HT Category - EHV (66 kV and above)	

Cross Subsidy Surcharge

(Figures Rs./kWh)

Maharashtra	2021-22
Category	MSEDCL
HT I(A): HT - Industry (General)	1.67
HT I(B): HT - Industry (Seasonal)	2.23
HT II: HT – Commercial	2.89
HT III: HT - Railways/Metro/Monorail	1.44
HT IV: HT - Public Water Works (PWW)	1.37
HT VI: HT Group Housing Society (Residential)	1.14
HT IX(B): HT - Public Services-Others	1.98
HT Category - 33 kV, 22 kV & 11 kV	
HT I(A): HT - Industry (General)	1.71
HT I(B): HT - Industry (Seasonal)	2.06
HT II: HT – Commercial	2.65
HT III: HT - Railways/Metro/Monorail	1.71
HT IV: HT - Public Water Works (PWW)	1.51
HT V(B): HT Agriculture Others	1.18
HT VI: HT - Group Housing Society (Residential)	1.46
HT VIII(B): HT - Temporary Supply Others (TSO)	2.83
HT IX(A): HT - Public Services-Government	1.87
HT IX(B): HT - Public Services-Others	1.87
HT X: HT - Electric Vehicle Charging Station	1.67

Meghalaya	2021-22
Category	MePDCL
HT Industrial	1.90
EHT Industrial	1.41

Odisha	2021-22			
Category	TPCODL	NESCO	TPSODL	TPWODL

Cross Subsidy Surcharge

(Figures Rs./kWh)

Odisha	2021-22			
Category	TPCODL	NESCO	TPSODL	TPWODL
HT	1.02	0.66	1.41	0.76
EHT	1.64	1.41	2.12	1.30

Rajasthan	2019-20		
Category	AVVNL	JdVVNL	JVVNL
Non- Domestic service			
11KV	2.16	2.16	2.16
33KV	2.10	2.10	2.10
132KV and above	2.08	2.08	2.08
Mixed Load/ Bulk Supply			
11KV	1.87	1.87	1.87
33KV	1.81	1.81	1.81
132KV and above	1.80	1.80	1.80
Large Industrial Service			
11KV	1.78	1.78	1.78
33KV	1.72	1.72	1.72
132KV and above	1.70	1.70	1.70

Telangana	2018-19	
Category	TSNPDCL	TSSPDCL
HT Category 11 kV		
HT-I Industry General	1.66	1.65
HT-II – Others	1.97	2.03
HT - III Airport Bus and Railway Station	1.77	1.80
HT-IV Lift Irrigation & Agriculture & CPWS	0.21	0.36
HT-VI Townships & Residential Colonies	0.90	1.31
HT-Temporary Supply	-	2.76
HT Category 33kV		
HT-I Industry Segregated	1.44	1.46
HT-II – Others	1.78	1.76

Cross Subsidy Surcharge

(Figures Rs./kWh)

Telangana	2018-19	
Category	TSNPDCL	TSSPDCL
HT-IV Lift Irrigation & Agriculture & CPWS	0.86	1.07
HT-VI Townships & Residential Colonies	1.29	1.32
HT Category 132kV		
HT-I Industry Segregated	1.31	1.30
HT-II – Others	3.55	1.69
HT-IV Lift Irrigation & Agriculture & CPWS	1.27	1.24
HT-V Railway Traction & HMR	1.05	1.27
HT-VI Townships & Residential Colonies	1.28	-
HT-III Airports, Bus & Rly Stations	-	1.49

Uttar Pradesh	2021-22				
Category	DVNL	KESCO	PVVNL	PuVVNL	MVVNL
HV-2 (Supply above 11 kV and up to 66 kV)	1.07	1.07	1.07	1.07	1.07
HV-4 (Supply above 11 kV and up to 66 kV)	1.81	1.81	1.81	1.81	1.81

Uttarakhand	2021-22
Category	UPCL
HT I – Industry	0.49
Non-Domestic	0.87

Himachal Pradesh	2021-22
Category	HPSEBL
HT 2 - Consumers	0.44
Bulk Supply Category HT	0.26
Bulk Supply Category EHT	0.46
Large Industrial EHT	0.42
EHT Consumers (Irrigation & Drinking Water)	0.51
HT Consumers (Irrigation & Drinking Water)	0.27

Cross Subsidy Surcharge

(Figures Rs./kWh)

Kerala	2019-20
Category	KSEBL
EHT- I	1.23
EHT- II	1.20
EHT-III	1.25
EHT-G (A)	1.23
EHT-G (B)	1.67
Railways	1.26
KMRL	1.21
HT I(A) – Industry	1.40
HT I(B) – Industry	1.63
HT II – A	1.47
HT II – B	1.71
HT III – A	1.19
HT III – B	0.62
HT IV - Commercial (A)	1.89
HT IV - Commercial (B)	1.95

Punjab	2021-22
Category	PSPCL
Large Supply	0.65
Non-Residential Supply	1.28
Bulk Supply	1.27
Domestic Supply	0

Tamil Nadu	2018-19
Category	TANGEDCO
HT IA: HT-Industry	1.67

Cross Subsidy Surcharge

(Figures Rs./kWh)

Tamil Nadu	2018-19
Category	TANGEDCO
HT IB: Railway Traction	1.54
HT IIA: Govt. educational institute	1.52
HT IIB: Pvt Educational Institute	1.61
HT III - HT commercial	1.98
HT IV- Lift Irrigation societies	1.27
HT V - Temporary Supply	2.26

Tripura	2020-21
Category	TSECL
Industrial	
Up to 5HP	0.62
Up to 5HP (E-U/5)	1.11
5-20 HP	1.73
20-100 HP	1.95
100 HP	1.84
Bulk Supply	1.52
Tea Coffee Rubber	1.54

Goa	2021-22
Category	Electricity Department, Goa (EDG)
HT Level/ Extra High Tension (EHT)	1.94

Puducherry	2021-22
Category	Puducherry Electricity Department (PED)
High Tension (HT) Level	2.47
Extra High Tension (EHT) Level	2.37

Cross Subsidy Surcharge

(Figures Rs./kWh)

Chandigarh	2021-22
Category	Chandigarh Electricity Department (CED)
HT Level/ Extra High Tension (EHT)	1.42

Dadra & Nagar Haveli	2021-22
Category	DNHPDCL
220kV level	0.45
66kV level	0.27
11kV level	0.38

Daman & Diu	2021-22
Category	DDED
HT & EHT Level	0.67

Notes:

- A. For the state of Andhra Pradesh, regulatory commission has granted license to Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL), to undertake distribution of electricity in Krishna, Guntur and Prakasam districts of Andhra Pradesh state for 25 years with effect from 1st April 2020

Remarks:

1. Source: <http://delhisldc.org/resources/OpenAccessOrder.pdf> (Delhi)
2. For the state of Manipur, Mizoram, Sikkim, Nagaland and West Bengal, the commission has not approved cross subsidy surcharge in its latest tariff orders.
3. For the state of Jammu and Kashmir, Arunachal Pradesh and UTs of Andaman and Nicobar Islands and Lakshadweep, details of open access charges are not available in latest tariff order.

Additional Surcharge

(Figures Rs./kWh)

	Applicable Period	Additional Surcharge
DISCOMS		
Andhra Pradesh²	2021-22	N/A
APEPDCL	2021-22	N/A
APSPDCL	2021-22	N/A
APCPDCL [#]	2021-22	N/A
Assam	2021-22	N/A
APDCL	2021-22	N/A
Bihar³	2021-22	N/A
NBPDCL	2021-22	N/A
SBPDCL	2021-22	N/A
Chhattisgarh⁴	2021-22	N/A
CSPDCL	2021-22	N/A
Delhi¹	2020-21	1.29-1.76 (Oct-Apr), 0.64-0.88 (May-Sep)
BRPL	2020-21	1.46 (Oct-Apr), 0.73 (May-Sep)
BYPL	2020-21	1.29 (Oct-Apr), 0.64 (May-Sep)
TPDDL	2020-21	1.76 (Oct-Apr), 0.88 (May-Sep)
Gujarat	2021-22	0.37 (Apr-Sep), 0.60 (Oct-Mar)
DGVCL	2021-22	0.37 (Apr-Sep), 0.60 (Oct-Mar)
MGVCL	2021-22	0.37 (Apr-Sep), 0.60 (Oct-Mar)
PGVCL	2021-22	0.37 (Apr-Sep), 0.60 (Oct-Mar)
UGVCL	2021-22	0.37 (Apr-Sep), 0.60 (Oct-Mar)
Haryana⁵	2021-22	1.15
DHBVNL	2021-22	1.15
UHBVNL	2021-22	1.15
Jharkhand⁶	2020-21	0.00
JBVNL	2020-21	0.00
Karnataka	2021-22	1.06-3.12
BESCOM	2021-22	1.06
CHESCOM	2021-22	2.98
GESCOM	2021-22	2.38
HESCOM	2021-22	2.82
MESCOM	2021-22	3.12
Madhya Pradesh	2021-22	1.11
MPMaKVCL	2021-22	1.11

Additional Surcharge

(Figures in Rs/kWh)

	Applicable Period	Additional Surcharge
MPPaKVVCL	2021-22	1.11
MPPoKVVCL	2021-22	1.11
Maharashtra	2021-22	1.29
MSEDCL	2021-22	1.29
Meghalaya⁷	2021-22	0.44
MePDCL	2021-22	0.44
Odisha⁸	2021-22	0.00
TPCODL	2021-22	0.00
NESCO Utility	2021-22	0.00
TPSODL	2021-22	0.00
TPWODL	2021-22	0.00
Rajasthan	2019-20	0.80
AVVNL	2019-20	0.80
JdVVNL	2019-20	0.80
JVVNL	2019-20	0.80
Telangana	2018-19	0.52
TSNPDCL	2018-19	0.52
TSSPDCL	2018-19	0.52
Uttar Pradesh	2021-22	N/A
DVVNL	2021-22	N/A
KESCO	2021-22	N/A
MVVNL	2021-22	N/A
PaVVNL	2021-22	N/A
PuVVNL	2021-22	N/A
Uttarakhand	2021-22	1.13
UPCL	2021-22	1.13
GEDCO/Integrated Utilities		
Himachal Pradesh	2021-22	0.61
HPSEBL	2021-22	0.61
Kerala⁹	2018-19	0.00
KSEBL	2018-19	0.00
Manipur	2021-22	N/A
MSPDCL	2021-22	N/A
Punjab	2021-22	1.16
PSPCL	2021-22	1.16

Additional Surcharge

(Figures in Rs/kWh)

	Applicable Period	Additional Surcharge
Tamil Nadu	2017-18	0.00
TANGEDCO	2017-18	0.00
Tripura¹⁰	2020-21	N/A
TSECL	2020-21	N/A
West Bengal¹²	2019-20	N/A
WBSEDCL	2019-20	N/A
Power Departments		
Arunachal Pradesh¹³	2018-19	N/A
Arunachal PD	2018-19	N/A
Goa	2021-22	0.89
Goa PD	2021-22	0.89
J&K and Ladakh¹⁴	2016-17	N/A
JKPDD	2016-17	N/A
Mizoram⁸	2021-22	N/A
Mizoram PD	2021-22	N/A
Nagaland¹⁰	2020-21	N/A
Nagaland PD	2020-21	N/A
Puducherry	2021-22	1.05
Puducherry PD	2021-22	1.05
Sikkim⁸	2021-22	N/A
Sikkim PD	2021-22	N/A
Union Territories		
Andaman & Nicobar¹¹	2020-21	N/A
ED Andaman & Nicobar	2020-21	N/A
Chandigarh	2021-22	1.20
Chandigarh ED	2021-22	1.20
Dadra & Nagar Haveli	2021-22	1.43
DNHPDCL	2021-22	1.43
Daman & Diu	2021-22	1.44
Daman & Diu ED	2021-22	1.44
Lakshadweep⁸	2021-22	N/A
Lakshadweep ED	2021-22	N/A

Additional Surcharge

(Figures in Rs/kWh)

Notes:

- A. For the state of Andhra Pradesh, regulatory commission has granted license to Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL), to undertake distribution of electricity in Krishna, Guntur and Prakasam districts of Andhra Pradesh state for 25 years with effect from 1st April 2020
- B. 'N/A' denotes that the value of Additional Surcharge is not available in the latest tariff order

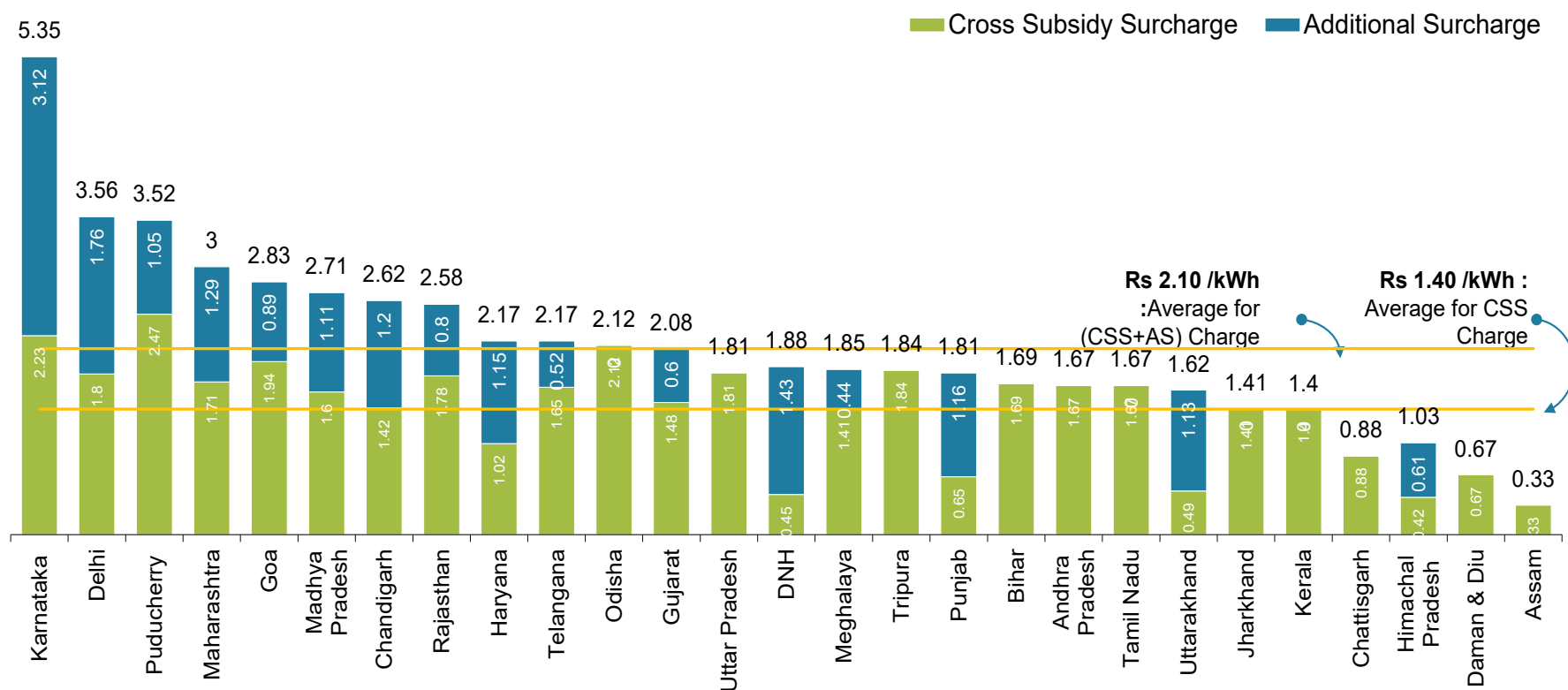
Remarks:

1. Source: Determination of Open access charges and related matters order dated 12.09.2019 (Delhi)
2. For the states of Andhra Pradesh, the commission have allowed for a separate petition to approve Additional Surcharge, the same has not been approved (or filed) yet.
3. For the state of Bihar, the commission has asked the Discoms to file separate petition for approval of additional surcharge by June 2021, in the absence of which no additional surcharge shall be approved for the FY 2022.
4. For the state of Chhattisgarh, the commission has not approved any additional surcharge under wheeling/open access charges for FY 2022.
5. For the state of Haryana, the commission, in its ARR tariff order for FY 2022, has allowed the additional surcharge of Rs 1.15/kWh approved in its MYT TO dated 1/06/2020 to continue, while the Discoms have been asked to file separate petition for approval of addition surcharge.
6. For the state of Jharkhand, the commission has not approved any additional surcharge under open access charges for FY 2022
7. For the state of Meghalaya, additional surcharge applicable for 2019-20 has been allowed to be continued in ARR for 2021-22
8. For the state of Odisha, Mizoram, Sikkim, Lakshadweep the commission in its ARR for FY 2021-22 has approved no additional surcharge
9. For the state of Kerala, the commission has not approved any additional surcharge in MYT Order, and this will be taken into consideration during truing up
10. For the state of Tripura, Nagaland the commission has not approved any additional surcharge under open access charges for FY 2021
11. For the state of Andaman & Nicobar Islands the commission has not approved any additional surcharge under open access charges for FY 2022
12. For the state of West Bengal, the commission has not approved any additional surcharge under open access charges for FY 2020
13. For the state of Arunachal Pradesh, the commission has not approved any additional surcharge under open access charges for FY 2019
14. For the state of J&K and Ladakh, the commission has not approved any additional surcharge under open access charges for FY 2017

Additional Surcharge

(Figures Rs. /kWh)

Summary of findings:



a) Open Access Charges vary significantly across major states

b) Open Access Charges (i.e. Cross Subsidy Charge plus Additional Surcharge) was above the National Average for states namely Odisha, Telangana, Haryana, Rajasthan, Madhya Pradesh, Maharashtra, Delhi, Karnataka and UTs of Chandigarh, Goa and Puducherry.



SECTION 8

CUMULATIVE REVENUE GAP/SURPLUS



Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
Andhra Pradesh	N/A	2018-19	2021-22	<ol style="list-style-type: none"> 1. The Commission in its tariff order for FY 2022 has approved a Revenue gap of Rs 7,433.8 Cr against the ARR of FY 2022, which includes Trued up revenue gaps of 4 years (FY 2015-19), provisional true down for FY 2021. 2. The Commission has allowed the approved Revenue gaps for FY 2022 and FY 2020 to be bridged through tariff subsidy in the absence of which, the Discoms are allowed to charge Full Cost Recovery Tariff Schedule (FCRTS) as approved by the Commission.
Assam	313	2019-20	2021-22	<ol style="list-style-type: none"> 1. The Commission, in its tariff order for FY 2022 has approved a cumulative revenue surplus of 123.65 Cr till FY 2022, which includes the trued up impact of Rs 224.37 Cr till FY 2020 along with its carrying costs and the standalone revenue gap for FY 2022. 2. The commission, in the above tariff order has provisionally approved a Revenue gap of Rs 437.11 Cr for FY 2021, which includes the trued-up Revenue Gap of FY 2019. 3. Total revenue gap is arrived at by adding the revenue gaps/surpluses of (1) and (2) above.
Bihar	(168)	2019-20	2021-22	<ol style="list-style-type: none"> 1. The Commission, in its tariff order for FY 2022 has approved a revenue surplus of Rs 0.69 Cr, which includes the trued-up impact of Rs 470.22 Cr till FY 2020 and standalone Revenue Gap for FY 2022. 2. The Commission, in the above order has provisionally approved a Revenue surplus of Rs 167.22 Cr for FY 2021, which includes the impact of true up till FY 2019. 3. Total revenue gap is arrived at after adding the revenue gaps/surpluses of (1) and (2) above.

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
Chhattisgarh	(302)	2019-20	2021-22	<ol style="list-style-type: none"> 1. The Commission in its ARR tariff order for FY 2022 had approved a cumulative revenue gap of Rs 941.89 Cr which includes the trued-up revenue gap till FY 2020 & standalone revenue gap for FY 2022 2. The Commission, in its ARR tariff order for FY 2021 had approved standalone revenue surplus of Rs 1244 Cr. 3. Total revenue gap is arrived at after adding the revenue gaps/surpluses of (1) and (2) above.
Delhi	7,473	2018-19	2020--21	<ol style="list-style-type: none"> 1. The Commission in its tariff order for FY 2022 has approved a cumulative revenue gap of Rs 7,657 Cr trued up till FY 2019 and a standalone revenue surplus of Rs 54 Cr for FY 2021. 2. The Commission in its ARR tariff order for FY 2020 had approved revenue surplus of 130 Cr for FY 2020, which included impact of true up till FY 2018. 3. Total revenue gap is arrived at after adding the revenue gaps/surpluses of (1) and (2) above.
Gujarat	(4,720)	2019-20	2021-22	<ol style="list-style-type: none"> 1. The Commission in its tariff order for FY 2022 has approved a standalone revenue surplus of Rs 1,718.25 Cr for FY 2022 and a cumulative revenue surplus of Rs 3,641 Cr trued up till FY 2020. 2. The Commission, in its ARR tariff order for FY 2021 had approved revenue gap of Rs 639.43 Cr, which included trued up revenue gap of Rs 640.33 Cr till FY 2019. 3. Total revenue gap is arrived at after adding the revenue gaps/surpluses of (1) and (2) above.
Haryana	(127)	2019-20	2021-22	<ol style="list-style-type: none"> 1. The Commission, in its tariff order for FY 2022 has approved a revenue surplus of Rs 210 Cr trued up till FY 2020 and a standalone revenue gap of Rs 76.01 Cr for FY 2022. 2. The Commission, in its ARR for FY 2021 had approved a revenue gap of Rs 7 Cr. for FY

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
				2021 which included the impact of true up till FY 2019. 3. Total revenue gap is arrived at by adding the revenue gaps/surpluses of (1) and (2) above.
Jharkhand	196	2018-19	2020-21	1. The Commission in its tariff order for FY 2021 has approved a cumulative revenue gap of Rs 196 Cr till FY 2021. This includes a trued-up revenue gap of Rs 1,132 Cr. for FY 2019 and provisional true up revenue surplus of Rs 707 Cr, carry forward interest cost and a standalone revenue surplus of Rs 137 Cr for FY 2021.
Karnataka	-	2018-19	2021-22	1. The Commission in its tariff order for FY 2022 has approved a nil revenue gap for FY 2022 which includes trued up revenue gap/surplus for FY 2020. 2. The Commission, in its tariff order for FY 2021 had approved nil revenue gap for FY 2021 and this includes the impact of trued up revenue gap/surplus for FY 2019. 3. As a practice, revenue gap approved in any year (post tariff subsidy) is bridged through tariff hike.
Madhya Pradesh	2,031	2019-20	2021-22	1. The Commission in its tariff order for FY 2022 has approved a nil revenue gap for FY 2022 which includes trued up revenue gap/surplus for FY 2019. Further, the commission has nil revenue gap in its tariff order for FY 2021. 2. The Commission in its true up order for FY 2020 has approved a Revenue gap of Rs 2,030.9 Cr.
Maharashtra	10,241	2018-19	2021-22	1. The Commission in its MYT tariff order for FY 2021-25 has approved a cumulative Revenue Gap of 10,241 Cr till FY 2022. The approved revenue gap includes: a) Accrued revenue gap of Rs 11,634 Cr till FY 2021 and it is carrying cost of Rs 1,105 Cr b) Revenue surplus of Rs 6,946 Cr for the FY 2022. c) Recovery of 4,448 Cr through tariff hike.

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
Meghalaya	290	2017-18	2021-22	<ol style="list-style-type: none"> 1. The Commission in its MYT order (FY 2022-24) has approved a revenue surplus of Rs 47.39 Cr against the ARR for FY 2022 which includes revised trued-up revenue gap of Rs 135.69 Cr for FY 2018. 2. The Commission, in its tariff order for FY 2021 has approved a revenue gap of Rs 224.73 Cr, against the ARR for FY 2021 which includes trued up revenue gap of Rs 173.44 Cr for FY 2017, standalone revenue gap of Rs 15 Cr for FY 2016 and a standalone revenue surplus of Rs 12.96 Cr for FY 2015. 3. The Commission has approved a standalone revenue gap of Rs 113 Cr for FY 2019. 4. ARR Tariff order for 2020 is not available. 5. Total revenue gap is arrived at by adding the revenue gaps/surpluses of (1), (2) and (3) above.
Odisha	1,317	2013-14	2021-22	<ol style="list-style-type: none"> 1 The Commission in its tariff order for FY 2016 had approved a revenue gap of Rs 1,599.66 Cr (till FY 2014 during the true up process). 2 In its ARR tariff order for subsequent year the commission has approved a standalone revenue surplus of Rs 32.54 Cr., 36.71 Cr., 15.95 Cr. 17.76 Cr., 20 Cr, 4 Cr, 79 Cr and 77 Cr for FY 2015, 16, 17, 18, 19, 20, 21 and 22 respectively. 3 Total revenue gap is arrived at after adding standalone revenue surpluses of FY 2015 till FY 2022 to the trued revenue gap till FY 2014.
Rajasthan	48,912	2018-19	2019-20	<ol style="list-style-type: none"> 1 The Commission in its true up order for FY 2019 has approved an cumulative revenue gap till FY 2019 of Rs 44,023.53 Cr. 2 The Commission in its tariff order for FY 2020 has approved a standalone revenue gap of Rs.5,681 Cr. and excess revenue of Rs 792 Cr. through tariff increase. 3 Total revenue gap is arrived at after adding the revenue gaps/surpluses of (1) and (2) above.

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
Telangana	N/A	206-17 (Provisional)	2018-19	<ol style="list-style-type: none"> The Commission in its ARR tariff order for FY 2019 had approved a standalone revenue gap of Rs 5,940.57 Cr for FY 2019 at reference tariff. Against this revenue gap, tariff subsidy of Rs 4,984.30 Cr was available upfront. GoTS had further assured to consider the left-over gap at appropriate time. Though the Commission had provisionally approved true up for FY 2015 and 2016 in the tariff order for FY 2018, the final true up for 1st, 2nd and 3rd control period has not been approved yet and the DISCOMs have been asked to submit petition.
Uttar Pradesh	(5590)	2019-20	2021-22	<ol style="list-style-type: none"> The Commission in its ARR tariff order for FY 2022 had approved a cumulative revenue surplus of Rs 5589.75 Cr till FY 2022 which includes: <ol style="list-style-type: none"> Standalone trued-up revenue gap of Rs 62.65 Cr for FY 2019. Standalone trued-up revenue surplus of Rs 627.71 Cr for FY 2020 Standalone revenue surplus of Rs 4592.15 Cr for FY 2021 The Commission, in its ARR tariff order for FY 2022 had approved standalone revenue surplus of Rs 387.44 Cr. Total revenue gap is arrived at after adding the revenue gaps/surpluses of (1) and (2) above.
Uttarakhand	(60)	2019-20	2021-22	<ol style="list-style-type: none"> The Commission in its tariff order for FY 2022 has approved a revenue surplus of Rs 59.55 Cr. This has been estimated (by SERC) by subtracting trued up revenue gap of Rs 620.30 Cr till FY 2020 and nil revenue gap for the APR of FY 2021 from ARR of FY 2022.

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
Himachal Pradesh	(3)	2019-20	2021-22	<ol style="list-style-type: none"> The Commission in its tariff order for the FY 2022 has approved a cumulative revenue surplus of Rs 2.74 Cr against the ARR which includes: <ol style="list-style-type: none"> Standalone trued-up revenue surplus of Rs 194.80 Cr for FY 2019. Standalone trued-up revenue surplus of Rs 93.86 Cr for FY 2020 Provisionally trued-up revenue gap of Rs 100 Cr for controllable factors during 3rd MYT Control period (FY 2015-19) The Commission, in its tariff order for FY 2021 has approved nil revenue gap/surplus against the ARR for FY 2021 which includes the trued-up revenue gap till 2018. Total revenue gap is arrived at after adding the revenue gaps/surpluses of (1) and (2) above.
Kerala	5,453	2017-18	2021-22	<ol style="list-style-type: none"> The Commission in its true up order for FY 2017 had approved a cumulative revenue gap of Rs 5,693.25 Cr till FY 2017. Subsequently, the Commission in its MYT Tariff Order for FY 2019-22 has amortized the above revenue gap over the control period leaving a balance Revenue gap of Rs 2,593.25 Cr at the end of FY 2022. The Commission, in its true up tariff order for FY 2018 has approved revenue gap of Rs 84.13 Cr. The Commission in its MYT tariff order (FY 2019-22) has approved standalone revenue gaps of Rs 32.15 Cr, 800.56 Cr, 944.75 Cr and 998.53 Cr for FY 2019, 2020, 2021 and 2022. Total revenue gap is arrived at after adding the revenue gaps/surpluses of (1), (2) and (3) above.
Manipur	N/A	2018-19 (Provisional)	2021-22	<ol style="list-style-type: none"> The Commission in its ARR tariff order for FY 2022 has approved nil revenue gap for FY 2022. The Commission in the above order has not approved any revenue gap/surplus in the provisional true up for FY 2020 in the absence of audited accounts. Also, no revenue gap/surplus is approved for APR of FY 2021 in the absence of committed tariff subsidy

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
				<p>quantum.</p> <p>3. The Commission in its ARR tariff order for FY 2021 has approved nil revenue gap for FY 2021 at revised tariff (including subsidy and receivables). Further the commission has approved no revenue gap/surplus in the provisional true up for FY 2019 and APR of FY 2020.</p> <p>4. Cumulative revenue/gap has not been estimated in absence of a final true up.</p>
Punjab	(225)	2019-20	2021-22	<p>1. The Commission in its tariff order for FY 2021 and 2022 has approved a cumulative revenue surplus of Rs 297.16 Cr till FY 2022. This includes:</p> <p>a) Cumulative Surplus of Rs 1,349.67 Cr till FY 2020.</p> <p>b) Standalone Revenue surplus of Rs 651.02 Cr and Rs 417.76 Cr for FY 2021 and 2022 respectively along with a surplus of Rs 16.27 Cr on account of previous years adjustments.</p>
Tamil Nadu	11,064	2015-16	2017-18	<p>1. The Commission in its MYT tariff order for FY 2017-19 has approved the following:</p> <p>a) Cumulative revenue gap of Rs 30,884.15 Cr at the end of FY 2016 in the final true up of the period FY 2012-16.</p> <p>b) Adjusted the above revenue gap against debt taken over under UDAY and approved a cumulative revenue gap (Regulatory Assets) of Rs 10,432 at the end of FY 2017.</p> <p>c) Revenue gap of Rs 2,864.47 Cr for FY 2017 and Revenue surplus of Rs 2,231.59 Cr. for FY 2018.</p> <p>2. The cumulative revenue gap has been estimated by adding revenue gap/surplus from a), b) and c) above</p>
Tripura	248	2016-17	2020-21	<p>1. The Commission in its MYT tariff order for FY 2017-21 has approved a cumulative revenue gap of Rs 247.55 Cr at the end of FY 2021. This includes:</p> <p>a) Final trued up revenue gap of Rs 183.05 Cr for the period FY 2014-17</p> <p>b) Revenue surplus of Rs 17.7 Cr trued up based on audited accounts for FY 2018 and provisional accounts for FY 2019,</p>

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
				c) Standalone revenue gap of Rs 29.76 Cr and Rs 13.76 Cr against the ARR for FY 2021 and FY 2020 respectively, and d) Total carrying cost of Rs 36.66 Cr.
West Bengal	15,519	2012-13	2019-20	1. The latest approved APR by the commission is for FY 2013-14 which has been adjusted in the ARR of FY 2019 and FY 2020 and the balance recoverable will be adjusted in tariff order of the subsequent years. 2. As per audited accounts of WBSEDCL, the balance Regulatory Assets at the end of FY 2020 was Rs 15,519.14 Cr. The Utility is yet to achieve a regulatory approval to the same
Arunachal Pradesh	N/A	2016-17	2018-19	1. The Commission in its tariff order for FY 2019 has approved a revenue gap of Rs 379 Cr for FY 2019, which does not include revenue gap/surplus from true up of FY 2017. The commission has followed similar practice in the previous ARR's also. 2. The cumulative revenue gap could not be estimated in the absence of a cumulative true up of previous years.
Goa	Nil	2016-17	2021-22	1. The Commission in its ARR tariff order for FY 2022 has approved a true-up revenue gap of Rs 47.54 Cr for FY 2017 and a standalone revenue gap of Rs 378.81 Cr for FY 2022. both of which is to be bridged through government budgetary support. in line with the practice followed in previous years. 2. Goa PD has not submitted true up petition for FY 2018, 2019 and 2020. 3. The cumulative revenue gap is nil as the revenue gap approved in each year by the commission is met through government budgetary support.
Mizoram	(157)	2019-20	2021-22	1. The Commission in its Tariff Order for FY 2022 has approved nil Revenue Gap against the ARR of FY 2022 which includes 1/3rd of revenue surplus (Rs 59.36 Cr) true up till FY 2020. 2. The Commission in the above tariff order has not approved any revenue gap/surplus in the APR for FY 2021 due to absence of subsidy quantum committed by the state

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
				<p>government.</p> <p>3. The Commission in its Tariff Order for FY 2021 has approved nil Revenue Gap against the ARR for FY 2021 which includes 1/3rd of revenue surplus (Rs 19.14 Cr) trued up till FY 2019.</p> <p>4. Total revenue gap is arrived at after adding the revenue gaps/surpluses of (1), (2) and (3) above.</p>
Nagaland		2014-15 (Provisional)	2020-21	<p>1. The Commission in its latest MYT tariff order for FY 2021-25 has approved a standalone revenue gap of Rs 293.91 Cr. for FY 2021. However, the same is to be bridged through state government subsidy.</p> <p>2. Further the Commission has not carried out true up of FY 2019 and only provisional true up of FY 2014 and 2015 (in the tariff order for FY 2018) in the absence of audited accounts.</p>
Puducherry	286	2019-20	2021-22	<p>3. The Commission has approved a cumulative revenue gap of Rs 286.45 Cr till FY 2022. This includes</p> <p>a) Trued up revenue gap of Rs 146.96 Cr at the end of FY 2019.</p> <p>b) Standalone trued revenue gap of Rs 210.86 Cr for FY 2020, Revenue surplus of Rs 81.91 Cr and Rs 39.03 Cr for FY 2021 and FY 2022 respectively, all inclusive of regulatory surcharges.</p> <p>c) Each of above carried forward till FY 2022 against a carrying cost of Rs 49.63 Cr.</p>
Sikkim	427	2019-20 (Provisional)	2021-22	<p>1. The Commission in its MYT tariff order for FY 2022-24 has approved a standalone revenue gap of Rs 104.66 Cr for FY 2022 at revised tariff.</p> <p>2. The Commission in the above tariff order has provisionally approved a revenue gap of Rs 165.23 Cr till FY 2020 in the true up of FY 2020 and a revenue gap of Rs 157.67 Cr in the APR of FY 2021.</p> <p>3. Total revenue gap is arrived at after adding the revenue gaps/surpluses of (1) and (2) above.</p>

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
Andaman and Nicobar Islands	Nil	2016-17	2021-22	<ol style="list-style-type: none"> 1. The Commission in its tariff order for FY 2022 has approved a revenue gap of Rs 549.56 Cr. against the ARR of FY 2022 which includes nil revenue gap from the APR of FY 2021. This gap is to be met through government budgetary support 2. The Commission in its tariff order for FY 2021 had approved a True up revenue gap of Rs 466.68 Cr till FY 2017 and Revenue gap of Rs 574.34 Cr in the ARR of FY 2021; both of which are to be met through government budgetary support. 3. The Commission has not taken up the true up for FY 2018,19 and 20 in absence of audited accounts. 4. The cumulative revenue gap is nil as the revenue gap approved in each year by the Commission is met through government budgetary support.
Chandigarh	(252)	2019-20	2021-22	<ol style="list-style-type: none"> 1. The Commission has approved a cumulative revenue surplus of Rs 251.91 Cr till FY 2022. This includes <ol style="list-style-type: none"> a) Cumulative trued up revenue surplus of Rs 83.87 Cr at the end of FY 2019. b) Standalone trued up revenue surplus of Rs 57.02 Cr for FY 2020 and Revenue surplus of Rs 58.01 Cr and Rs 8.12 Cr for FY 2021 and FY 2022 respectively. c) Each of the above surplus were carried forward till FY 2022 against a carrying cost of (negative) Rs 44.89 Cr.
Dadar and Nagar Haveli	(2.61)	2019-20	2021-22	<ol style="list-style-type: none"> 1. The Commission has approved a cumulative revenue surplus of Rs 2.61 Cr till FY 2022. This includes <ol style="list-style-type: none"> a) Trued up revenue surplus of Rs 100.14 Cr at the end of FY 2019. b) Standalone trued revenue gap of Rs 276.99 Cr for FY 2020 and Revenue surplus of Rs 46.18 Cr and Rs 281.87 Cr for FY 2021 and FY 2022 respectively. c) Each of above carried forward till FY 2022 against a carrying cost of Rs 18.06 Cr. d) Revenue through increase in tariff during FY 2022 for Rs 130.53 Cr
Daman and Diu	23.8	2019-20	2021-22	<ol style="list-style-type: none"> 1. The Commission has approved a cumulative revenue gap of Rs 23.80 Cr till FY 2022.

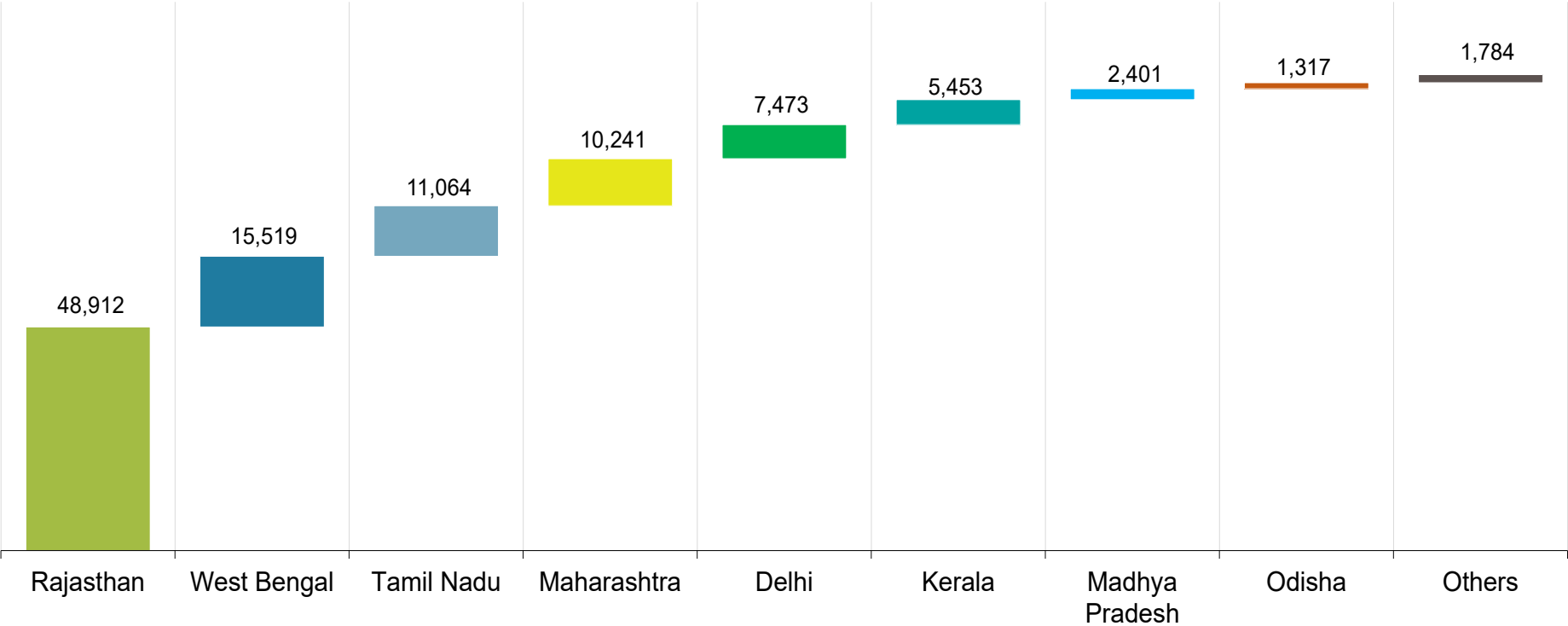
Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
				<p>This includes</p> <ul style="list-style-type: none"> a) Trued up revenue surplus of Rs 144.07 Cr at the end of FY 2019. b) Standalone trued revenue gap of Rs 157.42 Cr for FY 2020 and Revenue surplus of Rs 7.40 Cr and Rs 22.87 Cr for FY 2021 and FY 2022 respectively. c) (c) Each of above carried forward till FY 2022 against a carrying cost of (negative) Rs 5.02 Cr.
Lakshadweep	Nil	2016-17	2021-22	<ul style="list-style-type: none"> 1. The Commission in its ARR tariff order for FY 2021 has trued up revenue gaps of Rs 88.61 Cr and 96.09 Cr for FY 2016 and 2017 respectively. 2. Lakshadweep ED has not submitted true up petition for FY 2018,2019 and 2020 3. The Commission in its respective tariff orders, has approved revenue gaps of Rs 121.47 and Rs 141.19 Cr for FY 2021 and 2022. 4. The cumulative revenue gap is nil as the revenue gap approved in each year including true up is met through a combination of tariff increase and government budgetary support.

Cumulative Revenue Gap/Surplus

Summary of findings:

(Amount in Rs Cr)



- a) Total Approved Revenue Gap among all States/UTs is approximately Rs 1.04 Lakh Crore as per the latest Tariff Orders
- b) 95% of Total Approved Revenue Gap i.e. Rs 98,662 Cr is concentrated in 6 states namely Rajasthan, West Bengal, Tamil Nadu, Maharashtra, Delhi and Kerala.



SECTION 9

APPLICABILITY OF TOD TARIFF >>>>

Applicability of TOD Tariff

State	Year	TOD Applicability	Consumer Category							
			Domestic	LT Commercial	LT Industrial	LT Others	Agriculture	HT Commercial	HT and EHT Industrial	HT and EHT Others
Andhra Pradesh	2021-22	Applicability (Yes/No)	Yes	No	No	No	No	Yes	Yes	No
		Category	LT Category-I: Domestic	-	-	-	-	HT Commercial	HT Category III (A): Industry (General)	-
Assam	2021-22	Applicability (Yes/No)	No	No	No	No	No	No	Yes	Yes
		Category	-	-	-	-	-	-	1. HT-I Industries 2. HT-II Industries	1. HT-VI Tea, Coffee & Rubber plantation/production. 2. HT-VII Installation of Oil & Coal sector
Bihar	2021-22	Applicability (Yes/No)	No	No	No	No	No	No	Yes	Yes

Applicability of TOD Tariff

State	Year	TOD Applicability	Consumer Category							
			Domestic	LT Commercial	LT Industrial	LT Others	Agriculture	HT Commercial	HT and EHT Industrial	HT and EHT Others
		Category	-	-	-	-	-	-	1. HTS – I (11 kV) 2. HTS – II (33 kV) 3. HTS – III (132 kV) 4. HTS-IV (220 kV) 5. HTSS – (33 kV/11 kV)	Railway Traction Service (RTS)
Chhattisgarh	2021-22	Applicability (Yes/No)	No	No	No	No	No	No	Yes	No
		Category	-	-	-	-	-	-	1. HV-2 (Mines) 2. HV-3 (Other Industrial and General Purpose) 3. HV-4 Steel Industries	-
Delhi	2020-21	Applicability (Yes/No)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Category	-	ToD is applicable with a condition that sanctioned load/MDI (whichever is higher) is 100kW / 108 kVA and above						
Gujarat	2020-21	Applicability (Yes/No)	No	No	No	Yes	No	Yes	Yes	Yes

Applicability of TOD Tariff

State	Year	TOD Applicability	Consumer Category							
			Domestic	LT Commercial	LT Industrial	LT Others	Agriculture	HT Commercial	HT and EHT Industrial	HT and EHT Others
		Category	-	-	-	All Water works and sewerage pumps ¹	-	HTP-I ² HTP-III ³	HTP-I ²	HTP-II ⁴ HTP-III ³
Haryana	2021-22	Applicability (Yes/No)	No	No	No	No	No	Yes	Yes	Yes
		Category	-	-	-	-	-	1. H.T. Non-Domestic 2. Bulk Supply consumers (Excluding Bulk DS)	H.T Industry including Arc Furnace	Electric vehicle Charging station
Jharkhand	2020-21	Applicability (Yes/No)	No	No	No	No	No	Yes	Yes	No
		Category	-	-	-	-	-	HT Institutional	Industrial HTS Consumer	-
Karnataka	2021-22	Applicability (Yes/No)	No	No	Yes	No	No	Yes	Yes	Yes
		Category	-	-	1. LT-5 (a) ⁵ 2. LT-5 (b) ⁶	-	-	1. HT-2B (i) ⁵ 2. HT-2B (ii) ⁷	1. HT-2A (i) ⁵ 2. HT-2A (ii) ⁸	1. HT 2 C (i) ⁹ 2. HT-2C(ii) ¹⁰ 3. HT-1 Water Supply & Sewerage (Optional)
Madhya Pradesh	2021-22	Applicability (Yes/No)	No	No	No	No	Yes	Yes	Yes	Yes

Applicability of TOD Tariff

State	Year	TOD Applicability	Consumer Category							
			Domestic	LT Commercial	LT Industrial	LT Others	Agriculture	HT Commercial	HT and EHT Industrial	HT and EHT Others
		Category	-	-	-	-	HV 5.1 lift irrigation, Group irrigation	1. HV-3.2: Non-Industrial 2. HV-3.3: Shopping Mall	1. HV-3.1: Industrial 2. HV-3.4: Power Intensive Industries 3. HV-4: Seasonal	1. HV-2: Coal Mines 2. HV-5.1: Public Water Works 3. HV-5.2: Other than Agricultural
Maharashtra	2021-22	Applicability (Yes/No)	No	Yes	Yes	Yes	No	Yes	Yes	Yes

Applicability of TOD Tariff

State	Year	TOD Applicability	Consumer Category							
			Domestic	LT Commercial	LT Industrial	LT Others	Agriculture	HT Commercial	HT and EHT Industrial	HT and EHT Others
		Category	-	1. LT II - LT Commercial (B) > 20 kW and ≤ 50 kW load (C) > 50 kW load	1. LT-V -LT Industry	1. LT-Public Water Works (PWW) and Sewage Treatment Plants 2. LT - Government Educational Institutions and Hospitals 3. LT - Public Services - Others 4. LT – Electric Vehicle (EV) Charging Stations	-	HT II: HT-Commercial	HT I: HT – Industry	1. HT IV-Public Water Works (PWW) and Sewage Treatment Plants 2. HT VIII (A)- Government Educational Institutions and Hospitals 3. HT VIII (B)- Public Service - Others 4. HT IX- Electric Vehicle (EV) Charging Stations
Meghalaya	2021-22	Applicability (Yes/No)	No	No	No	No	No	No	Yes	No
		Category	-	-	-	-	-	-	Industrial (HT/EHT)	-
Odisha	2021-22	Applicability (Yes/No)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Applicability of TOD Tariff

State	Year	TOD Applicability	Consumer Category							
			Domestic	LT Commercial	LT Industrial	LT Others	Agriculture	HT Commercial	HT and EHT Industrial	HT and EHT Others
		Category	3 Phase Domestic	3 Phase Commercial	3 Phase Industrial	3 Phase (Except Public Lighting and Emergency Supply to captive powerplants)	3 Phase Agriculture	3 Phase HT Commercial	3 Phase HT Industrial	3 Phase HT and EHT Others
Rajasthan	2020-21	Applicability (Yes/No)	No	No	No	No	No	No	Yes	Yes
		Category	-	-	-	-	-	-	(HT-5) ¹¹	(EV/HT6) ¹²
Telangana	2018-19	Applicability (Yes/No)	No	No	No	No	No	Yes	Yes	Yes
		Category	-	-	-	-	-	1. HT-III (Airports, Railway stations and Bus stations)	1. HT-I (Industry) 2. HT-I (A) (Industry – General - Poultry farms)	1. HT-II (Others)
Uttar Pradesh	2021-22	Applicability (Yes/No)	No	No	Yes	Yes	No	No	Yes	No
		Category	-	-	LMV 6 Small and Medium Power	LMV 3 Public Lamps LMV 11 Electric Vehicle Charging	-	-	HV 2 Large and Heavy Power	-
Uttarakhand	2021-22	Applicability (Yes/No)	No	No	Yes	No	No	Yes	Yes	No

Applicability of TOD Tariff

State	Year	TOD Applicability	Consumer Category							
			Domestic	LT Commercial	LT Industrial	LT Others	Agriculture	HT Commercial	HT and EHT Industrial	HT and EHT Others
		Category	-	-	RTS-5: Industry-LT Industry with load more than 25 KW	-	-	RTS-2: With load more than 25 KW	RTS-5: Industry-HT Industry	-
Himachal Pradesh	2021-22	Applicability (Yes/No) ¹⁸	No	No	Yes	No	Yes	No	Yes	No
		Category	-	-	1. Small Industrial Power Supply (SIP) with contract demand more than 20 KVA 2. Medium Industrial Power Supply (MIP)	-	Irrigation & Drinking Water Pumping Supply (IDWPS)	-	Large Industrial Power Supply (LIP)	-
Kerala	2020-21	Applicability (Yes/No)	Yes	No	Yes	No	Yes	Yes	Yes	Yes
		Category	HT-V and LT ¹³	-	LT IV ¹⁴	-	HT III Agricultural	HT IV Commercial	1. HT I Industrial 2. HT II General	All EHT Consumer & HT (except HT-V Domestic consumer)
Punjab	2021-22	Applicability (Yes/No)	No	Yes	No	No	No	No	Yes	Yes

Applicability of TOD Tariff

State	Year	TOD Applicability	Consumer Category							
			Domestic	LT Commercial	LT Industrial	LT Others	Agriculture	HT Commercial	HT and EHT Industrial	HT and EHT Others
		Category	-	Non-Residential Consumers Above 100 kVA	-	-	-	-	Medium Supply/Large Supply Industrial ¹⁵	EV Charging Stations Bulk Supply
Tamil Nadu	2017-18	Applicability (Yes/No)	No	No	No	No	No	No	Yes	No
		Category	-	-	-	-	-	-	HT IA Industrial	-
Tripura	2020-21	Applicability (Yes/No)	No	No	Yes	Yes	Yes	Yes	Yes	Yes
		Category	-	-	Industrial	Water Works	Irrigation	Tea/Coffee/Rubber Gardens	Industrial	Bulk Supply having total connected load 25 KVA or above
West Bengal	2019-20	Applicability (Yes/No)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Applicability of TOD Tariff

State	Year	TOD Applicability	Consumer Category							
			Domestic	LT Commercial	LT Industrial	LT Others	Agriculture	HT Commercial	HT and EHT Industrial	HT and EHT Others
		Category	-	Commercial Rural and Urban	1. Cottage Industry/Artisans/Weavers ¹⁶	1. Public water works and sewerage system 2. Public Utility 11kv and 33kV	1. Irrigation Pumping for Agriculture 2. Short term Irrigation Supply 3. Short term supply for commercial plantation 4. Community Irrigation and commercial plantation	Commercial consumer 50 kVA and above	1. Industry Rural 2. Industry Urban 3. Industrial consumer 50 kVA and above 4. Industries 11kV and 33kV 5. Industries 220 kV and 400 kV	1. Emergency Supply 2. Construction Power Supply 3. Common Service of Industrial estate
Goa	2021-22	Applicability (Yes/No)	Yes	No	Yes	No	Yes	Yes	Yes	Yes
		Category	HTD Domestic	-	LTI/ Industrial (Optional)	-	1. High Tension-AG/HT-AGP (Pump Sets/Irrigation) 2. High Tension-AG/HT-AG (Allied Activities)	HTC Commercial	1. HTI Industrial 2. High Tension-Ferro/SM/PI/SR	1. Military Engineering Services/defense Establishments 2. HT Temporary

Applicability of TOD Tariff

State	Year	TOD Applicability	Consumer Category							
			Domestic	LT Commercial	LT Industrial	LT Others	Agriculture	HT Commercial	HT and EHT Industrial	HT and EHT Others
J&K and Ladakh	2016-17	Applicability (Yes/No)	No	No	No	No	No	No	Yes	No
		Category	-	-	-	-	-	-	1. HT Industrial supply (33KV) 2. HT Industrial supply for Power Intensive Industries(33KV)	-
Chandigarh	2021-22	Applicability (Yes/No)	Yes	No	No	No	No	Yes	Yes	Yes
		Category	HT Domestic (Optional)	-	-	-	-	HT Commercial (Optional)	Large Industrial Supply	Bulk Supply
Daman and Diu	2021-22	Applicability (Yes/No)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Applicability of TOD Tariff

State	Year	TOD Applicability	Consumer Category							
			Domestic	LT Commercial	LT Industrial	LT Others	Agriculture	HT Commercial	HT and EHT Industrial	HT and EHT Others
		Category	Domestic	Commercial	LT Industrial	LT Public Water Works	Agriculture	HT consumers	1. HHT Industrial (Ferro Metallurgical/ Steel Melting/ Steel Rerolling/Power Intensive (For all units))	1. Public Lighting 2. Hoardings /Signboards 3. Temporary Supply

Notes:

- A. For the States/UTs of Arunachal Pradesh, Manipur, Mizoram, Nagaland, Sikkim, Andaman & Nicobar Islands, Dadar and Nagar Haveli, Puducherry, and Lakshadweep the commission has not approved any ToD tariffs in their latest tariff orders.

Remarks:

- ToD is applicable to this category having connected load of 50 HP and above but this TOD is only applicable to get discount while operating during off peak hours (1100 to 1800 hrs. and 2200 to 0600 hrs.).
- HT Consumers contracted for 100 KVA and above for regular power supply.
- HT Consumers contracted for 100 KVA and above for temporary power supply.
- HT Consumers contracted for 100 KVA and above, requiring power supply for water works and sewerage pumping stations run by local authorities
- Optional Industrial - Applicable to Bangalore Mahanagara Palike Municipal
- Optional Industrial - Applicable to all areas other than those covered under LT5(a)

Applicability of TOD Tariff

7. Commercial - Applicable to areas other than those covered under HT2(b) (i)
8. Industrial - Applicable to areas other than those under HT2(a) (i).
9. Govt./ Aided Hospitals & Educational Institutions
10. Hospitals and Educational Institutions other than covered under HT-2 (c) (i)
11. Large Industry Consumers having sanctioned connected load above 150 HP &/or contract demand above 125 HP.
12. Electric vehicle Charging station having contract/maximum demand above 50 KVA
13. Domestic consumers having monthly consumption above 500 units
14. Industrial consumer having connected load above 20 KW
15. Including Rural Water Supply Schemes & Compost/Solid Waste Management Plants
16. Poultry, duckery, horticulture, tissue culture, floriculture, herbal medicine, biodiesel plant farming, food processing unit and small production-oriented establishment not run by electricity as motive power
17. Advertisement and hoardings, temp supply, and connections, charging stations for e-rickshaws
18. Night concession tariff applicable for the state of Himachal Pradesh



SECTION 10

RETURN ON EQUITY



Return on Equity (Distribution Utilities)

(Figures in %)

	Year	Approved RoE (in Rs. Cr)	Approved rate of post-tax RoE	Rate of post-tax RoE as per tariff regulations
DISCOMS				
Andhra Pradesh	2021-22	1,627 ¹	2.00%- Supply, 11.23%- Wire ¹	16.00%
APEPDCL	2021-22	Supply-21, Wire-468	2.00%- Supply, 11.23%- Wire	16.00%
APSPDCL	2021-22	Supply-31, Wire-1,090	2.00%- Supply, 11.23%- Wire	16.00%
APCPDCL ^B	2021-22	Supply-18	2.00%-Supply	NA
Assam	2021-22	76	16.00%	16.00%
APDCL	2021-22	76	16.00%	16.00%
Bihar	2021-22	516	14.00% & 15.50% ²	14.00% & 15.50%
NBPDCL	2021-22	265	14.00% & 15.50%	14.00% & 15.50%
SBPDCL	2021-22	251	14.00% & 15.50%	14.00% & 15.50%
Chhattisgarh	2021-22	327	16.00%	16.00%
CSPDCL	2021-22	327	16.00%	16.00%
Delhi	2020-21	1,357 ¹	11.61%-14.39% ¹	16.00%
BRPL	2020-21	573	14.25%	16.00%
BYPL	2020-21	374	14.39%	16.00%
TPDDL	2020-21	410	11.61%	16.00%
Gujarat	2021-22	1,292	14.00%	14.00%
DGVCL	2021-22	190	14.00%	14.00%
MGVCL	2021-22	170	14.00%	14.00%
UGVCL	2021-22	256	14.00%	14.00%
PGVCL	2021-22	676	14.00%	14.00%
Haryana	2021-22	434	10.00% ³	14.00%
DHBVNL	2021-22	220	10.00%	14.00%
UHBVNL	2021-22	214	10.00%	14.00%
Jharkhand	2020-21	322	15.50%	15.50%
JBVNL	2020-21	322	15.50%	15.50%
Karnataka	2021-22	563	0.00%-15.50%	15.50%
BESCOM	2021-22	285 ⁵	15.50%	15.50%
CHESCOM	2021-22	0	0.00% ⁴	15.50%
GESCOM	2021-22	0	0.00% ⁴	15.50%
HESCOM	2021-22	0	0.00% ⁴	15.50%
MESCOM	2021-22	152 ⁵	15.50%	15.50%
Madhya Pradesh	2021-22	986	16.00%	16.00% ⁶
MPMaKVVCL	2021-22	407	16.00%	16.00%
MPPaKVVCL	2021-22	218	16.00%	16.00%
MPPoKVVCL	2021-22	361	16.00%	16.00%
Maharashtra	2021-22	2,195	14.00%-15.50%	14.00%-15.50%

Return on Equity (Distribution Utilities)

(Figures in %)

	Year	Approved RoE (in Rs. Cr)	Approved rate of post-tax RoE	Rate of post-tax RoE as per tariff regulations
MSEDCL	2021-22	240-Supply, 1,955- Wire	15.50%- Supply, 14.00%-Wire	15.5%- Supply, 14.00%-Wire
Meghalaya⁷	2021-22	NA	0.00%	14.00%
MePDCL	2021-22	NA	0.00%	14.00%
Odisha	2021-22	168	16.00%	16.00%
TPCODL	2021-22	48	16.00%	16.00%
NESCO Utility	2021-22	40	16.00%	16.00%
TPSODL	2021-22	32	16.00%	16.00%
TPWODL	2021-22	48	16.00%	16.00%
Rajasthan	2019-20	NA	0.00% ⁸	16.00%
AVVNL	2019-20	NA	0.00%	16.00%
JdVVNL	2019-20	NA	0.00%	16.00%
JVVNL	2019-20	NA	0.00%	16.00%
Telangana	2020-21	1,000 ¹	10.89% ¹	16.00%
TSNPDCL	2020-21	353	10.89%	16.00%
TSSPDCL	2020-21	647	10.89%	16.00%
Uttar Pradesh	2021-22	2,220	15.00%	15.00%
DVVNL	2021-22	540	15.00%	15.00%
KESCO	2021-22	55	15.00%	15.00%
MVVNL	2021-22	494	15.00%	15.00%
PaVVNL	2021-22	579	15.00%	15.00%
PuVVNL	2021-22	552	15.00%	15.00%
Uttarakhand	2021-22	118	16.50%	16.50%
UPCL	2021-22	118	16.50%	16.50%
GEDCO/Integrated Utilities				
Himachal Pradesh	2021-22	56	16.00%	16.00%
HPSEBL	2021-22	56	16.00%	16.00%
Kerala	2021-22	254	14.00%	14.00%
KSEBL	2021-22	254	14.00%	14.00%
Manipur	2021-22	2	15.50%	15.50%
MSPDCL	2021-22	2	15.50%	15.50%
Punjab	2021-22	589	16.00%	16.00%
PSPCL	2021-22	58.8- Supply, 529.9- Wire	16.00%	16.00%
Tamil Nadu	2017-18	NA	0.00% ⁹	14.00%
TANGEDCO	2017-18	NA	0.00%	14.00%
Tripura	2020-21	17	15.50%	15.50%
TSECL	2020-21	17	15.50%	15.50%
West Bengal	2019-20	322	16.50%	16.50%
WBSEDCL	2019-20	322	16.50%	16.50%
Power Departments				

Return on Equity (Distribution Utilities)

(Figures in %)

	Year	Approved RoE (in Rs. Cr)	Approved rate of post-tax RoE	Rate of post-tax RoE as per tariff regulations
Arunachal Pradesh	2018-19	NA	0.00% ¹⁰	16.00%
Arunachal PD	2018-19	NA	0.00%	16.00%
Goa	2021-22	108	15.50%-16.00%	15.50%-16.00%
Goa PD	2021-22	11.08-Supply, 96.58-Wire	16%-Supply, 15.50%-Wire	16%-Supply, 15.50%-Wire
J&K and Ladakh	2016-17	NA	0.00% ¹⁰	15.50% ¹¹
JKPDD	2016-17	NA	0.00%	15.50%
Mizoram	2021-22	NA	0.00% ¹⁰	15.50%
Mizoram PD	2021-22	NA	0.00%	15.50%
Nagaland	2020-21	NA	0.00% ¹²	15.50%
Nagaland PD	2020-21	NA	0.00%	15.50%
Puducherry	2021-22	48	15.50%-16.00%	15.50%-16.00%
Puducherry PD	2021-22	4.89-Supply, 42.64-Wire	16.00%-Supply, 15.50%-Wire	16.00%-Supply, 15.50%-Wire
Sikkim	2021-22	NA	0.00% ¹⁰	14.00%
Sikkim PD	2021-22	NA	0.00%	14.00%
Union Territories				
Andaman & Nicobar	2021-22	11	16.00%	16.00%
ED Andaman & Nicobar	2021-22	11	16.00%	16.00%
Chandigarh	2021-22	22	15.50%-16.00%	15.50%-16.00%
Chandigarh ED	2021-22	2.26- Supply, 19.74-Wire	16.00%-Supply, 15.50%-Wire	16.00%-Supply, 15.50%-Wire
Dadra & Nagar Haveli	2021-22	25	15.50%-16.00%	15.50%-16.00%
DNHPDCL	2021-22	2.55- Supply, 22.21-Wire	16.00%-Supply, 15.50%-Wire	16.00%-Supply, 15.50%-Wire
Daman & Diu	2021-22	17	15.50%-16.00%	15.50%-16.00%
Daman & Diu ED	2021-22	1.74- Supply, 15.21-Wire	16.00%-Supply, 15.50%-Wire	16.00%-Supply, 15.50%-Wire
Lakshadweep	2021-22	10	16.00%	16.00%
Lakshadweep ED	2021-22	10	16.00%	16.00%

Notes:

- A. For Maharashtra, Punjab, Goa, Daman & Diu, Dadra & Nagar Haveli, Chandigarh, and Puducherry, approved rate of RoE values has been captured separately for wires and supply business.
- B. For the state of Andhra Pradesh, regulatory commission has granted license to Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL), to undertake distribution of electricity in Krishna, Guntur and Prakasam districts of Andhra Pradesh state for 25 years with effect from 1st April 2020

Return on Equity (Distribution Utilities)

(Figures in %)

Remarks:

1. For Andhra Pradesh, Telangana and Delhi, the respective Commissions allows Return on Capital Employed (RoCE) - instead of RoE. Weighted Average Cost of Capital (WACC) values used for computing RoCE have been considered here as mentioned in respective tariff orders.
2. For the state of Bihar, the Commission has approved 14% RoE on equity upto FY 2016 end & 15.5% on equity w.e.f 1st April 2016 as per Clause 27(c) of the Multiyear Distribution Tariff Regulation 2018.
3. The commission has allowed only 10% as RoE for FY2022 on account of economic scenario arising out of COVID-19 pandemic and the resulting restriction/lockdown.
4. For HESCOM, GESCOM and CHESCOM the commission has not approved any RoE as the entity had a negative net worth for FY 2022.
5. For BESCOM and MESCOM (Karnataka), the Commission has approved pre-tax ROE of 18.78%, considering a Minimum Alternate Tax (MAT) rate of 17.47% as per the tariff order of FY22.
6. For the state of Madhya Pradesh, it is mentioned in the tariff regulations that “Return on equity shall be computed on pre-tax basis at the rate of 16%. Any expenses on payment of Income Tax shall be allowed extra on actual basis on the licensed business of Distribution Licensee”.
7. In its MYT for 3rd control period (FY 2019-24), the commission has approved nil return on equity in anticipation of negative GFA based on projected capital investment and the receipt of the Govt. Grants.
8. For the state of Rajasthan, it is mentioned in the tariff order that “DISCOMs have not furnished the approval of government for claiming the Return on Equity, therefore, the Commission has not allowed Return on Equity for FY 2019-20”.
9. For the state of Tamil Nadu, it is mentioned in the tariff order that, “the Commission has not allowed any return on equity due to the following reasons (i) Commission has approved interest on total outstanding loans as on November 2010, (ii) Based on available sources of funding, equity has been diverted towards revenue account from 2002-03 and hence the addition in equity base as per audited accounts is on account of funding the revenue expenditure and not for creation of capital assets, and (ii) loans approved for funding the capital expenditure for generating stations and distribution business during the control period are without considering the equity”.
10. For Arunachal Pradesh, Mizoram, Sikkim, and Jammu and Kashmir the distribution licensee has not claimed RoE as the assets are being funded by the state government as a grant component.
11. For Jammu and Kashmir, it is mentioned in the tariff regulations that RoE shall be computed on pre-tax basis at the rate of 15.5% for the DISCOM.
12. For the state of Nagaland, the Commission has not approved return on equity for the control period of 2020-21 till 2024-25 due to non-submission of audited accounts of previous years by the petitioner.

Return on Equity (Generation Utilities)

(Figures in %)

	Year	Approved RoE (in Rs. Cr)	Approved rate of post-tax RoE	Rate of post-tax RoE as per tariff regulations
GENCOs				
Andhra Pradesh	2021-22	568	11.80%	NA ¹
APGENCO	2021-22	568	11.80%	NA
Assam	2021-22	44	15.50%	15.50%
APGCL	2021-22	44	15.50%	15.50%
Bihar	2018-19	245	14.00%	14.00%
BSPGCL	2018-19	245	14.00%	14.00%
Chhattisgarh	2021-22	457 ²	15.50% ²	15.50% ²
CSPGCL	2021-22	457 ²	15.50%	15.50%
Delhi	2020-21	65	8.72%	NA ¹
IPGCL	2020-21	24	8.29%	NA
PPCL	2020-21	41	9.15%	NA
Gujarat	2021-22	1,056	14.00% ³	14.00%
GSECL	2021-22	1,056	0.00%	14.00%
Haryana	2021-22	1,953	10.00% ⁴	14.00%
HPGCL	2021-22	1,953	10.00%	14.00%
Himachal Pradesh	2018-19	29	15.50%	15.50%
HPSEB Ltd.	2018-19	29	15.50%	15.50%
Jharkhand	2020-21	3	15.50%	15.50%
JUUNL	2020-21	3	15.50%	15.50%
Karnataka ⁵	2018-19	31	15.50%	15.50%
KPCL	2018-19	31	15.50%	15.50%
Kerala	2021-22	116	14.00%	14.00%
KSEB	2021-22	116	14.00%	14.00%
Madhya Pradesh	2015-16	340	15.50%	15.50%
MPPGCL	2015-16	340	15.50%	15.50%
Maharashtra	2021-22	1,586	14.00%	15.50%
MSPGCL	2021-22	1,586	14.00%	15.50%
Manipur	NA	NA ⁶	NA ⁶	15.50%
MSPCL	NA	NA	NA	15.50%
Meghalaya	2021-22	58	14.00%	14.00%
MePGCL	2021-22	58	14.00%	14.00%
Odisha	2021-22	152	16.00%	16.00%
OHPC	2021-22	80	15.50% & 16.00% ⁷	16.00%
OPGCL	2021-22	72	16.00%	16.00%
Punjab	2021-22	386	15.50% - 16.50% ⁸	15.50% - 16.50%
PSPCL	2021-22	386	15.50% - 16.50%	15.50% - 16.50%
Rajasthan	2020-21	480	15.00%	15.00%
RRVUNL	2020-21	480	15.00%	15.00%
Tamil Nadu	2018-19	0	0.00% ⁹	14.00%
TANGEDCO	2018-19	0	0.00%	14.00%
Telangana	2018-19	1,747	13.40%	NA ¹

Return on Equity (Generation Utilities)

(Figures in %)

	Year	Approved RoE (in Rs. Cr)	Approved rate of post-tax RoE	Rate of post-tax RoE as per tariff regulations
TSGENCO	2018-19	1,747	13.40%	NA
Tripura	2020-21	12	15.50% - 16.50% ⁸	15.50% - 16.50%
TPGL	2020-21	12	15.50% - 16.50%	15.50% - 16.50%
Uttar Pradesh	2018-19	653	15.50%	15.50%
UPJVNL	2018-19	14	15.50%	15.50%
UPRVUNL	2018-19	639	15.50%	15.50%
Uttarakhand	2021-22	104	16.50% & 15.50% ¹⁰	16.50% & 15.50% ¹⁰
UJVNL	2021-22	104	16.50% & 15.50%	16.50% & 15.50%
West Bengal	2017-18 & 2019-20	879 ¹¹	0.00% & 15.50%	15.50% ¹¹
WBPDC	2019-20	879	15.50%	15.50%
WBSEDCL	2017-18	0	0.00%	15.50%
Power Departments				
Arunachal Pradesh	2019-20	23	14.00%	14.00%
Arunachal PD	2019-20	23	14.00%	14.00%
Goa	2020-21	NA ⁶	NA ⁶	15.50% ¹²
Goa PD	2020-21	NA	NA	15.50%
J&K and Ladakh	2015-16	254	14.00% ¹²	15.50% & 16.50% ¹³
JKSPDC	2015-16	254	14.00%	15.50% & 16.50%
Mizoram	2020-21	0	0.00% ¹⁴	15.50%
Mizoram PD	2020-21	0	0.00% ¹⁴	15.50%
Nagaland	2020-21	0	0.00% ¹⁵	15.50%
Nagaland PD	2020-21	0	0.00% ¹⁵	15.50%
Puducherry	2020-21	11	15.50%	15.50%
PPCL	2020-21	11	15.50%	15.50%
Sikkim	2020-21	0	0.00% ¹⁴	14.00%
Sikkim PD	2020-21	0	0.00% ¹⁴	14.00%
Union Territories				
Andaman & Nicobar	2020-21	NA ⁶	NA ⁶	15.50% ¹²
ED Andaman & Nicobar	2020-21	NA	NA	15.50%
Chandigarh	2020-21	NA ⁶	NA ⁶	15.50% ¹²
Chandigarh ED	2020-21	NA	NA	15.50%
Dadra & Nagar Haveli	2020-21	NA ⁶	NA ⁶	15.50% ¹²
DNHPDCL	2020-21	NA	NA	15.50%
Daman & Diu	2020-21	NA ⁶	NA ⁶	15.50% ¹²
Daman & Diu ED	2020-21	NA	NA	15.50%
Lakshadweep	2020-21	NA ⁶	NA ⁶	15.50% ¹²
Lakshadweep ED	2020-21	NA	NA	15.50%

Return on Equity (Generation Utilities)

(Figures in %)

Remarks:

1. For Andhra Pradesh, Telangana and Delhi, the respective Commissions allow RoCE instead of RoE. As per the respective tariff regulations, the Regulated Rate Base (RRB) for estimating the RoCE for a given year of the control period shall be determined at the beginning of the control period in the corresponding tariff order.
2. For the state of Chhattisgarh, the Commission has approved a pre-tax ROE of Rs. 457 Crore as per FY 2021-22 tariff order.
3. For the state of Gujarat, the Commission has considered RoE of 13% for Gandhinagar-5, Wanakbori-7 and Dhuvaran CCPP 1 and RoE of 14% for all other stations.
4. For the state of Haryana, the Commission has considered RoE at 10% taking a holistic view of the power sector in Haryana and its cascading impact on electricity tariff at the consumers end.
5. For the state of Karnataka, the Commission in its tariff order dated 25.02.2014 has approved tariff for Raichur Thermal Power Station for a period of 25 years starting FY 2011 based on MYT regulation for the control period 2009-14. MYT regulation for the control period 2014-19 is available but the commission is yet to approve tariff of any generation plant as per these regulations.
6. For the states of Manipur & Goa and Union territories, the respective commissions have not approved any RoE as the individual states/UTs do not own any separate generation asset/Utility.
7. For the State of Odisha, The Commission has considered RoE of 15.5% for old generating stations and RoE of 16% for UIHEP
8. For the state of Punjab and Tripura, it is mentioned in the tariff regulations that return on equity shall be computed at the rate of 15.50% and 16.50% for thermal power stations and storage type hydro generating stations respectively.
9. For the state of Tamil Nadu, it is mentioned in the tariff order that, “the Commission has not allowed any return on equity due to the following reasons (i) Commission has approved interest on total outstanding loans as on November 2010, (ii) Based on available sources of funding, equity has been diverted towards revenue account from 2002-03 and hence the addition in equity base as per audited accounts is on account of funding the revenue expenditure and not for creation of capital assets, and (ii) loans approved for funding the capital expenditure for generating stations and distribution business during the control period are without considering the equity”.
10. For the state of Uttarakhand, the Commission has approved return on equity at the rate of 16.50% for Chibro, Khodri, Ramganga & MB-I & II and at the rate of 15.50% for Dhakrani, Dhalipur, Kulhal, Chilla & Khatima as per the MYT Order for the control period 2019-20 to 2020-22.
11. For the state of West Bengal, it is mentioned in the tariff regulations that return on equity will be estimated at a rate specified in the Central Electricity Regulatory Commission (CERC) MYT Regulation in effect. For WBSEDCL, the Commission has not approved return on equity as per the tariff order 2017-18 for Generation Business.
12. For the state of Goa and Power Departments (PDs) under JERC, it is mentioned in the tariff regulation that the RoE shall be estimated based at a rate specified in the prevalent CERC Tariff Regulations.

Return on Equity (Generation Utilities)

(Figures in %)

13. For Jammu and Kashmir, it is mentioned in the tariff regulations that return on equity shall be computed at a rate of 15.50% for thermal generating stations and run of the river hydro generating stations and at the rate of 16.50% for the storage type hydro generating stations. The Commission has approved RoE for 2015-16 as per Regulation 18 and Regulation 25 of the JKSERC (Hydro Generation Tariff) Regulations, 2011.
14. For Mizoram and Sikkim, the Commission has not approved RoE as the assets are being funded by the state government as a grant component.
15. For the state of Nagaland, the Commission has not allowed any RoE for FY 2021 in absence of audited accounts viz. profit & loss account, balance sheet etc.

Return on Equity (Transmission Utilities)

(Figures in %)

	Year	Approved RoE (in Rs. Cr)	Approved rate of post-tax RoE	Rate of post-tax RoE as per tariff regulations
TRANSCO				
Andhra Pradesh	2021-22	1,083	11.23% ¹	NA ¹
APTRANSCO	2021-22	1,083	11.23%	NA
Assam	2021-22	15	15.50%	15.50%
AEGCL	2021-22	15	15.50%	15.50%
Bihar	2021-22	271 ²	10.00% ²	14.00% & 15.50% ²
BSPTCL	2021-22	271	10.00%	14.00% & 15.50%
Chhattisgarh	2021-22	219 ³	15.50% ³	15.50% ³
CSPTCL	2021-22	219 ³	15.50%	15.50%
Delhi	2020-21	457	12.46%	NA ¹
DTL	2020-21	457	12.46%	NA
Gujarat	2021-22	1,096	14.00%	14.00%
GETCO	2021-22	1,096	14.00%	14.00%
Haryana	2020-21	0 ⁴	0.00% ⁴	14.00% ⁴
HVPNL	2020-21	0	0.00%	14.00%
Himachal Pradesh	2021-22	2 ⁵	15.50% ⁵	15.50% ⁵
HPPTCL	2021-22	2	15.50%	15.50%
Jharkhand	2020-21	92	15.50%	15.50%
JUSNL	2020-21	92	15.50%	15.50%
Karnataka	2021-22	843	15.50%	15.50%
KPTCL	2021-22	843	15.50%	15.50%
Kerala	2021-22	120	14.00%	14.00%
KSEB	2021-22	120	14.00%	14.00%
Madhya Pradesh	2018-19	388	15.50%	15.50%
MPPTCL	2018-19	388	15.50%	15.50%
Maharashtra	2021-22	1,149 ⁶	16.96% ⁶	14.00% ⁶
MSETCL	2021-21	1,149	16.96%	14.00%
Manipur	2021-22	2	15.50%	15.50%
MSPCL	2021-22	2	15.50%	15.50%
Meghalaya	2021-22	15	14.00%	14.00%
MePTCL	2021-22	15	14.00%	14.00%
Odisha	2021-22	132	15.50%	15.50%
OPTCL	2021-22	132	15.50%	15.50%
Punjab	2021-22	109	15.50%	15.50%
PSTCL	2021-22	109	15.50%	15.50%
Rajasthan	2020-21	96 ⁷	2.00% ⁷	14.00% ⁷
RRVNL	2020-21	96	2.00%	14.00%
Tamil Nadu	2018-19	445	14.00%	14.00%
TANTRANSCO	2018-19	445	14.00%	14.00%

Return on Equity (Transmission Utilities)

(Figures in %)

	Year	Approved RoE (in Rs. Cr)	Approved rate of post-tax RoE	Rate of post-tax RoE as per tariff regulations
Telangana	2021-22	1,236	10.89% ¹	NA
TSTRANSCO	2021-22	1,236	10.89%	NA
Tripura	2020-21	4	15.50%	15.50%
TSECL	2020-21	4	15.50%	15.50%
Uttar Pradesh	2021-22	173 ⁸	2.00% ⁸	15.50% ⁸
UPPTCL	2021-22	173	2.00%	15.50%
Uttarakhand	2021-22	42	15.50%	15.50%
PTCUL	2021-22	42	15.50%	15.50%
West Bengal	2021-22	536 ⁹	15.50% ⁹	15.50% ⁹
WBSETCL	2021-22	536	15.50%	15.50%
Power Departments				
Arunachal Pradesh	2018-19	NA ¹⁰	NA ¹⁰	14.00%
Arunachal PD	2018-19	NA	NA	14.00%
Goa	2020-21	NA ¹²	NA ¹²	15.50% ¹¹
Goa PD	2020-21	NA	NA	15.50%
J&K and Ladakh	2016-17	NA ¹⁰	NA ¹⁰	NA
JKPDD-T	2016-17	NA	NA	NA
Mizoram	2015-16	NA ¹⁰	NA ¹⁰	15.50%
Mizoram PD	2015-16	NA	NA	15.50%
Nagaland	2020-21	0 ¹³	0.00% ¹³	15.50%
Nagaland PD	2020-21	0	0.00%	15.50%
Puducherry	2020-21	NA ¹²	NA ¹²	15.50%
Puducherry PD	2020-21	NA	NA	15.50%
Sikkim	2020-21	NA ¹⁰	NA ¹⁰	14.00%
Sikkim PD	2020-21	NA	NA	14.00%
Union Territories				
Andaman & Nicobar	2020-21	NA ¹²	NA ¹²	15.50% ¹¹
ED Andaman & Nicobar	2020-21	NA	NA	15.50%
Chandigarh	2020-21	NA ¹²	NA ¹²	15.50% ¹¹
Chandigarh ED	2020-21	NA	NA	15.50%
Dadra & Nagar Haveli	2021-22	8	15.50%	15.50% ¹¹
DNHPDCL	2021-22	8	15.50%	15.50%
Daman & Diu	2020-21	NA ¹²	NA ¹²	15.50% ¹¹
Daman & Diu ED	2020-21	NA	NA	15.50%
Lakshadweep	2020-21	NA ¹²	NA ¹²	15.50% ¹¹
Lakshadweep ED	2020-21	NA	NA	15.50%

Remarks:

Return on Equity (Transmission Utilities)

(Figures in %)

1. For Andhra Pradesh, Telangana and Delhi, the respective Commissions allow tariff under RoCE instead of RoE. As per the respective tariff regulations, the RRB for estimating the RoCE for a given year of the control period shall be determined at the beginning of the control period in the corresponding tariff order.
2. For the state of Bihar, the Commission has approved 10% RoE for FY 2022 in order to reduce the financial burden on the end consumer.
3. For the state of Chhattisgarh, the Commission has approved a pre-tax ROE of Rs. 219 Crore for FY 2022 as per 2021-22 tariff order.
4. For the state of Haryana, the Commission has not allowed ROE for 2020-21 due to the unprecedented situation emanating from the COVID-19 pandemic and the resulting restriction/lockdown ordered by Central Government/State Government
5. For the state of Himachal Pradesh, the Commission has approved RoE for 220kV D/C Kashang Bhaba transmission line as per the MYT order for 2016-17 till 2023-24.
6. For the state of Maharashtra, the Commission, in its MYT order for the control period FY 2021-25 has approved a pre-tax RoE of Rs. 1,148.67 Crore considering a MAT rate of 17.47% and pretax rate of return of 16.96%.
7. In the state of Rajasthan, RRVPNL, in its tariff petition for FY 2020-21 has claimed RoE at the rate of 2%. The Commission, in line with its previous tariff orders for RRVPNL has approved RoE at the claimed rate.
8. In the state of Uttar Pradesh, UPPTCL, in its tariff order for FY 2021-22 has claimed RoE at a rate of 2%. The Commission has approved RoE at the claimed rate with the view that a higher rate may lead to an increase in arrears and accumulation of receivables for UPPTCL.
9. For the state of West Bengal, as per Tariff Regulations, 2011 the RoE rate shall be same as those in CERC MYT Regulations effective during the period in consideration.
10. The respective commissions of Arunachal Pradesh, J&K, Sikkim and Mizoram have not approved any RoE in their relevant tariff orders citing the reason that PDs are completely funded by state government.
11. For the state of Goa and UTs, the JERC MYT regulations provides for RoE rates to be approved as per the prevalent CERC MYT regulations.
12. For the state of Goa and UTs of A&N Islands, Chandigarh, Daman & Diu, Puducherry and Lakshadweep, the respective commissions have not approved any RoE as the respective PDs do not own any separate transmission asset/Utility.
13. For the state of Nagaland, the Commission has not approved any RoE for FY 2020-21 in its latest MYT order due to absence of audited accounts for previous years.



SECTION 11

TRANSMISSION CHARGES



Transmission Charges

	Applicable Year	Long Term and Medium Term	Unit	Short Term	Unit
TRANSCO					
Andhra Pradesh¹	2021-22	154,544	Rs/MW/month	154,544	Rs/MW/month
APTRANSCO	2021-22	154,544	Rs/MW/month	154,544	Rs/MW/month
Assam¹	2021-22	148,326	Rs/MW/month	0.40	Rs/kWh
AEGCL	2021-22	148,326	Rs/MW/month	0.40	Rs/kWh
Bihar	2021-22	94.22	Rs. Cr./month	-	-
BSPTCL	2021-22	94.22	Rs. Cr./month	-	-
Chhattisgarh¹	2021-22	81.64	Rs. Cr./month	0.32	Rs/kWh
CSPTCL	2021-22	81.64	Rs. Cr./month	0.32	Rs/kWh
Delhi	2020-21	87.37	Rs. Cr./month	-	-
DTL	2020-21	87.37	Rs. Cr./month	-	-
Gujarat¹	2021-22	129,344	Rs/MW/month	0.36	Rs/kWh
GETCO	2021-22	129,344	Rs/MW/month	0.36	Rs/kWh
Haryana	2020-21	95.05	Rs. Cr./month	0.24	Rs/kWh
HVPNL	2020-21	95.05	Rs. Cr./month	0.24	Rs/kWh
Himachal Pradesh	2021-22	2.14	Rs. Cr./month	0.05	Rs/kWh
HPPTCL	2021-22	2.14	Rs. Cr./month	0.05	Rs/kWh
Jharkhand	2020-21	66.25	Rs. Cr./month	0.34	Rs/kWh
JUSNL	2020-21	66.25	Rs. Cr./month	0.34	Rs/kWh
Karnataka	2021-22	151,518	Rs/MW/month	1,245.35 ^{2a}	Rs. Cr./month
				622.28 ^{2b}	
				311.34 ^{2c}	
KPTCL	2021-22	151,518	Rs/MW/month	1,245.35 ^{2a}	Rs. Cr./month
				622.28 ^{2b}	
				311.34 ^{2c}	
Kerala	2021-22	0.47	Rs/kWh	-	-
KSEB	2021-22	0.47	Rs/kWh	-	-
Madhya Pradesh	2018-19	140,471	Rs/MW/month	0.34	Rs/kWh
MPPTCL	2018-19	140,471	Rs/MW/month	0.34	Rs/kWh
Maharashtra¹	2021-22	263,200	Rs/MW/month	0.41	Rs/kWh
MSETCL	2021-22	263,200	Rs/MW/month	0.41	Rs/kWh
Manipur	2021-22	315,375	Rs/MW/month	1.05	Rs/kWh
MSPCL	2021-22	315,375	Rs/MW/month	1.05	Rs/kWh
Meghalaya	2021-22	106,482	Rs/MW/month	0.34	Rs/kWh
MePTCL	2021-22	106,482	Rs/MW/month	0.34	Rs/kWh
Odisha	2021-22	0.28	Rs/kWh	-	-
OPTCL	2021-22	0.28	Rs/kWh	-	-
Punjab¹	2021-22	85,138	Rs/MW/month	0.23	Rs/kWh
PSTCL	2021-22	85,138	Rs/MW/month	0.23	Rs/kWh

Transmission Charges

	Applicable Year	Long Term and Medium Term	Unit	Short Term	Unit
Rajasthan¹	2020-21	166,148	Rs/MW/month	0.28	Rs/kWh
RRVNL	2020-21	166,148	Rs/MW/month	0.28	Rs/kWh
Tamil Nadu	2017-18	92,382	Rs/MW/month	-	-
TANTRANSCO	2017-18	92,382	Rs/MW/month	-	-
Telangana	2021-22	111,680	Rs/MW/month	-	-
TSTRANSCO	2021-22	111,680	Rs/MW/month	-	-
Tripura	2020-21	0.29	Rs/kWh	-	-
TSECL	2020-21	0.29	Rs/kWh	-	-
Uttar Pradesh	2021-22	0.24	Rs/kWh	0.24	Rs/kWh
UPPTCL	2021-22	0.24	Rs/kWh	0.24	Rs/kWh
Uttarakhand	2021-22	96,139	Rs/kWh	-	-
PTCUL	2021-22	96,139	Rs/kWh	-	-
West Bengal	2021-22	188,426	Rs/kWh	-	-
WBSETCL	2021-22	188,426	Rs/kWh	-	-
Power Departments					
Arunachal Pradesh	2018-19	71,217	Rs/MW/month	-	-
Arunachal PD	2018-19	71,217	Rs/MW/month	0.20	Rs/kWh
J&K and Ladakh	2015-16	33,640	-	-	-
JKPDD-T	2015-16	33,640	-	-	-
Mizoram	2021-22	24,941	Rs/MW/month	-	-
Mizoram PD	2021-22	24,941	Rs/MW/month	0.08	Rs/kWh
Union Territories					
Dadra & Nagar Haveli¹	2021-22	33,314	Rs/MW/month	33,314	Rs/MW/month
DNHPDCL	2021-22	33,314	Rs/MW/month	33,314	Rs/MW/month

Remarks:

- For these states, medium term transmission charges are provided in tariff order and are same as long term. As for the remaining states medium term has not been mentioned separately.
- 2a. 12 to 24 hours/day 2b. 6 to 12 hours/day 2c. 0 to 6 hours/day



SECTION 12

NUMBER OF PENDING CASES



Number of Pending Cases

	Petitions Pending			Tariff Petitions			True-up Petitions			Dispute Related		
Pending for (Months)→	<3	3-6	>6	<3	3-6	>6	<3	3-6	>6	<3	3-6	>6
Organization												
APTEL	118	82	1753	-	-	-	-	-	-	-	-	-
CERC	8	17	57	-	-	-	-	-	-	-	-	-
SERC/JERC												
Andhra Pradesh	-	-	-	-	-	-	-	-	-	-	-	-
Arunachal Pradesh	0	0	1	0	0	4	0	0	0	0	0	0
Assam	1	0	1	0	0	0	0	0	0	-	-	-
Bihar	1	4	14	0	0	0	0	1	1	-	-	-
Chhattisgarh	8	17	57	0	9	2	0	0	9	0	0	9
Delhi	10	5	20	0	0	0	-	-	-	5	3	32
Gujarat	27	46	105	0	0	0	0	0	0	11	16	45
Haryana	16	5	16	3	1	5	0	0	0	4	1	10
Himachal Pradesh	6	6	19	1	0	8	0	0	0	2	6	5
Jharkhand	0	0	4	0	1	11	-	-	-	0	0	12
Goa	7	0	0	0	0	0	0	1	7	1	0	0
J&K and Ladakh	0	0	0	0	0	0	0	0	0	1	0	0
Manipur & Mizoram	-	-	-	-	-	-	0	0	0	-	-	-
Karnataka	10	13	213	0	0	0	-	-	-	-	-	-
Kerala	-	-	-	-	-	-	0	0	0	-	-	-
Madhya Pradesh	7	1	7	0	1	0	-	-	-	9	2	1
Maharashtra	14	10	21	0	0	0	7	0	0	-	-	-
Meghalaya	5	2	3	0	0	0	-	-	-	3	2	3
Nagaland	0	0	0	-	-	-	2	0	0	-	-	-

Number of Pending Cases

Pending for (Months)→	Petitions Pending			Tariff Petitions			True-up Petitions			Dispute Related		
	<3	3-6	>6	<3	3-6	>6	<3	3-6	>6	<3	3-6	>6
Odisha	-	-	-	-	-	-	-	-	-	-	-	-
Punjab	16	5	22	2	1	1	2	1	0	3	1	1
Rajasthan	11	9	51	1	6	22	0	5	1	-	-	-
Sikkim	0	0	0	0	0	0	0	0	0	0	0	0
Tamil Nadu	22	28	85	0	0	-	0	1	0	-	-	-
Telangana	0	0	0	0	4	8	2	1	0	8	3	16
Tripura	-	-	-	-	-	-	-	-	-	-	-	-
Uttar Pradesh	-	-	-	0	7	0	0	7	0	-	-	-
Uttarakhand	6	1	6	0	0	0	0	0	0	0	0	0
West Bengal	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

1. '-' denotes data not provided by the states.
2. CERC and Regulatory commission of 17 States/UTs namely Andhra Pradesh, Assam, Bihar, Chhattisgarh, Himachal Pradesh, Manipur, Mizoram, Kerala, Maharashtra, Nagaland, Odisha, Rajasthan, Sikkim, Telangana, Tripura, Uttar Pradesh, and West Bengal have not provided data, due to unavailability of latest data for these regulatory commission the earlier available data have been taken

Remarks:

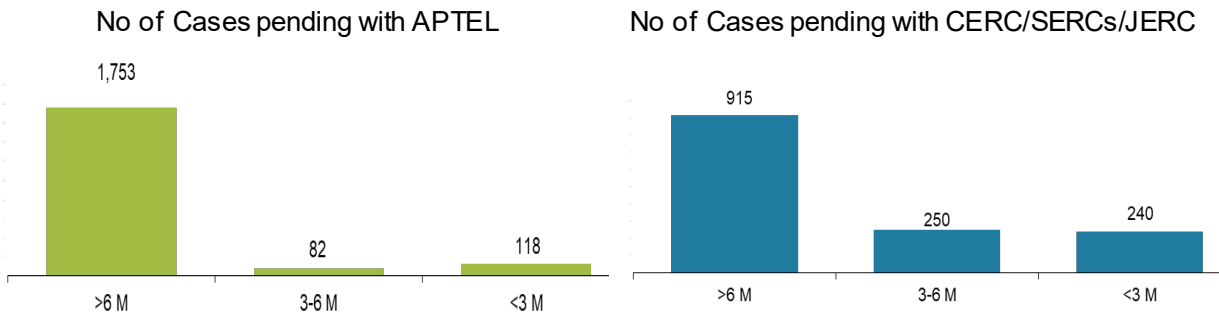
States/UTs	Case Type	Months	Remarks
Chhattisgarh	Petitions Pending	>6	APTEL has 26 cases pending for Chhattisgarh state
Maharashtra	Petitions Pending	<3	35 New Matters -21 Part Heard

Number of Pending Cases

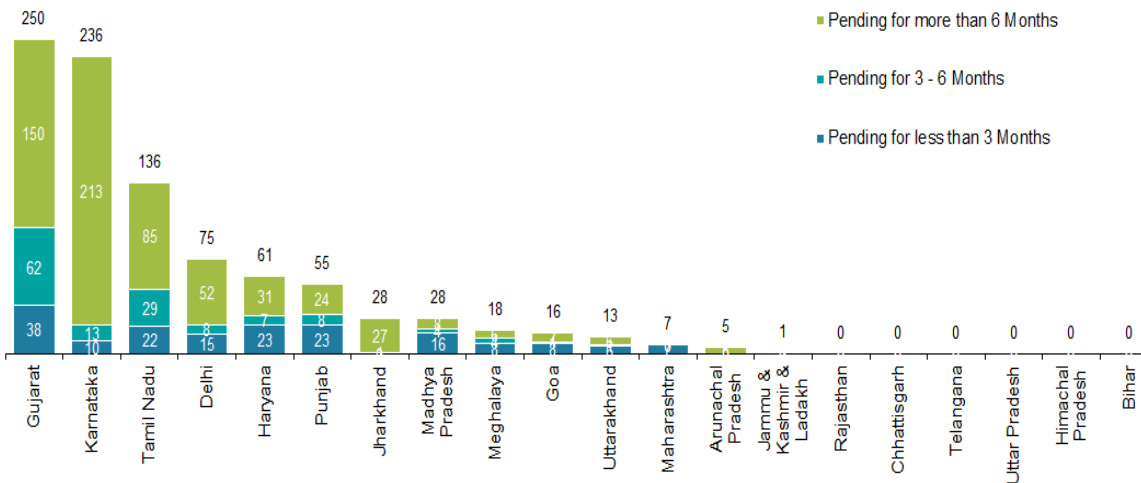
States/UTs	Case Type	Months	Remarks
Tamil Nadu		3-6	23 Part Heard - 13 Reserve for Orders
		>6	46 Part Heard - 25 Abeyance (Pending before Hon'ble Supreme Court, High Court & APTEL)
	Tariff Petitions Pending	>6	SLDC petition for determination of Scheduling charges and System operation charges (admitted on 29-12-2020)
	True-up petitions	3-6	TANGEDCO filed True up petition on 27-04-2021; the petition not yet listed for admission due to Statewide lock down on Covid 19 pandemic from 10-5-2021 and not filed Tariff petitions

Number of Pending Cases

Summary of findings:



a) Total 3,358 Petitions are pending across APTEL and ERCs as on Nov 2021



a) Total 1,323 Petitions (Tariff, Dispute related and Others) are pending across all SERCs/JERC as on Nov 2021

SECTION 13

ALIGNMENT OF ELECTRICITY (RIGHTS OF CONSUMERS) RULES 2020



Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermined demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
DISCOMS Alignment of DISCOM's Regulations/Standard of Performance (SOP)/Supply Code with above timelines										
Andhra Pradesh										
APEPDCL	For Existing Network 30 Days, For Network expansion required: LT 30 Days, 11 KV 60 Days, 33 KV 90 Days, Extra High Tension 180 Days.	7 Days	15 Days	7 Days	Available	15 Days	15-20 Days	Yes	Yes	1
APSPDCL	For Existing Network 30 Days, For Network	7 Days	15 Days	7 Days	Available	15 Days	15-20 Days	Yes	Yes	1

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermined demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
	expansion required: LT 30 Days, 11 KV 60 Days, 33 KV 90 Days, Extra High Tension 180 Days.									
APCPDCL	Existing Network- 30 days Network Expansion: 1) LT - Within 30 Days 2) 11 KV - Within 60 days 3) 33 KV - Within 90 days 4) EHT- Within 180 days	Urban- 7 Days, Rural-12 Days	15 Days	Without additional informatio n - 1 day With additional informatio n - 2 days	Available	15 Days	30 Days	Yes	Yes	1
ARECS	For Existing	7 Days	15 Days	7 Days	Available	15 Days	15-20	No	Yes	0

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessing feasibility of rooftop solar installation	Connection of rooftop solar after installation	Are there regulations for ensuring predetermined demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumers against non-adherence should be provisioned	Within 20 days from day of receiving request	Within 30 days from date of submission of Installation Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisions Status
	Network-30 Days, For Network expansion required: LT 30 Days, 11 KV 60 Days, 33 KV 90 Days, Extra High Tension- 180 Days.						Days			
CRECS	For Existing Network 30 Days, For Network expansion required: LT 30 Days, 11 KV 60 Days, 33 KV 90 Days, Extra High Tension 180 Days.	Not available	7 Days for meter Burnt, 15 Days for meter defective like meter running fast/slow, meter stuck-up	Not available	Not complied	Not available	Not available	-	No	0
KRECS	For Existing Network 30 Days,	7 Days	15 Days	7 Days	Available	15 Days	15-20 Days	No	Yes	0

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermin ed demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
	For Network expansion required: LT 30 Days, 11 KV 60 Days, 33 KV 90 Days, Extra High Tension 180 Days.									
Assam										
APDCL	Urban- 30 Days, Rural-36 Days	Urban- 7 Days, Rural-15 Days	Urban- 15 Days, Rural-30 Days	Not available	Available	Not available	Not available	Yes	Yes	8
Bihar										
NBPDCL	30 Days	Urban -7 Days, Rural-15 Days	Urban -14 Days, Rural-22 Days	Not available	Available	Not available	Not available	No	Yes	1
SBPDCL	30 Days	Urban-7	Urban -14 Days,	Not	Available	Not	Not	Yes	Yes	3

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermin ed demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
		days, rural-15 days	Rural-22 days	available		available	available			
Chhattisgar h										
CSPDCL	Urban- 7 Days, Rural-15 Days	Urban- 7 Days, Rural-12 Days	7 Days	Not available	Available	Not available	Not available	Yes	Yes	6
Delhi										
BRPL	Total time for release of connection where no RoW or road cutting permission is required- Within 7 days of acceptance of	15 Days	15 Days	Final bill after adjustmen t of security deposit will be issued	Available	30 Days	15 Days	Yes	Yes	1

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermin ed demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
	application			within 5 (five) days						
BYPL	Within 7 days of acceptance of application	15 Days	Restoration of supply within three hours either by bypassing the burnt meter or by installing temporary meter.	Immediate ly on receipt of final payment	Available	30 Days	15 Days	Yes	Yes	1
TPDDL	Data unavailable	15 Days	Data unavailable	Data unavailabl e	Not complied	30 Days	30 Days	Yes	Yes	1
Gujarat										
DGVCL	Residence & Commercial-7 Days, Industrial LT-10 Days, HT-15 Days EHV-30 days	Urban -7 Days, Rural-15 Days	Urban -7 Days, Rural-7 Days	7 Days	Available	5 Days	7 Days	Yes	Yes	20

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermin ed demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
MGVCL	Permanent electric connection for residence & commercial-7 Days Permanent electric connection for Industrial LT-10 Days For HT connection-15 Days For EHV connection-30 Days	Urban-7 Days, Rural-15 Days	To inform consumer about defect and replace the meter after inspection at site (Urban-15 Days, Rural-15 Days) Request for replacement of meter, if established to be defective (Urban-7 Days, Rural-7 Days)	7 Days	Available	Within 5 No. of days from the date of receipt of complete regulatio n	Within 7 No. of days from the date of receipt of letter from HO	Yes	Yes	119
UGVCL	Residence & Commercial-7 Days, Industrial LT-10 Days, HT-15 Days EHV-30 days	Urban -7 Days, Rural-15 Days	Urban -7 Days, Rural-7 Days	7 Days	Available	5 Days	7 Days	Yes	Yes	2
PGVCL	20 Days	Urban -7	15 Days	30 Days	Available	5 Days	7 Days	Yes	Yes	4

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermin ed demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
		Days, Rural-15 Days								
Haryana										
DHBVNL	Urban-7 Days, Municipal Areas-15 Days, Rural-30 Days	3 Days	Days for Burnt meters= 6 hrs. in normal circumstances; 5 days otherwise. Days for defective meter and stuck meter=10 days	Not available	Not complied	10 Days	15 Days	Yes	Yes	1
UHBVNL	Release of connection- i. within 23 days in case of LT supply; ii. within 57 days in case of 11 kV supply;	7 Days	7 Days	1 Day	Available	10 Days	15 Days	Yes	Yes	1

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessing feasibility of rooftop solar installation	Connection of rooftop solar after installation	Are there regulations for ensuring predetermined demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumers against non-adherence should be provisioned	Within 20 days from day of receiving request	Within 30 days from date of submission of Installation Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisions Status
	iii. within 77 days in case of HT at 33 kV supply; iv. within 142 days in case of supply above 33 kV									
Jharkhand										
JBVNL	30 Days	Urban- 7 days, rural- 12 days	Urban- 12 days, rural- 27 days	30 Days	Available	Not available	Not available	No	Yes	5
Karnataka										
BESCOM	BESCOM	Without expansion of electrical network- 30 days	7 Days	15 Days	7 Days	Available	3 Days	Yes	Yes	8

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermin ed demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
		Municipal areas-15, Rural-30 Days								
CHESCOM	30 Days	7 Days	Within 24 hours for Urban and within 72 hours for rural areas from the day of receipt of payment charges from consumer	On the same day after receipt of payment	Available	15 Days	Within 180 days from the date of approval	-	-	-
GESCOM	Without expansion of electrical network- 30 days Municipal area- 15 Days & Rural- 30 Days	7 Days	15 Days	7 Days	Available	Not available	Not available	Yes	-	0
HESCOM	30 Days	7 Days	10 Days	7 Days	Available	3 Days	Not	Yes	Yes	7

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermin ed demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
							available			
MESCOM	Without expansion of electrical network- 30 days Municipal areas-15, Rural-30 Days	7 Days	Burnt meters are replaced within 7 days if cause not attributable by consumer and in other cases within 24 hours on payment of charges.	7 Days	Available	Not available	Not available	Yes	Yes	4
HRECS	Urban -15 Days, Rural-30 Days	7 Days	Rural-72 Hrs., Urban-24 Hrs.	Same day after receipt of final payment	Available	20 Days	25 days from the receipt of completio n report by the applicant	Yes	Yes	4

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermin ed demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
Madhya Pradesh										
MPMaKVV CL	LT- 60 days, Agricultural – 90 days, HT – 90 days, EHT – 180 days	15 Days	Urban-15 Days, Rural-30 Days	Not available	Not complied	Not available	Not available	Yes	Yes	1
MPPaKVV CL	LT- 60 days, Agricultural – 90 days, HT – 90 days, EHT – 180 days	15 Days	Urban-15 Days, Rural-30 Days	Not available	Not complied	Not available	Not available	Yes	Yes	1
MPPoKVV CL	LT- 60 days, Agricultural – 90 days, HT – 90 days, EHT – 180 days	15 Days	Urban-15 Days, Rural-30 Days	Not available	Not complied	Not available	Not available	Yes	Yes	1
Maharashtr										

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermin ed demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
a										
MSEDCL	For existing network- Within one month after receipt of the completed application and payment of charges for requiring such supply	Urban -7 Days Rural-12 Days	Within subsequent billing cycle	Not available	Available	Not available	7 Days	Yes	Yes	116
TPCL	Existing Network- 30 Days, augmentation of distributing main-90 Days, Commissioning of Sub-substation-365 Days	4 Days	Subsequent Billing cycle	Data unavailabl e	Not complied	Not available	Not available	Yes	Yes	1

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessing feasibility of rooftop solar installation	Connection of rooftop solar after installation	Are there regulations for ensuring predetermined demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumers against non-adherence should be provisioned	Within 20 days from day of receiving request	Within 30 days from date of submission of Installation Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisions Status
BEST	Urban-15 Days, Rural- 30 days	Urban-4 Days, Rural- 12 days	Within subsequent billing cycle	7 Days	Not complied	Not available	Not available	Yes	Yes	1
Meghalaya										
MePDCL	Within (30) days (including extension) for both rural and urban	Not available	Not available	Not available	Not complied	Not available	Not available	No	Yes	1
Odisha										
TPCODL	Release of connection 1. New Connection is provided within 7 days where extension is not required 2. New connection	2 Days	30 Days	10 Days	Available	15 Days	15-20 Days	No	Yes	-

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermined demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
	3. is provided within 10 days where LT extension required New connection is provided within 20 days where extension/augm entation of 11KV network required 4. New connection is provided within 30 days where extension/augm entation of 33KV network required with									

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermin ed demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
	respect to in all areas.									
NESCO Utility	2 Days	7 Days	30 Days	7 Days	Available	Not available	Not available	Yes	Yes	2
TPSODL	10 Days	7 Days	30 Days	7 Days	Available	Not available	Not available	Yes	Yes	2
TPWODL	2 Days	7 Days	30 Days	7 Days	Available	Nil	Nil	No	Yes	3
Rajasthan										
AVVNL	Not available	Not available	Not available	Not available	Available	15 Days	30 Days	Yes	Yes	255
JdVVNL	Not available	Not available	Not available	Not available	Available	15 Days	30 Days	Yes	Yes	235
JVVNL	Not available	Not available	Not available	Not available	Available	15 Days	30 Days	Yes	Yes	264
Telangana										
TSNPDCL	7 days for	Urban-7	Urban-7 days, rural-	1 Day	Not	7 Days	10 Days	Yes	Yes	2

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermin ed demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
	processing & 30 days for release of connection	days, rural-15 days	15 days		complied					
TSSPDCL	Within 7 days for no extension & 15 days if extension work involved: within 30 days for both Rural and Urban	Urban-7 days, rural-15 days	7 Days	7 Days	Not complied	within seven 7 working days from the receipt of proper applicatio n	5 Days	Yes	Yes	2
CESS	For No Extension work - 7 Days, Extension work required- 15	7 Days	7 Days	7 Days	Not complied	Not available	Not available	Yes	Yes	1
Uttar Pradesh										

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermin ed demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
DVVNL	Within 7 days (without extension); 30 days with extension	15 Days	Within 15 days (defective after testing); 3 days (burnt)	30 Days	Available	Not available	Not available	Yes	Yes	5
KESCO	Within 7 days (without extension); 30 days with extension	15 Days	Within 15 days (defective after testing); 3 days (burnt)	30 Days	Available	Not available	Not available	Yes	Yes	1
MVVNL	Within 7 days (without extension); 30 days with extension	15 Days	Within 15 days (defective after testing); 3 days (burnt)	30 Days	Available	Not available	Not available	Yes	Yes	5
PaVVNL	Within 7 days (without extension); 30 days with extension	15 Days	Within 15 days (defective after testing); 3 days (burnt)	30 Days	Available	Not available	Not available	Yes	Yes	3
PuVVNL	Within 7 days (without extension);	15 Days	Within 15 days (defective after	30 Days	Available	Not available	Not available	Yes	Yes	1

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermin ed demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
	30 days with extension		testing); 3 days (burnt)							
Uttarakhand										
UPCL	15 Days	30 Days	72 hours	7 Days	Available	17 Days	15-20 Days	Yes	Yes	9
GEDCO/Integrated Utilities										
Himachal Pradesh										
HPSEBL	Within 7 days where no extension is required and within 15 days where ROW is required	7 Days	Urban- 56 working hrs. after receiving the payment from the consumer & Rural - 120 working hrs from the date of receiving information/registrat ion of the complaint	Five days from the date of request by Consumer	Available	15 Days	90-180 days from issuance of letter of approval	Yes	Yes	292

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificates to applicants	Provision for payment of claims on deviation from SoPs	Assessing feasibility of rooftop solar installation	Connection of rooftop solar after installation	Are there regulations for ensuring predetermined demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumers against non-adherence should be provided	Within 20 days from day of receiving request	Within 30 days from date of submission of Installation Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisions Status
Kerala										
KSEBL	30 Days	30 Days	24 hours, 7 days, 30 days depending on the situation	Nil	Available	Nil	Nil	No	Yes	3
Manipur										
MSPDCL	Not available	Not available	Not available	Not available	Not complied	Not available	Not available	No	Yes	
Punjab										
PSPCL	For existing network only- Within 7 days for DS/ NRS; within 15 days for other than DS/NRS For network expansion- within 30 days for LT; 45 days for HT	7 Days	5 Days	Not available	Available	30 Days	10 Days	Yes	Yes	2

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermin ed demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
	11kV; 75 days for HT 33Kv; 90 days for EHT									
Tamil Nadu										
TANGEDC O	For Existing Network 30 Days, For Network expansion required: LT 60 Days, 11 KV 60 Days, 33 KV 90 Days, Extra High Tension 180 Days.	Not available	30 Days	Not available	Available	3 Days	21 Days	Yes	Yes	44
Tripura										
TSECL	Existing Network-7 Days, Line extension-21 Days	30 Days	30 Days	5 Days	Available	15 Days	7 Days	Yes	Yes	0
West Bengal	30 Days	Urban-3	Urban-10 days,	7 Days	Available	15 Days	7 Days			

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermin ed demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
		days, rural-7 days	rural-15 days							
WBSEDCL	30 Days	Urban-3 days, rural-7 days	Urban-10 days, rural-15 days	7 Days	Available	15 Days	7 Days	Yes	Yes	1
Power Departments										
Arunachal Pradesh										
Arunachal PD	Not available	Not available	Not available	Not available	Not complied	Not available	Not available	-	-	5
Goa										
Goa PD	Urban-16 days, rural-24 days	30 Days	15 Days	5 Days	Available	5 Days	5 Days	Yes	Yes	1
J&K and Ladakh										

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermin ed demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
JKPDD	Urban-7 days, Rural-10 days	Urban-7 days, Rural-10 days	Urban-5 days, Rural-15 days	Data unavailabl e	Not complied	Not available	Not available	No	No	0
JPDCL	Rural 7 days, Urban 03 days, Class I cities 02 days	Rural 7 working days, Urban 02 working days	Rural 7 working days, Urban 02 working days	Data unavailabl e	Not complied	Not available	Not available	No	Yes	3
KPDCL	Rural 10 days, Urban 7 days, Class I cities 7 days	Rural 12 days, Urban 7 days, Class I cities- 4 days	Rural 15 days, Urban 5 days, Class I cities- 3 days	Data unavailabl e	Not complied	Not available	Not available	Yes	Yes	4
Mizoram										

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificates to applicants	Provision for payment of claims on deviation from SoPs	Assessing feasibility of rooftop solar installation	Connection of rooftop solar after installation	Are there regulations for ensuring predetermined demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumers against non-adherence should be provisioned	Within 20 days from day of receiving request	Within 30 days from date of submission of Installation Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisions Status
Mizoram PD	Not available	Not available	Not available	Not available	Not complied	Not available	Not available	No	-	0
Nagaland										
Nagaland PD	Not available	Not available	Not available	Not available	Not complied	Not available	Not available	No	No	0
Puducherry										
Puducherry PD	Urban- 16 Days, rural- 24 Days	30 Days	15 Days	Not available	1. Fuse off calls: 4 hours in Urban areas and 8 hours in Rural areas. 2. service line faults: 6 hrs in Urban	15 Days	25 Days	Yes	Yes	1

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermined demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRF s across divisions/subdivisi ons Status
					and 12 hrs in Rural areas. 3. HT feeder faults: within 12 hrs normal supply to be restored.					
Sikkim										
Sikkim PD	-	-	-	-	-	-	-	-	-	-
Union Territories										
Andaman & Nicobar										

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessing feasibility of rooftop solar installation	Connection of rooftop solar after installation	Are there regulations for ensuring predetermined demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumers against non-adherence should be provisioned	Within 20 days from day of receiving request	Within 30 days from date of submission of Installation Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisions Status
ED Andaman & Nicobar	Data unavailable	Data unavailable	Data unavailable	Data unavailable	Not complied	Not available	Not available	-	-	3
Chandigarh										
Chandigarh ED	Within 30 days (including extension)	30 Days	15 Days	Not available	Not complied	Not available	Not available	No	Yes	
Dadra & Nagar Haveli										
DNHPDCL	Rural- 7 Days, urban-10 days	Within 30 days inspection and testing and replacement if	15 Days	5 Days	Available	15 Days	7 Days	Yes	Yes	1

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificate s to applicants	Provision for payment of claims on deviation from SoPs	Assessin g feasibility of rooftop solar installatio n	Connectio n of rooftop solar after installatio n	Are there regulations for ensuring predetermined demand charges for up to 150kW	Establishment/Presence of multi-tier Grievance Redressal Mechanism	
Electricity (Rights of consumers) rules 2020 published in Gazette on 31st Dec 2020 (Industry Best practices)	Within 7 days in metro cities, 15 days in municipal areas & 30 days in rural areas	Within 30 days of receipt of the complaint from the consumer	Within 24 hrs. in urban areas & 72 hrs. in rural areas	Within 7 days from the Receipt of final Payment	Payment of claims made by consumer s against non-adherence should be provisione d	Within 20 days from day of receiving request	Within 30 days from date of submissi on of Installatio n Certificate	Yes/No	Yes/No	FRGR-E-2 Number of CGRFs across divisions/subdivisi ons Status
		required in next 15 days.								
Daman & Diu										
Daman & Diu ED	-	-	-	-	-	-	-	-	-	
Lakshadwe p										
Lakshadwe p ED	-	-	-	-	-	-	-	-	-	

Notes:

1. Data in this section has been provided by state DISCOMs for the purpose of DISCOM consumer service index.



SECTION 14

POWER PROCUREMENT COST OF DISCOMs



Power Procurement Cost of DISCOMs

Approved Power Procurement Cost of DISCOMs for FY 2022				
	Volume of Power approved for FY 2022 (MU)	Cost of power procurement excluding Transmission charges (Rs Crores)	Average Power Procurement Cost per unit for FY 2022 (Rs/kwh)	Actual Average Power Procurement Cost per unit for FY 2020 (Rs/kwh)
DISCOMS				
Andhra Pradesh	67,756	26,265	3.88	5.11
APEPDCL	24,740	9,912	4.01	4.84
APSPDCL	26,887	9,885	3.68	5.25
APCPDCL	16,129	6,468	4.01	-
Assam	10,494	4,265	4.06	6.27
APDCL	10,494	4,265	4.06	6.27
Bihar	30,700	12,345	4.02	7.08
NBPDCL	14,175	5706	4.03	6.72
SBPDCL	16,525	6,639	4.02	7.40
Chhattisgarh	30,131	11,326	3.76	5.11
CSPDCL	30,131	11,326	3.76	5.11
Delhi	31,764	14,669	4.62	6.15
BRPL	13,437	6,172	4.59	6.36
BYPL	8,344	3,588	4.30	5.24
TPDDL	9,983	4,909	4.92	6.57
Gujarat	102,775	38,698	3.77	5.68
GUVNL	102,775	38,698	3.77	5.68
Haryana	59,720	22,940	3.84	5.89
DHBVNL	59,720	22,940	3.84	5.74
UHBVNL				6.10
Jharkhand⁷	11,749	4,543	3.87	6.60
JBVNL	11,749	4,543	3.87	6.60
Karnataka	70,853	31,153	4.40	6.05
BESCOM	33,081	15,045	4.55	6.95
CHESCOM	7,866	3,203	4.07	4.68
GESCOM	8,877	3,678	4.14	5.83
HESCOM	14,533	6,706	4.61	5.07
MESCOM	6,495	2,520	3.88	5.34
Madhya Pradesh	79,508	27,781	3.49	5.78
MPMaKVVCL	25,514	7,013	2.75	6.21
MPPaKVVCL	29,771	13,407	4.50	5.26
MPPoKVVCL	24,222	7,361	3.04	6.03
Maharashtra	141,940	60,569	4.27	6.33
MSEDCL	141,940	60,569	4.27	6.33
Meghalaya	3,057	896	2.93	6.08

Power Procurement Cost of DISCOMs

Approved Power Procurement Cost of DISCOMs for FY 2022				
	Volume of Power approved for FY 2022 (MU)	Cost of power procurement excluding Transmission charges (Rs Crores)	Average Power Procurement Cost per unit for FY 2022 (Rs/kwh)	Actual Average Power Procurement Cost per unit for FY 2020 (Rs/kwh)
MePDCL	3,057	896	2.93	6.08
Odisha	21,950	8,258	3.76	4.08
TPCODL	7,160	2,629	3.67	-
NESCO Utility	4,801	1,882	3.92	4.55
TPSODL	3,075	849	2.76	-
TPWODL	6,914	2,898	4.19	-
Rajasthan³	78,766	32,499	4.13	6.11
AVVNL	21,628	8,846	4.09	5.95
JdVVNL	26,131	10,730	4.11	6.22
JVVNL	31,006	12,923	4.17	6.13
Telangana⁶	57,631	23,473	4.07	5.87
TSNPDCL	18,084	7,509	4.15	5.76
TSSPDCL	39,547	15,965	4.04	5.92
Uttar Pradesh	107,315	57,967	5.40	6.37
DVVNL	22,418	11,104	4.95	5.79
KESCO	3,720	2,228	5.99	7.03
MVVNL	21,240	11,530	5.43	6.73
PaVVNL	33,382	18,704	5.60	6.39
PuVVNL	26,555	14,401	5.42	6.46
Uttarakhand	15,578	5,269	3.38	5.15
UPCL	15,578	5,269	3.38	5.15
GEDCO/Integrated Utilities				
Himachal Pradesh	13,032	3,372	2.59	3.31
HPSEBL	13,032	3,372	2.59	3.31
Kerala	29,107	8,964	3.08	3.78
KSEBL	29,107	8,964	3.08	3.78
Manipur	1,011	463	4.58	6.86
MSPDCL	1,011	463	4.58	6.86
Punjab	50,930	21,230	4.17	5.08
PSPCL	50,930	21,230	4.17	5.08
Tamil Nadu⁸	1,05,971	40,020	3.78	5.44
TANGEDCO	1,05,971	40,020	3.78	5.44
Tripura	2,634	959	3.64	4.90
TSECL	2,634	959	3.64	4.90
West Bengal⁵	40,036	15,856	3.96	5.73
WBSEDCL	40,036	15,856	3.96	5.73
Power Departments				

Power Procurement Cost of DISCOMs

Approved Power Procurement Cost of DISCOMs for FY 2022				
	Volume of Power approved for FY 2022 (MU)	Cost of power procurement excluding Transmission charges (Rs Crores)	Average Power Procurement Cost per unit for FY 2022 (Rs/kwh)	Actual Average Power Procurement Cost per unit for FY 2020 (Rs/kwh)
Arunachal Pradesh⁴	715	186	2.60	7.81
Arunachal PD	715	186	2.60	7.81
Goa	4,749	1,405	2.96	4.24
Goa PD	4,749	1,405	2.96	4.24
J&K and Ladakh²	14,870	3,474	2.34	7.83
JPDC	14,870	3,474	2.34	7.83
Mizoram	775	338	4.36	5.88
Mizoram PD	775	338	4.36	5.88
Nagaland	867	356	4.10	9.97
Nagaland PD	867	356	4.10	9.97
Puducherry	3,150	1,300	4.13	5.59
Puducherry PD	3,150	1,300	4.13	5.59
Sikkim	678	249	3.68	3.16
Sikkim PD	678	249	3.68	3.16
Union Territories				
Andaman & Nicobar	356	620	17.40	21.78
ED Andaman & Nicobar	356	620	17.40	21.78
Chandigarh	--	--	--	3.82
Chandigarh ED	--	--	--	3.82
Dadra & Nagar Haveli	7,037	2,712	3.85	5.34
DNHPDC	7,037	2,712	3.85	5.34
Daman & Diu	2,867	1,098	3.83	4.59
Daman & Diu ED	2,867	1,098	3.83	4.59
Lakshadweep	53	110	20.67	17.81
Lakshadweep ED	678	249	3.68	17.81

Notes:

1. Data for FY 2021-22 is as per approved values in ARR. Data for FY 2019-20 is as per actual values in Report on Performance of State Power Utilities (2019-20) published by PFC Ltd.
2. For J&K and Ladakh, the approved figure for the FY 2020-21 from the MYT order for 2nd Control Period FY 2016-17 to FY 2020-21 issued on 7.10.2016 has been used for FY 2021-22 as the concerned SERC has not issued new Order for the FY 2021-22
3. For Rajasthan, in the absence of approved figure for FY 2021-22, the figure for FY 2019-20 approved by the Commission under its True up Order issued vide dated 07.09.2021, has been used.

Power Procurement Cost of DISCOMs

4. For Arunachal Pradesh, Approved figure from Tariff Order for FY 2018-19 has been considered as the SERC has allowed to continue the Tariff for FY 2018-19, issued through order dated 6th Sep 2019, till further orders.
5. For West Bengal (WBSEDCL), the figures for the FY 2021-22 as approved in the Tariff Orders of FY 2019-20 have been considered.
6. For Telangana, as TSERC vide order dated 20.03.2020 extended the applicability of Tariff issued for FY 2018-19 to FY 2020-21, also the approved figure for FY 2018-19 has been used for 2021-22.
7. For Jharkhand, as ARR for FY 2021-22 is not approved, the approved figures for FY 2020-21 have been considered.
8. In the absence of approved figure for FY 2021-22, data for FY 2018-19 as approved by the Commission under its Distribution tariff Order issued dated 11.08.2017 is used.

SECTION 15

AVAILABILITY OF TECHNICAL MINIMUM REGULATION



Availability of Technical Minimum Regulations

	Availability of Technical Minimum regulation	Relevant regulation / document
States		
Andhra Pradesh	Yes	Tariff Order for Retail Sale during FY20-21 dated 10th Feb 2020
Assam	Not Applicable	--
Bihar	Not Applicable	Tariff order for FY20-21 for NBPDCCL & SBPDCL dated 20th March 2020
Chhattisgarh	Yes	As per telephonic conversation with the utility technical minimum regulation for CEA is followed in the state. On an average technical minimum threshold is 55%
Delhi	Not Applicable	--
Gujarat	Yes	Tariff order by Gujarat Electricity Regulatory commission for FY2020-21 dated 26th Mar 2020
Haryana	Yes	Tariff order by Haryana Electricity Regulatory commission for FY2021-22 dated 18th Feb 2021
Jharkhand	Yes	Tariff order for FY20-21 for Jharkhand Bijli Vitran Nigam Limited (JBVNL) dated 01 Oct 2020
Karnataka	Yes	Twenty first annual report (19-20) of Karnataka Electricity Regulatory Commission
Madhya Pradesh	Yes	MP grid code 2019 issued vide order dated 12.06.2019
Maharashtra	Yes	MERC vide order dated 1st March 2020 in the matter related to a reduction in the Technical Minimum of Generating Units in Maharashtra as per Central Electricity Regulatory Commission norms have provided the norms related to a technical minimum for coal-based stations.
Meghalaya	Not Applicable	--
Odisha	Yes	As per telephonic conversation with the utility technical minimum threshold is 55% in the state
Rajasthan	Yes	As per telephonic conversation with the utility technical minimum threshold is 55% in the state
Telangana	Yes	As per telephonic conversation with the utility technical minimum threshold for various plants in the state is in the range of 59%- 68%
Uttar Pradesh	Yes	Petition No. 1217/2017 with UPERC for specifying technical minimum schedule of all generating stations
Uttarakhand	Not Applicable	--
Himachal Pradesh	Not Applicable	--
Kerala	Not Applicable	--
Manipur & Mizoram	Not Applicable	
Punjab	Yes	Review Petition under Section 94 of the Electricity Act, 2003 against tariff order dated 27.05.2019 for FY 2019- 20 (in petition no. 02 of 2019).
Tamil Nadu	Yes	As per telephonic conversation with the utility technical minimum threshold is 70% for 600MW and 80% for 210MW in the state. Further the state commission has not issued regulations for technical minimum operations
Tripura	Not Applicable	--
West Bengal	Yes	As per telephonic conversation with the utility

Availability of Technical Minimum Regulations

	Availability of Technical Minimum regulation	Relevant regulation / document
		technical minimum threshold for various plants in the state is in the range of 66% - 78%
Arunachal Pradesh	Not Applicable	--
Goa	Not Applicable	--
J&K and Ladakh	Not Applicable	--
Nagaland	Not Applicable	--
Puducherry	Not Applicable	--
Sikkim	Not Applicable	--
Chandigarh	Not Applicable	--
Dadra & Nagar Haveli	Not Applicable	--
Daman & Diu	Not Applicable	--

Notes:

1. Data in this section has been provided by respective regulatory website.
2. 'Not applicable' against a particular state in the above table implies there are no state-owned coal based thermal plant in the state.
3. 'Not Found' against a particular state in the above table implies that no state specific Regulation or Notified order exists w.r.t. maintenance of technical minimum output by a state-owned Generation plant in the given state.



SECTION 16

MERIT ORDER ADHERENCE



Merit Order Adherence

	Merit Order Followed
States	
Andhra Pradesh	Yes
Assam	Yes
Bihar	Yes
Chhattisgarh	Yes
Delhi	Yes
Gujarat	Yes
Haryana	Yes
Jharkhand	Yes
Karnataka	Yes
Madhya Pradesh	Yes
Maharashtra	Yes
Meghalaya	Yes
Odisha	-
Rajasthan	Yes
Telangana	Yes
Uttar Pradesh	Yes
Himachal Pradesh	Yes
Kerala	Yes
Manipur	Yes
Punjab	Yes
Tamil Nadu	Yes
Tripura	Yes
West Bengal	Yes
Arunachal Pradesh	Yes
Goa	Yes
J&K and Ladakh	Yes
Mizoram	Yes
Nagaland	Yes
Puducherry	Yes
Sikkim	Yes
Chandigarh	Yes
Dadra & Nagar Haveli	Yes

Notes:

1. Data in the above table is available from MERIT India Portal (Ministry of Power)

