

KEY REGULATORY PARAMETERS OF POWER UTILITIES



As on 30th June 2022

ACKNOWLEDGEMENT

The primary objective of the report is to enable knowledge sharing and facilitate at-a-glance comparison between power utilities including DISCOMs, TRANSCOs and GENCOs based on latest information. It provides information on key regulatory parameters of the last four financial years including latest data available for 2022-23 across all major power utilities in India.

This report has been prepared by the Regulatory Compliance Monitoring unit of REC headed by Mr. R. Lakshmanan, Executive Director of REC Limited. Information from multiple sources including Retail Supply Tariff Orders, True-up Orders and Regulations issued by the Electricity Regulatory Commissions of States and UTs have been leveraged for the data compilation and validation.

We are grateful to Mr. Ghanshyam Prasad, Joint Secretary, Ministry of Power, Government of India and Mr. Vivek Kumar Dewangan, IAS, 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
CESCOM	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 Viji 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 Vidhyut 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
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
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
RRVPNL	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
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
TPNODL	Tata Power Northern Odisha Distribution 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
WBSSEDCL	West Bengal State Electricity Distribution Company Limited
WBSETCL	West Bengal State Electricity Transmission Company 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 Programme in the year 2020. The report “Key Regulatory Parameters of Power Utilities” covers 16 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.

The information presented in this report has been prepared from various sources, which includes tariff orders, true up orders and DISCOM Annual Accounts, among others.

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

CHAPTER 2. LIST OF PARAMETERS

The report includes information on key regulatory parameters for the period 2018-19 till 2022-23 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
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.
Tariff Cross subsidy for commercial	F	Commercial	%	F1	Average Billing Rate (ABR) for the Commercial category consumers/Average cost of supply

and industrial consumers		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 Term (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	N	Alignment of	No. of	N1	Release of Connections

Electricity (Rights of Consumers) Rules 2020		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	Days/Yes / No / Not Available	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 2022-23	O	Volume of Power Procured during 2022-23	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 2022-23	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 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)

(Status as on 30th June 2022)

	Date of Issuance of Tariff Order				
	2018-19	2019-20	2020-21	2021-22	2022-23
Andaman & Nicobar	26-Feb-18	20-May-19	18-May-20	31-May-21	Not Issued
ED Andaman & Nicobar	26-Feb-18	20-May-19	18-May-20	31-May-21	Not Issued
Andhra Pradesh	27-Mar-18	22-Feb-19	10-Feb-20	25-Mar-21	30-Mar-22
APEPDCL	27-Mar-18	22-Feb-19	10-Feb-20	25-Mar-21	30-Mar-22
APSPDCL	27-Mar-18	22-Feb-19	10-Feb-20	25-Mar-21	30-Mar-22
APCPDCL	NA	NA	NA	25-Mar-21	30-Mar-22
Arunachal Pradesh*	31-May-18	Not Issued	Not Issued	Not Issued	Not Issued
Arunachal PD	31-May-18	Not Issued	Not Issued	Not Issued	Not Issued
Assam	19-Mar-18	01-Mar-19	07-Mar-20	15-Feb-21	21-Mar-22
APDCL	19-Mar-18	01-Mar-19	07-Mar-20	15-Feb-21	21-Feb-22
Bihar	21-Mar-18	25-Feb-19	20-Mar-20	26-Mar-21	25-Mar-22
NBPDCL	21-Mar-18	25-Feb-19	20-Mar-20	26-Mar-21	25-Mar-22
SBPDCL	21-Mar-18	25-Feb-19	20-Mar-20	26-Mar-21	25-Mar-22
Chandigarh	28-Mar-18	20-May-19	19-May-20	30-Mar-21	Not Issued
Chandigarh ED	28-Mar-18	20-May-19	19-May-20	30-Mar-21	Not Issued
Chhattisgarh	26-Mar-18	28-Feb-19	30-May-20	02-Aug-21	13-Apr-22
CSPDCL	26-Mar-18	28-Feb-19	30-May-20	02-Aug-21	13-Apr-22
Dadra & Nagar Haveli	30-Jan-18	20-May-19	18-May-20	23-Mar-21	31-Mar-22
DNHPDCL	30-Jan-18	20-May-19	18-May-20	23-Mar-21	31-Mar-22
Daman & Diu	13-Mar-18	20-May-19	18-May-20	23-Mar-21	31-Mar-22
Daman & Diu ED	13-Mar-18	20-May-19	18-May-20	23-Mar-21	31-Mar-22
Delhi	28-Mar-18	31-Jul-19	28-Aug-20	30-Sep-21	Not Issued
BRPL	28-Mar-18	31-Jul-19	28-Aug-20	30-Sep-21	Not Issued
BYPL	28-Mar-18	31-Jul-19	28-Aug-20	30-Sep-21	Not Issued
TPDDL	28-Mar-18	31-Jul-19	28-Aug-20	30-Sep-21	Not Issued
Goa	28-Mar-18	20-May-19	19-May-20	30-Mar-21	31-Mar-22
Goa PD	28-Mar-18	20-May-19	19-May-20	30-Mar-21	31-Mar-22
Gujarat	31-Mar-18	24-Apr-19	31-Mar-20	31-Mar-21	31-Mar-22
DGVCL	31-Mar-18	24-Apr-19	31-Mar-20	31-Mar-21	31-Mar-22
MGVCL	31-Mar-18	24-Apr-19	31-Mar-20	31-Mar-21	31-Mar-22
PGVCL	31-Mar-18	24-Apr-19	31-Mar-20	31-Mar-21	31-Mar-22
UGVCL	31-Mar-18	24-Apr-19	31-Mar-20	31-Mar-21	31-Mar-22
Haryana	15-Nov-18	07-Mar-19	01-Jun-20	30-Mar-21	30-Mar-22
DHBVNL	15-Nov-18	07-Mar-19	01-Jun-20	30-Mar-21	30-Mar-22
UHBVNL	15-Nov-18	07-Mar-19	01-Jun-20	30-Mar-21	30-Mar-22
Himachal Pradesh	04-May-18	29-Jun-19	06-Jun-20	31-May-21	29-Mar-22
HPSEBL	04-May-18	29-Jun-19	06-Jun-20	31-May-21	29-Mar-22

Date of Issuance of Tariff Order (Distribution Utilities)

	Date of Issuance of Tariff Order				
	2018-19	2019-20	2020-21	2021-22	2022-23
J&K and Ladakh*	07-Oct-16	07-Oct-16	07-Oct-16	Not Issued	Not Issued
JKPDD	07-Oct-16	07-Oct-16	07-Oct-16	Not Issued	Not Issued
Jharkhand	27-Apr-18	28-Feb-19	01-Oct-20	Not Issued	Not Issued
JBVNL	27-Apr-18	28-Feb-19	01-Oct-20	Not Issued	Not Issued
Karnataka	14-May-18	30-May-19	04-Nov-20	09-Jun-21	04-Apr-22
BESCOM	14-May-18	30-May-19	04-Nov-20	09-Jun-21	04-Apr-22
CESCOM	14-May-18	30-May-19	04-Nov-20	09-Jun-21	04-Apr-22
GESCOM	14-May-18	30-May-19	04-Nov-20	09-Jun-21	04-Apr-22
HESCOM	14-May-18	30-May-19	04-Nov-20	09-Jun-21	04-Apr-22
MESCOM	14-May-18	30-May-19	04-Nov-20	09-Jun-21	04-Apr-22
Kerala*	27-Mar-18	08-Jul-19	08-Jul-19	08-Jul-19	Not Issued
KSEBL	27-Mar-18	08-Jul-19	08-Jul-19	08-Jul-19	Not Issued
Lakshadweep	19-Mar-18	20-May-19	18-May-20	31-Mar-21	31-Mar-22
Lakshadweep ED	19-Mar-18	20-May-19	18-May-20	31-Mar-21	31-Mar-22
Madhya Pradesh	03-May-18	08-Aug-19	17-Dec-20	30-Jun-21	31-Mar-22
MPMaKVCL	03-May-18	08-Aug-19	17-Dec-20	30-Jun-21	31-Mar-22
MPPaKVCL	03-May-18	08-Aug-19	17-Dec-20	30-Jun-21	31-Mar-22
MPPoKVCL	03-May-18	08-Aug-19	17-Dec-20	30-Jun-21	31-Mar-22
Maharashtra*	12-Sep-18	12-Sep-18	30-Mar-20	30-Mar-20	30-Mar-20
MSDCL	12-Sep-18	12-Sep-18	30-Mar-20	30-Mar-20	30-Mar-20
Manipur	12-Mar-18	26-Mar-19	20-Mar-20	26-Apr-21	23-Mar-22
MSPDCL	12-Mar-18	26-Mar-19	20-Mar-20	26-Apr-21	23-Mar-22
Meghalaya*	31-Mar-18	31-Mar-18	25-Mar-20	25-Mar-21	25-Mar-22
MePDCL	31-Mar-18	31-Mar-18	25-Mar-20	25-Mar-21	25-Mar-22
Mizoram	12-Mar-18	22-Mar-19	20-Mar-20	26-Mar-21	23-Mar-22
Mizoram PD	12-Mar-18	22-Mar-19	20-Mar-20	26-Mar-21	23-Mar-22
Nagaland*	29-Mar-18	23-Apr-19	20-Mar-20	20-Mar-20	20-Mar-20
Nagaland PD	29-Mar-18	23-Apr-19	20-Mar-20	20-Mar-20	20-Mar-20
Odisha	22-Mar-18	29-Mar-19	22-Apr-20	26-Mar-21	24-Mar-22
TPCODL	22-Mar-18	29-Mar-19	22-Apr-20	26-Mar-21	24-Mar-22
TPNODL	22-Mar-18	29-Mar-19	22-Apr-20	26-Mar-21	24-Mar-22
TPSODL	22-Mar-18	29-Mar-19	22-Apr-20	26-Mar-21	24-Mar-22
TPWODL	22-Mar-18	29-Mar-19	22-Apr-20	26-Mar-21	24-Mar-22
Puducherry	28-Mar-18	20-May-19	22-Apr-20	07-Apr-21	31-Mar-22
Puducherry PD	28-Mar-18	20-May-19	22-Apr-20	07-Apr-21	31-Mar-22
Punjab	19-Apr-18	27-May-19	01-Jun-20	28-May-21	31-Mar-22
PSPCL	19-Apr-18	27-May-19	01-Jun-20	28-May-21	31-Mar-22
Rajasthan	28-May-18	06-Feb-20	24-Nov-21	24-Nov-21	Not Issued
AVVNL	28-May-18	06-Feb-20	24-Nov-21	24-Nov-21	Not Issued

Date of Issuance of Tariff Order (Distribution Utilities)

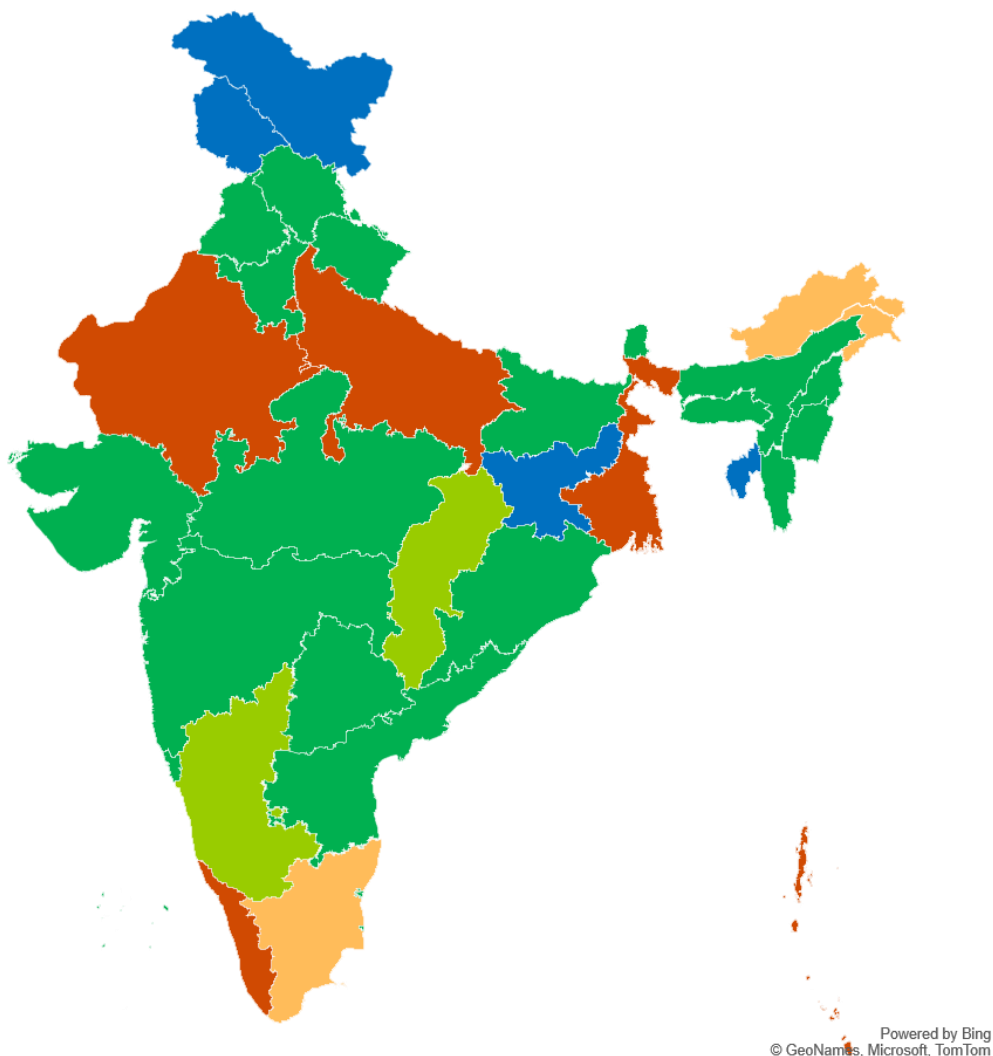
	Date of Issuance of Tariff Order				
	2018-19	2019-20	2020-21	2021-22	2022-23
JdVVNL	28-May-18	06-Feb-20	24-Nov-21	24-Nov-21	Not Issued
JVVNL	28-May-18	06-Feb-20	24-Nov-21	24-Nov-21	Not Issued
Sikkim	28-Mar-18	29-May-19	16-Mar-20	26-Feb-21	14-Mar-22
Sikkim PD	28-Mar-18	29-May-19	16-Mar-20	26-Feb-21	14-Mar-22
Tamil Nadu*	11-Aug-17	Not Issued	Not Issued	Not Issued	Not Issued
TANGEDCO	11-Aug-17	Not Issued	Not Issued	Not Issued	Not Issued
Telangana*	27-Mar-18	29-Apr-20	29-Apr-20	29-Apr-20	23-Mar-22
TSNPDCL	27-Mar-18	29-Apr-20	29-Apr-20	29-Apr-20	23-Mar-22
TSSPDCL	27-Mar-18	29-Apr-20	29-Apr-20	29-Apr-20	23-Mar-22
Tripura*	01-Sep-20	01-Sep-20	01-Sep-20	Not Issued	Not Issued
TSECL	01-Sep-20	01-Sep-20	01-Sep-20	Not Issued	Not Issued
Uttar Pradesh	22-Jan-19	03-Sep-19	11-Nov-20	29-Jul-21	Not Issued
DVVNL	22-Jan-19	03-Sep-19	11-Nov-20	29-Jul-21	Not Issued
KESCO	22-Jan-19	03-Sep-19	11-Nov-20	29-Jul-21	Not Issued
MVVNL	22-Jan-19	03-Sep-19	11-Nov-20	29-Jul-21	Not Issued
PaVVNL	22-Jan-19	03-Sep-19	11-Nov-20	29-Jul-21	Not Issued
PuVVNL	22-Jan-19	03-Sep-19	11-Nov-20	29-Jul-21	Not Issued
Uttarakhand	21-Mar-18	27-Feb-19	18-Apr-20	26-Apr-21	31-Mar-22
UPCL	21-Mar-18	27-Feb-19	18-Apr-20	26-Apr-21	31-Mar-22
West Bengal	25-Aug-21	25-Aug-21	28-Mar-22	28-Mar-22	Not Issued
WBSEDCL	25-Aug-21	25-Aug-21	28-Mar-22	28-Mar-22	Not Issued

[*] Represents states issued latest order as 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
- Telangana issued ARR and Wheeling tariff for period 2019-20 to 2023-24. However, TSERC has issued ARR for 2022-23 separately
- Nagaland MYT order for 2020-21 to 2024-25 was issued in March 2020
- Kerala State Electricity Regulatory Commission, vide order dated 25th June 2022, has issued 'Schedule of Tariff and Terms & Conditions for Retail Supply of Electricity by KSEBL and all other Licensees' effective from 26.06.2022 to 31.03.2023

Date of Issuance of Tariff Order (Distribution Utilities)

Summary of findings:



Tariff Orders for 2023 issued before Mar-22	22 Andhra Pradesh, Assam, Bihar, Dadra and Nagar Haveli, Daman & Diu, Gujarat, Goa, Haryana, Himachal Pradesh, Lakshadweep, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Odisha, Puducherry, Punjab, Sikkim, Telangana and Uttarakhand,
Tariff Orders for 2023 issued during Apr to Jun-22	02 Chhattisgarh and Karnataka (issued in Apr-22)
Tariff Orders issued till 2022	07 Andaman & Nicobar, Chandigarh, Delhi, Kerala, Rajasthan, Uttar Pradesh and West Bengal
Tariff Orders issued till 2021	03 Jharkhand, Jammu & Kashmir and Ladakh and Tripura
Tariff Orders issued till 2020	02 Arunachal Pradesh and Tamil Nadu

Date of Issuance of True-up Order (Distribution Utilities)

(Status as on 30th June 2022)

DISCOMS	Latest Tariff order date (As on 30 th June 2022)	Latest True-up (FY)
Andaman & Nicobar	10-May-22	2020-21
ED Andaman & Nicobar	10-May-22	2020-21
Andhra Pradesh	30-Mar-22	2020-21
APEPDCL	30-Mar-22	2020-21
APSPDCL	30-Mar-22	2020-21
APCPDCL	30-Mar-22	2020-21
Arunachal Pradesh	31-May-18	2016-17
Arunachal PD	31-May-18	2016-17
Assam	21-Mar-22	2020-21
APDCL	21-Mar-22	2020-21
Bihar	25-Mar-22	2020-21
NBPDCL	25-Mar-22	2020-21
SBPDCL	25-Mar-22	2020-21
Chandigarh	30-Mar-21	2019-20
Chandigarh ED	30-Mar-21	2019-20
Chhattisgarh	13-Apr-22	2020-21
CSPDCL	13-Apr-22	2020-21
Dadra & Nagar Haveli	31-Mar-22	2020-21
DNHPDCL	31-Mar-22	2020-21
Daman & Diu	31-Mar-22	2020-21
Daman & Diu ED	31-Mar-22	2020-21
Delhi	30-Sep-21	2019-20
BRPL	30-Sep-21	2019-20
BYPL	30-Sep-21	2019-20
TPDDL	30-Sep-21	2019-20
Goa	31-Mar-22	2016-17
Goa PD	31-Mar-22	2016-17
Gujarat	31-Mar-22	2020-21
DGVCL	31-Mar-22	2020-21
MGVCL	31-Mar-22	2020-21
UGVCL	31-Mar-22	2020-21
PGVCL	31-Mar-22	2020-21

Date of Issuance of True-up Order (Distribution Utilities)

DISCOMS	Latest Tariff order date (As on 30 th June 2022)	Latest True-up (FY)
Haryana	30-Mar-22	2020-21
DHBVNL	30-Mar-22	2020-21
UHBVNL	30-Mar-22	2020-21
Himachal Pradesh	29-Mar-22	2020-21
HPSEBL	29-Mar-22	2020-21
J&K and Ladakh	Not Issued	2014-15
JKPDD	Not Issued	2014-15
Jharkhand	01-Oct-20	2018-19
JBVNL	01-Oct-20	2018-19
Karnataka	04-Apr-22	2020-21
BESCOM	04-Apr-22	2020-21
CESCOM	04-Apr-22	2020-21
GESCOM	04-Apr-22	2020-21
HESCOM	04-Apr-22	2020-21
MESCOM	04-Apr-22	2020-21
Kerala	24-Jun-22	2020-21
KSEBL	24-Jun-22	2020-21
Lakshadweep	31-Mar-21	2018-19
Lakshadweep ED	31-Mar-21	2018-19
Madhya Pradesh	31-Mar-22	2020-21
MPMaKVVCL	31-Mar-22	2020-21
MPPaKVVCL	31-Mar-22	2020-21
MPPoKVVCL	31-Mar-22	2020-21
Maharashtra	30-Mar-20	2019-20 (Provisional)
MSEDCL	30-Mar-20	2019-20 (Provisional)
Manipur	23-Mar-22	2020-21 (Provisional)
MSPDCL	23-Mar-22	2020-21 (Provisional)
Meghalaya	25-Mar-22	2019-20
MePDCL	25-Mar-22	2019-20
Mizoram	23-Mar-22	2020-21
Mizoram PD	23-Mar-22	2020-21
Nagaland	20-Mar-22	2014-15 (Provisional)

Date of Issuance of True-up Order (Distribution Utilities)

DISCOMS	Latest Tariff order date (As on 30 th June 2022)	Latest True-up (FY)
Nagaland PD	20-Mar-22	2014-15 (Provisional)
Odisha	24-Mar-22	2013-14
TPCODL	24-Mar-22	2013-14
TPNODL	24-Mar-22	2013-14
TPSODL	24-Mar-22	2013-14
TPWODL	24-Mar-22	2013-14
Puducherry	31-Mar-22	2020-21
Puducherry PD	31-Mar-22	2020-21
Punjab	31-Mar-22	2020-21
PSPCL	31-Mar-22	2020-21
Rajasthan	24-Nov-21	2019-20
AVVNL	24-Nov-21	2019-20
JdVVNL	24-Nov-21	2019-20
JVVNL	24-Nov-21	2019-20
Sikkim	14-Mar-22	2020-21
Sikkim PD	14-Mar-22	2020-21
Tamil Nadu	Not Issued	2015-16
TANGEDCO	Not Issued	2015-16
Telangana	23-Mar-22	2016-17 (Provisional)
TSNPDCL	23-Mar-22	2016-17 (Provisional)
TSSPDCL	23-Mar-22	2016-17 (Provisional)
Tripura	01-Sep-20	2015-16
TSECL	01-Sep-20	2015-16
Uttar Pradesh	29-Jul-21	2019-20
DVVNL	29-Jul-21	2019-20
KESCO	29-Jul-21	2019-20
MVVNL	29-Jul-21	2019-20
PaVVNL	29-Jul-21	2019-20
PuVVNL	29-Jul-21	2019-20
Uttarakhand	31-Mar-22	2020-21
UPCL	31-Mar-22	2020-21

Date of Issuance of True-up Order (Distribution Utilities)

DISCOMS	Latest Tariff order date (As on 30 th June 2022)	Latest True-up (FY)
West Bengal	28-Mar-22	2012-13
WBSEDCL	28-Mar-22	2012-13

Applicable Period (FY)	# States	States/UTs
2020-21	19	Andaman & Nicobar Islands, Andhra Pradesh, Assam, Bihar, Chhattisgarh, Dadra & Nagar Haveli, Daman & Diu, Gujarat, Haryana, Himachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Manipur, Mizoram, Puducherry, Punjab, Sikkim, and Uttarakhand
2019-20	05	Chandigarh, Delhi, Meghalaya, Rajasthan, and Uttar Pradesh
2018-19	03	Jharkhand, Lakshadweep and Maharashtra
Till 2018	09	Arunachal Pradesh, Goa, J&K and Ladakh, Nagaland, Odisha, Tamil Nadu, Telangana, Tripura, and West Bengal

Date of Issuance of Tariff Order (Transmission Utilities)

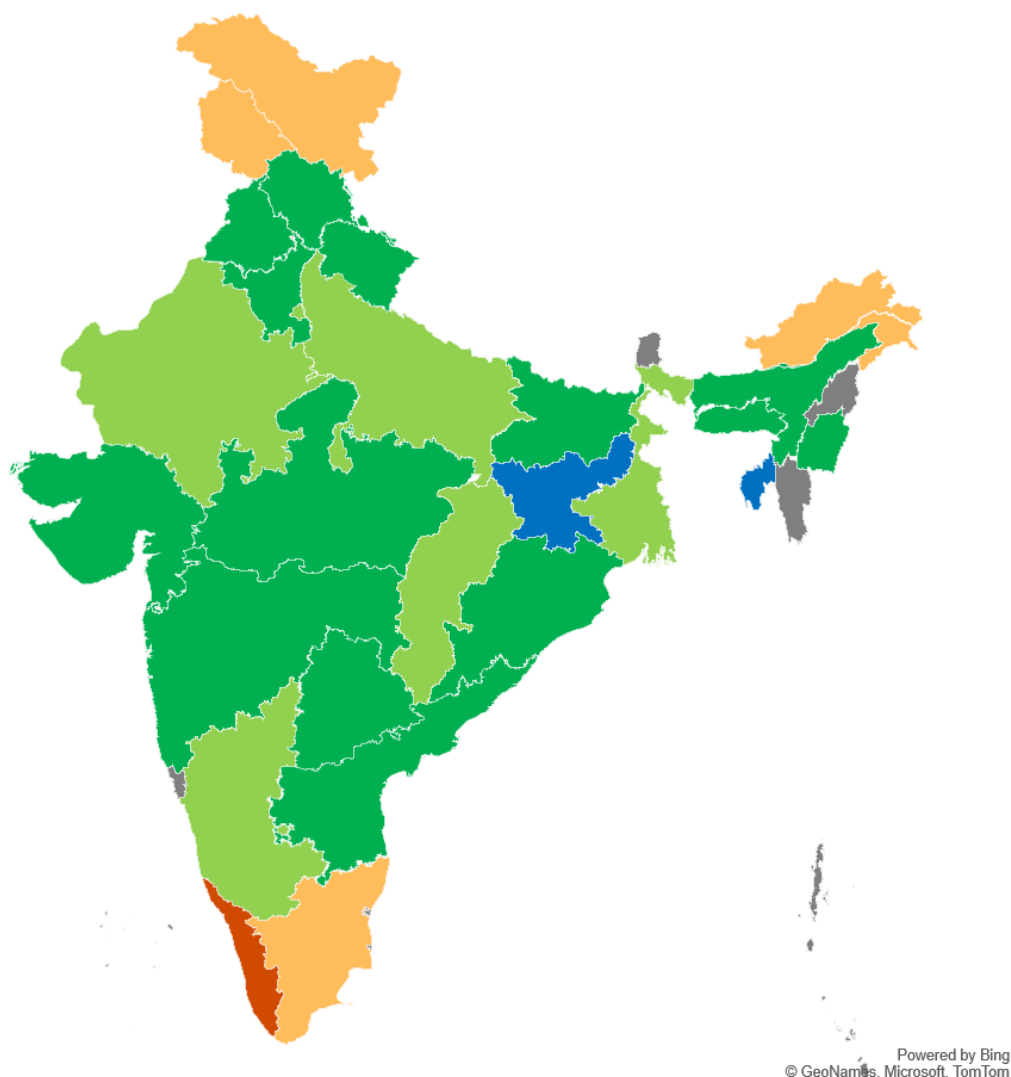
(Status as on 30th June 2022)

	Date of Issuance of Tariff Order	
	Applicable Period	Date of Issuance
Andhra Pradesh	2019-24	08-Mar-19
APTRANSCO	2019-24	08-Mar-19
Arunachal Pradesh	2018-19	07-Jun-19
Arunachal PD	2018-19	07-Jun-19
Assam	2022-23	21-Mar-22
AEGCL	2022-23	21-Mar-22
Bihar	2022-23	25-Mar-22
BSPTCL	2022-23	25-Mar-22
Chhattisgarh	2022-23	13-Apr-22
CSPTCL	2022-23	13-Apr-22
Dadra & Nagar Haveli	2022-23	31-Mar-22
DNHPDCL	2022-23	31-Mar-22
Delhi	2021-22	30-Sep-21
DTL	2021-22	30-Sep-21
Gujarat	2022-23	30-Mar-22
GETCO	2022-23	30-Mar-22
Haryana	2022-23	02-Mar-22
HVPNL	2022-23	02-Mar-22
Himachal Pradesh	2019-24	29-Jun-19
HPPTCL	2019-24	29-Jun-19
J&K and Ladakh	2015-16	27-Feb-15
JKPDD-T	2015-16	27-Feb-15
Jharkhand	2016-21	24-Feb-18
JUSNL	2016-21	24-Feb-18
Karnataka	2023-25	04-Apr-22
KPTCL	2023-25	04-Apr-22
Kerala	2018-22	08-Jul-19
KSEBL	2018-22	08-Jul-19
Madhya Pradesh	2019-24	19-May-21
MPPTCL	2019-24	19-May-21
Maharashtra	2020-25	30-Mar-20
MSETCL	2020-25	30-Mar-20
Manipur	2022-23	23-Mar-22
MSPCL	2022-23	23-Mar-22
Meghalaya	2022-23	25-Mar-22
MePTCL	2022-23	25-Mar-22
Odisha	2022-23	24-Mar-22

Date of Issuance of Tariff Order (Transmission Utilities)

	Date of Issuance of Tariff Order	
	Applicable Period	Date of Issuance
OPTCL	2022-23	24-Mar-22
Punjab	2022-23	31-Mar-22
PSTCL	2022-23	31-Mar-22
Rajasthan	2021-22	20-Mar-20
RRVPL	2021-22	20-Mar-20
Tamil Nadu	2016-19	11-Aug-17
TANTRANSCO	2016-19	11-Aug-17
Telangana	2019-24	20-Mar-20
TSTRANSCO	2019-24	20-Mar-20
Tripura	2016-21	01-Sep-20
TSECL	2016-21	01-Sep-20
Uttar Pradesh	2021-22	29-Jun-21
UPPTCL	2021-22	29-Jun-21
Uttarakhand	2022-25	31-Mar-22
PTCUL	2022-25	31-Mar-22
West Bengal	2020-22	25-Jun-21
WBSETCL	2020-22	25-Jun-21

Date of Issuance of Tariff Order (Transmission Utilities)



Tariff Orders for 2023 issued before Mar-22	15	Andhra Pradesh, Assam, Bihar, Dadra & Nagar Haveli, Gujarat, Haryana, Himachal Pradesh, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Odisha, Punjab, Telangana, and Uttarakhand
Tariff Orders for 2023 issued during Apr to Jun-22	02	Chhattisgarh and Karnataka (issued in Apr-22)
Tariff Orders issued till 2022	05	Delhi, Kerala, Rajasthan, Uttar Pradesh and West Bengal
Tariff Orders issued till 2021	02	Jharkhand and Tripura
Tariff Orders issued till 2020	03	Arunachal Pradesh, Jammu & Kashmir and Ladakh and Tamil Nadu
Exempted from issuance of Tariff Order	09	Andaman & Nicobar Islands, Chandigarh, Daman & Diu, Goa, Lakshadweep, Mizoram, Nagaland, Puducherry, and Sikkim

Date of Issuance of Tariff Order (Generation Utilities)

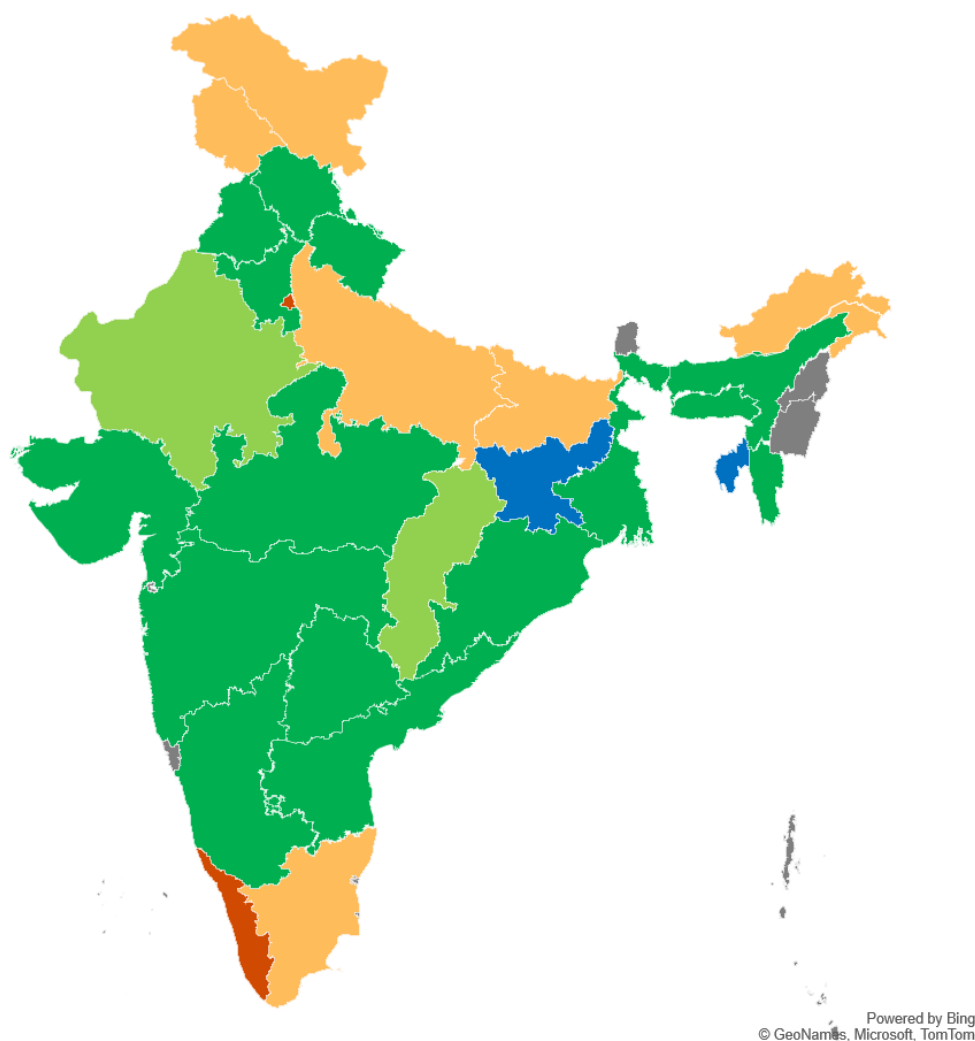
(Status as on 30th June 2022)

	Date of Issuance of Tariff Order	
	Applicable Period	Date of Issuance
Andhra Pradesh	2020-24	29-Apr-19
APGENCO	2020-24	29-Apr-19
Arunachal Pradesh	2019-20	20-Dec-19
Arunachal PD	2019-20	20-Dec-19
Assam	2022-25	21-Mar-22
APGCL	2022-25	21-Mar-22
Bihar	2018-19	07-Mar-18
BSPGCL	2018-19	07-Mar-18
Chhattisgarh	2022-23	13-Apr-22
CSPGCL	2022-23	13-Apr-22
Delhi	2021-22	30-Sep-21
IPGCL	2021-22	30-Sep-21
PPCL	2021-22	30-Sep-21
Gujarat	2022-23	30-Mar-22
GSECL	2022-23	30-Mar-22
Haryana	2022-23	22-Feb-22
HPGCL	2022-23	22-Feb-22
Himachal Pradesh	2020-24	11-Nov-21
HPSEB Ltd.	2020-24	11-Nov-21
J&K and Ladakh	2015-16	27-Feb-15
JKSPDC	2015-16	27-Feb-15
Jharkhand	2016-21	25-Sep-18
JUUNL	2016-21	25-Sep-18
Karnataka	2011-36	25-Feb-15
KPCL	2011-36	25-Feb-15
Kerala	2019-22	08-Jul-19
KSEBL	2019-22	08-Jul-19
Madhya Pradesh	2019-24	19-May-21
MPPGCL	2019-24	19-May-21
Maharashtra	2020-25	01-Mar-21
MSPGCL	2020-25	01-Mar-21
Meghalaya	2022-23	25-Mar-22
MePGCL	2022-23	25-Mar-22
Mizoram	2022-23	23-Mar-22
P&ED	2022-23	23-Mar-22
Odisha	2022-23	24-Mar-22
OHPC	2022-23	24-Mar-22
OPGCL	2022-23	24-Mar-22
Puducherry	2022-23	31-Mar-22

Date of Issuance of Tariff Order (Generation Utilities)

	Date of Issuance of Tariff Order	
	Applicable Period	Date of Issuance
PPCL	2022-23	31-Mar-22
Punjab	2022-23	31-Mar-22
PSPCL	2022-23	31-Mar-22
Rajasthan	2022-23	23-Jun-22
RRVUNL	2022-23	23-Jun-22
Tamil Nadu	2017-19	11-Aug-17
TANGEDCO	2017-19	11-Aug-17
Telangana	2019-24	22-Mar-22
TSGENCO	2020-24	22-Mar-22
Tripura	2016-21	01-Sep-20
TPGL	2016-21	01-Sep-20
Uttar Pradesh	2014-19	03-Jul-18 & 29-Apr-16
UPJVNL	2014-19	03-Jul-18
UPRVUNL	2014-19	29-Apr-16
Uttarakhand	2022-25	31-Mar-22
UJVNL	2022-25	31-Mar-22
West Bengal	2021-23 & 2021-22	08-Oct-21 & 28-Mar-22
WBPDCL	2021-23	08-Oct-21
WBSEDCL	2021-22	28-Mar-22

Date of Issuance of Tariff Order (Generation Utilities)



Tariff Orders for 2023 issued before Mar-22	16	Andhra Pradesh, Assam, Gujarat, Haryana, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Meghalaya, Mizoram, Odisha, Puducherry, Punjab, Telangana, Uttarakhand and West Bengal
Tariff Orders for 2023 issued during Apr to Jun-22	02	Chhattisgarh (Apr-22) and Rajasthan (Jun-22)
Tariff Orders issued till 2022	02	Delhi and Kerala
Tariff Orders issued till 2021	02	Jharkhand and Tripura
Tariff Orders issued till 2020	05	Arunachal Pradesh, Bihar, Jammu & Kashmir and Ladakh, Tamil Nadu and Uttar Pradesh
Exempted from issuance of Tariff Order	09	Andaman & Nicobar Islands, Chandigarh, Dadra & Nagar Haveli, Daman & Diu, Goa, Lakshadweep, Manipur, Nagaland, and Sikkim

SECTION 2

DISTRIBUTION LOSSES



Distribution Losses

(Figures in %)

	2019-20		2020-21		2021-22	2022-23
	Dist. Loss (Approved)	Dist. Loss (Actual)	Dist. Loss (Approved)	Dist. Loss (Actuals)	Dist. Loss (Approved)	Dist. Loss (Approved)
Andaman & Nicobar	14.34	21.98	13.84	28.33	13.34	--
ED Andaman & Nicobar	14.34	21.98	13.84	28.33	13.34	--
Andhra Pradesh	8.80	10.03	10.28	8.88	10.05	9.73
APEPDCL	8.21	8.94	9.28	9.04	8.90	8.55
APSPDCL	9.15	10.67	10.87	7.69	10.68	10.15
APCPDCL	NA	NA	10.87	10.59	10.77	10.90
Arunachal Pradesh	--	45.71	--	--	--	--
Arunachal PD	--	45.71	--	--	--	--
Assam	16.00	19.06	15.50	18.55	15.00	15.00
APDCL	16.00	19.06	15.50	18.55	15.00	15.00
Bihar	15.00	25.99	15.00	25.23	15.00	15.00
NBPDCL	15.00	22.16	15.00	23.34	15.00	15.00
SBPDCL	15.00	28.90	15.00	26.72	15.00	15.00
Chandigarh	9.40	11.91	9.30	--	9.20	--
Chandigarh ED	9.40	11.91	9.30	--	9.20	--
Chhattisgarh	14.73	19.27	16.00	18.50	16.00	15.67
CSPDCL	14.73	19.27	16.00	18.50	16.00	15.67
Dadra & Nagar Haveli	4.30	3.47	4.20	3.62	4.10	3.20
DNHPDCL	4.30	3.47	4.20	3.62	4.10	3.20
Daman & Diu	6.70	4.07	6.60	4.48	6.50	3.77
Daman & Diu ED	6.70	4.07	6.60	4.48	6.50	3.77
Delhi	9.24	7.08	--	--	--	--
BRPL	9.50	7.16	8.10	--	8.00	--
BYPL	10.50	7.35	9.00	--	8.75	--
TPDDL	8.00	6.78	7.90	--	7.80	--
Goa	10.75	12.00	10.50	--	10.25	10.25
Goa PD	10.75	12.00	10.50	--	10.25	10.25
Gujarat	12.62	10.40	--	--	--	6.50
DGVCL	9.90	3.04*	9.80	7.40	6.50	6.50
MGVCL	11.60	9.15	11.55	9.96	9.00	9.00
PGVCL	17.00	17.85	16.00	17.86	16.00	16.00
UGVCL	9.70	6.73	9.60	6.76	9.00	7.00
Haryana	14.14	16.33	18.44	17.05	15.00	14.00
DHBVNL	14.14	14.37	16.53	16.93	14.00	14.00
UHBVNL	14.14	19.01	21.23	17.20	16.00	14.00
Himachal Pradesh	10.30	12.04	10.10	13.95	9.90	9.70
HPSEBL	10.30	12.04	10.10	13.95	9.90	9.70
J&K and Ladakh	15.00	50.11	14.00	--	--	--

Distribution Losses

(Figures in %)

	2019-20		2020-21		2021-22	2022-23
	Dist. Loss (Approved)	Dist. Loss (Actual)	Dist. Loss (Approved)	Dist. Loss (Actuals)	Dist. Loss (Approved)	Dist. Loss (Approved)
JKPDD	15.00	50.11	14.00	--	--	--
Jharkhand	14.00	22.46	13.00	--	--	--
JBVNL	14.00	22.46	13.00	--	--	--
Karnataka	12.95	12.04	12.27	11.94	11.29	10.85
BESCOM	12.25	11.99	11.50	11.63	11.00	10.50
CESCOM	12.70	11.12	11.50	12.75	10.75	10.70
GESCOM	14.89	11.22	11.00	11.72	10.75	10.50
HESCOM	14.40	14.10	13.75	13.25	13.50	12.75
MESCOM	11.00	10.07	9.67	9.86	9.27	9.10
Kerala	12.42	12.09	12.02	10.37	11.62	--
KSEBL	12.42	12.09	12.02	10.37	11.62	--
Lakshadweep	12.75	14.13	12.50	--	12.25	11.25
Lakshadweep ED	12.75	14.13	12.50	--	12.25	11.25
Madhya Pradesh	15.92	20.18	15.94	20.00	16.00	15.69
MPMaKVCL	17.00	28.03	17.00	28.69	17.00	16.75
MPPaKVCL	15.00	11.10	15.00	12.71	14.00	14.75
MPPoKVCL	16.00	22.52	16.00	29.19	16.00	15.75
Maharashtra	13.26	18.26	18.00	--	16.00	14.00
MSEDCL	13.26	18.26	18.00	--	16.00	14.00
Manipur	15.00	21.22	21.19	21.86	20.50	21.64
MSPDCL	15.00	21.22	21.19	21.86	20.50	21.64
Meghalaya	12.19	29.88	12.00	--	12.00	12.00
MePDCL	12.19	29.88	12.00	--	12.00	12.00
Mizoram	16.52	20.66	19.64	29.05	18.16	17.83
Mizoram PD	16.52	20.66	19.64	29.05	18.16	17.83
Nagaland	21.00	52.93	20.75	--	20.50	20.25
Nagaland PD	21.00	52.93	20.75	--	20.50	20.25
Odisha	21.28	20.65	21.36	24.17	21.24	21.25
TPCODL	23.00	23.15	23.00	25.90	22.93	22.93
TPNODL	18.35	17.12	18.35	20.63	18.35	18.35
TPSODL	25.50	24.47	25.00	23.07	25.00	25.00
TPWODL	19.60	18.73	19.60	25.07	19.60	19.60
Puducherry	12.50	12.75	11.75	12.11	11.00	11.00
Puducherry PD	12.50	12.75	11.75	12.11	11.00	11.00
Punjab	11.54	14.35	11.24	12.99	10.94	12.04
PSPCL	11.54	14.35	11.24	12.99	10.94	12.04
Rajasthan	15.00	17.23	15.00	--	15.00	--
AVVNL	15.00	14.48	15.00	--	15.00	--
JdVVNL	15.00	19.38	15.00	--	15.00	--

Distribution Losses

(Figures in %)

	2019-20		2020-21		2021-22	2022-23
	Dist. Loss (Approved)	Dist. Loss (Actual)	Dist. Loss (Approved)	Dist. Loss (Actuals)	Dist. Loss (Approved)	Dist. Loss (Approved)
JVVNL	15.00	17.21	15.00	--	15.00	--
Sikkim	22.00	28.77	20.00	25.92	20.00	18.00
Sikkim PD	22.00	28.77	20.00	25.92	20.00	18.00
Tamil Nadu	--	14.06	--	--	--	--
TANGEDCO	--	14.06	--	--	--	--
Telangana	--	7.95	--	--	--	10.09
TSNPDCL	11.90	9.04	11.81	--	11.72	10.70
TSSPDCL	12.31	7.43	12.22	--	12.13	9.84
Tripura	17.02	30.04	15.79	--	--	--
TSECL	17.02	30.04	15.79	--	--	--
Uttar Pradesh	11.96	20.15	11.54	--	11.08	--
DVVNL	12.10	22.16	11.80	--	11.33	--
KESCO	11.80	7.76	8.42	--	8.25	--
MVVNL	11.80	22.59	11.51	--	11.04	--
PaVVNL	11.80	18.11	11.51	--	11.04	--
PuVVNL	12.20	20.47	11.83	--	11.36	--
Uttarakhand	14.25	14.34	14.00	14.64	13.75	13.50
UPCL	14.25	14.34	14.00	14.64	13.75	13.50
West Bengal	17.50	18.57	17.50	--	17.50	17.50
WBSEDCL	17.50	18.57	17.50	--	17.50	17.50

Note:

* Due to substantial numbers of Industrial consumers of DGVCL having consumption of about 70-75% of total sales. The covid-19 situation caused nation-wide lockdown; Govt. of Gujarat had also announced lockdown. These facts have resulted into reduced consumption by industrial consumers and thereby resulted in abnormal loss reduction.

Distribution Losses

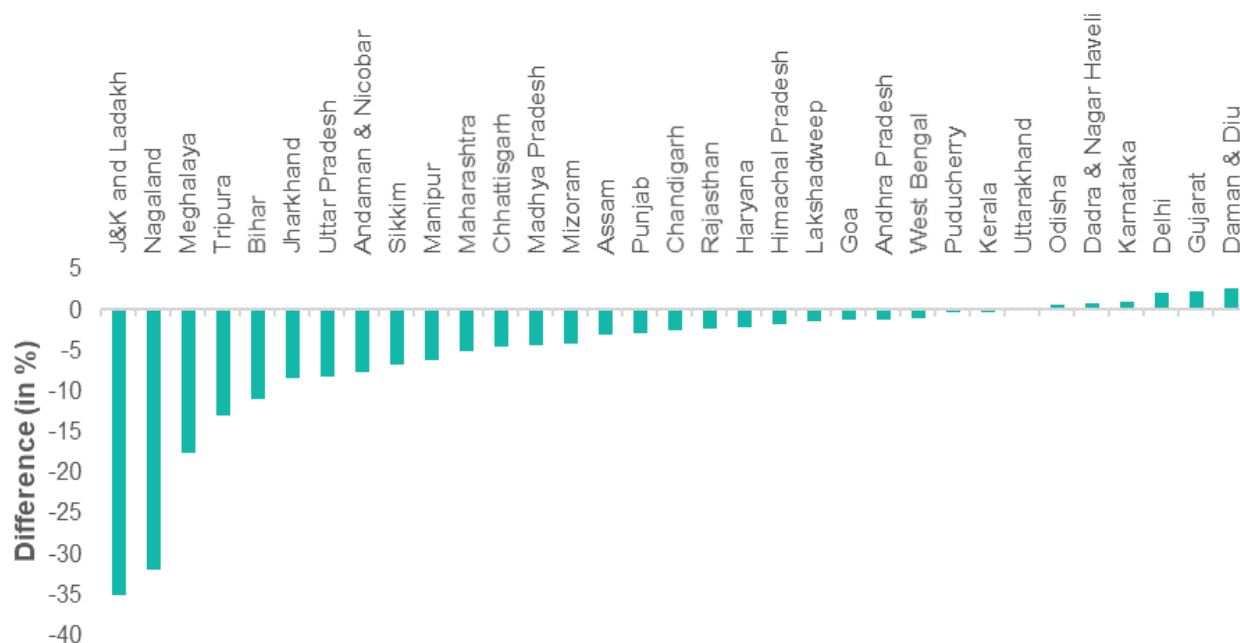
(Figures in %)

Summary of findings

Difference of Approved vs Actual Distribution Loss | 2020-21



Difference of Approved vs Actual Distribution Loss | 2019-20



- The graphs above highlights the comparative figures between actual and approved figures of Distribution losses.



SECTION 3

AVERAGE BILLING RATE



Average Billing Rate

(Figures in Rs/kW)

	2019-20		2020-21		2021-22	2022-23
	Approved	Actual	Approved	Actual	Approved	Approved
Andaman & Nicobar	6.27	6.34	6.90	6.74	6.63	--
EDAN	6.27	6.34	6.90	6.74	6.63	--
Andhra Pradesh	5.99	6.54	6.50	5.27	6.37	5.68
APEPDCL	5.81	6.38	6.41	5.51	6.42	5.99
APSPDCL	6.09	6.63	6.75	4.73	6.18	5.22
APCPDCL	NA	NA	NA	5.82	6.62	5.96
Arunachal Pradesh	--	--	--	--	--	--
Arunachal PD	--	--	--	--	--	--
Assam	7.05	7.76	7.87	7.94	7.71	7.54
APDCL	7.05	7.76	7.87	7.94	7.71	7.54
Bihar	7.14	7.23	7.05	7.16	7.38	7.30
NBPDCL	6.85	7.14	6.94	7.01	7.21	7.21
SBPDCL	7.41	7.31	7.16	7.29	7.53	7.37
Chandigarh	5.44	5.34	5.53	--	5.10	--
CED	5.44	5.34	5.53	--	5.10	--
Chhattisgarh	6.07	6.66	5.93	6.71	6.29	6.08
CSPDCL	6.07	6.66	5.93	6.71	6.29	6.08
Dadra & Nagar Haveli	4.69	5.36	5.37	5.48	5.11	5.28
DNHPDCL	4.69	5.36	5.37	5.48	5.11	5.28
Daman & Diu	4.18	4.46	4.90	5.13	4.90	4.91
Daman & Diu ED	4.18	4.46	4.90	5.13	4.90	4.91
Delhi	7.16	7.47	7.41	--	7.72	--
BRPL	7.11	7.33	7.41	--	8.62	--
BYPL	6.98	7.24	7.05	--	7.48	--
TPDDL	7.36	7.84	7.69	--	6.91	--
Goa	5.56	--	5.57	--	5.63	5.68
Goa PD	5.56	--	5.57	--	5.63	5.68
Gujarat	5.81	5.96	5.87	6.19	6.23	6.32
DGVCL	6.57	6.97	6.64	6.98	6.94	7.11
MGVCL	6.06	6.49	6.11	6.49	6.53	6.62
PGVCL	5.66	6.11	5.72	6.11	6.15	6.17
UGVCL	5.25	4.91	5.32	5.55	5.57	5.68
Haryana	7.05	4.43	7.23	5.11	6.78	6.64
DHBVNL	7.05	5.26	7.23	3.75	6.78	--
UHBVNL	7.05	3.59	7.23	6.99	6.78	--
Himachal Pradesh	5.36	6.15	5.18	5.36	5.18	5.85
HPSEBL	5.36	6.15	5.18	5.36	5.18	5.85
J&K and Ladakh	N/A	--	N/A	--	--	--
JKPDD	N/A	--	N/A	--	--	--
Jharkhand	6.32	--	6.53	--	--	--
JBVNL	6.32	--	6.53	--	--	--
Karnataka	7.20	7.31	7.93	7.46	8.12	8.08

Average Billing Rate

(Figures in Rs/kW)

	2019-20		2020-21		2021-22	2022-23
	Approved	Actual	Approved	Actual	Approved	Approved
BESCOM	7.37	7.61	8.30	7.79	8.42	8.35
CHESCOM	6.93	6.81	7.46	6.91	7.61	7.76
GESCOM	7.02	7.12	7.64	7.40	7.74	7.76
HESCOM	7.08	7.07	7.76	7.13	8.00	7.96
MESCOM	7.13	7.16	7.28	7.30	7.94	7.78
Kerala	5.75	6.16	5.78	6.15	5.80	--
KSEBL	5.75	6.16	5.78	6.15	5.80	--
Lakshadweep	4.42	--	4.76	--	4.79	5.27
LED	4.42	--	4.76	--	4.79	5.27
Madhya Pradesh	6.59	6.79	6.51	6.83	6.60	6.68
MPMaKVVCL	6.69	6.99	6.26	6.94	7.31	6.78
MPPaKVVCL	6.53	6.81	6.64	6.84	5.80	6.61
MPPoKVVCL	6.57	6.57	6.60	6.68	6.85	6.66
Maharashtra	6.80	7.38	7.28	--	7.26	7.27
MSEDCL	6.80	7.38	7.28	--	7.26	7.27
Manipur	9.31	8.08	9.11	6.40	11.02	11.22
MSPDCL	9.31	8.08	9.11	6.40	11.02	11.22
Meghalaya	--	4.42	6.76	--	6.26	6.33
MePDCL	--	4.42	6.76	--	6.26	6.33
Mizoram	5.86	9.77	8.85	13.26	7.65	8.60
Mizoram PD	5.86	9.77	8.85	13.26	7.65	8.60
Nagaland	8.67	--	10.19	--	10.20	10.22
NPD	8.67	--	10.19	--	10.20	10.22
Odisha	4.77	--	4.82	--	5.29	5.50
TPCODL	4.80	--	4.90	--	5.36	5.66
TPNODL	4.86	--	4.90	--	5.30	5.50
TPSODL	4.40	--	4.43	--	4.95	5.14
TPWODL	4.85	--	4.86	--	5.36	5.51
Puducherry	5.92	5.60	5.85	5.68	5.82	5.83
PED	5.92	5.60	5.85	5.68	5.82	5.83
Punjab	6.54	8.72	6.50	6.40	6.48	6.47
PSPCL	6.54	8.72	6.50	6.40	6.48	6.47
Rajasthan	7.90	7.65	--	--	6.56	--
AVVNL	8.51	8.28	--	--	7.86	--
JdVVNL	7.05	7.17	--	--	6.53	--
JVVNL	8.16	7.62	--	--	5.68	--
Sikkim	4.26	4.22	4.15	4.70	4.46	4.19
Sikkim PD	4.26	4.22	4.15	4.70	4.46	4.19
Tamil Nadu	--	--	--	--	--	--
TANGEDCO	--	--	--	--	--	--
Telangana	--	--	--	--	--	5.89
TSNPDCL	--	--	--	--	--	4.53
TSSPDCL	--	--	--	--	--	6.47
Tripura	4.85	--	4.90	--	--	--

Average Billing Rate

(Figures in Rs/kW)

	2019-20		2020-21		2021-22	2022-23
	Approved	Actual	Approved	Actual	Approved	Approved
TSECL	4.85	--	4.90	--	--	--
Uttar Pradesh	7.38	7.01	7.55	--	6.36	--
DVVNL	6.60	6.69	7.28	--	6.05	--
KESCO	8.16	7.94	8.27	--	8.11	--
MVVNL	7.99	7.48	7.75	--	6.56	--
PaVVNL	7.28	6.81	7.49	--	6.43	--
PuVVNL	7.58	7.03	7.58	--	6.12	--
Uttarakhand	5.32	5.48	5.61	5.47	5.80	5.75
UPCL	5.32	5.48	5.61	5.47	5.80	5.75
West Bengal	6.98	--	--	--	7.19	7.19
WBSEDCL	6.98	--	--	--	7.19	7.19

Notes:

- Approved and Actual Values are as per tariff/ true up order issued by the respective SERCs/JERCs.
- State level aggregation is based on average of DISCOM level values weighted against corresponding energy sales.
- ABR has been estimated by dividing revenue from sale of power at approved tariff and approved subsidy with estimated energy sale.
- ABR values include subsidy booked.
- For Manipur, the revenue has grown at 13% CAGR during the period FY-20 to FY-23. While the total sales (in MU) have increased marginally by 6% CAGR for the same period leading to the considerable increase in ABR during FY-22 and FY-23
- In case of Haryana, details for Average Billing Rate (ABR) calculations are not provided separately for DHBVNL and UHBVNL

Difference in Approved and Actual Average Billing Rate

(Figures in Rs/kWh)

	Difference in Approved and Actual Average Billing Rate								
	2018-19			2019-20			2020-21		
	Approved	Actual	Difference	Approved	Actual	Difference	Approved	Actual	Difference
Andaman & Nicobar	6.37	6.04	0.33	6.27	6.34	-0.07	6.90	6.74	0.16
EDAN	6.37	6.04	0.33	6.27	6.34	-0.07	6.90	6.74	0.16
Andhra Pradesh	5.84	5.00	0.84	5.99	6.54	-0.55	6.50	5.27	1.23
APEPDCL	5.77	5.11	0.66	5.81	6.38	-0.57	6.41	5.51	0.90
APSPDCL	5.89	4.94	0.95	6.09	6.63	-0.54	6.75	4.73	2.02
APCPDCL	NA	NA	NA	NA	NA	NA	NA	5.82	NA
Arunachal Pradesh	13.30	N/A	NA	N/A	NA	NA	N/A	NA	NA
APDA	13.30	N/A	NA	N/A	NA	NA	N/A	NA	NA
Assam	7.22	6.64	0.58	7.05	7.76	-0.71	7.87	7.94	-0.07
APDCL	7.22	6.64	0.58	7.05	7.76	-0.71	7.87	7.94	-0.07
Bihar	4.88	4.72	0.16	7.14	7.23	-0.09	7.05	7.16	-0.11
NBPDCL	4.59	4.40	0.19	6.85	7.14	-0.29	6.94	7.01	-0.07
SBPDCL	4.73	5.00	-0.27	7.41	7.31	0.10	7.16	7.29	-0.13
Chandigarh	4.88	4.61	0.27	5.44	5.34	0.10	5.53	N/A	NA
CED	4.88	4.61	0.27	5.44	5.34	0.10	5.53	N/A	NA
Chhattisgarh	4.84	4.05	0.79	6.07	6.66	-0.59	5.93	6.71	-0.78
CSPDCL	4.84	4.05	0.79	6.07	6.66	-0.59	5.93	6.71	-0.78
Dadra & Nagar Haveli	4.68	4.98	-0.30	4.69	5.36	-0.67	5.37	5.48	-0.11
DNHPDCL	4.68	4.98	-0.30	4.69	5.36	-0.67	5.37	5.48	-0.11
Daman & Diu	3.99	3.88	0.11	4.18	4.46	-0.28	4.90	5.13	-0.23
DDED	3.99	3.88	0.11	4.18	4.46	-0.28	4.90	5.13	-0.23
Delhi	7.56	6.85	0.71	7.16	7.47	-0.31	7.41	N/A	NA
BRPL	7.52	7.25	0.27	7.11	7.33	-0.22	7.41	N/A	NA
BYPL	7.47	6.85	0.62	6.98	7.24	-0.26	7.05	N/A	NA
TPDDL	7.67	6.38	1.29	7.36	7.84	-0.48	7.69	N/A	NA
Goa	5.36	N/A	NA	5.56	N/A	NA	5.57	N/A	NA
Goa PD	5.36	N/A	NA	5.56	N/A	NA	5.57	N/A	NA
Gujarat	5.85	5.00	0.85	5.81	5.96	-0.15	5.87	6.19	-0.32
DGVCL	6.61	6.43	0.18	6.57	6.97	-0.40	6.64	6.98	-0.34
MGVCL	6.26	5.52	0.74	6.06	6.49	-0.43	6.11	6.49	-0.38
PGVCL	5.61	4.83	0.78	5.66	6.11	-0.45	5.72	6.11	-0.39
UGVCL	5.20	3.80	1.40	5.25	4.91	0.34	5.32	5.55	-0.23
Haryana	7.06	4.99	2.07	7.05	4.43	2.62	7.23	5.11	2.12
DHBVNL	7.06	4.71	2.35	7.05	5.26	1.79	7.23	3.75	3.48
UHBVNL	7.06	5.43	1.63	7.05	3.59	3.46	7.23	6.99	0.24
Himachal Pradesh	5.34	5.09	0.25	5.36	6.15	-0.79	5.18	5.36	-0.18

Difference in Approved and Actual Average Billing Rate

(Figures in Rs/kWh)

	Difference in Approved and Actual Average Billing Rate								
	2018-19			2019-20			2020-21		
	Approved	Actual	Difference	Approved	Actual	Difference	Approved	Actual	Difference
HPSEBL	5.34	5.09	0.25	5.36	6.15	-0.79	5.18	5.36	-0.18
J&K and Ladakh	--	N/A	NA	--	N/A	NA	--	N/A	NA
JKPDD	--	N/A	NA	--	N/A	NA	--	N/A	NA
Jharkhand	5.86	4.37	1.49	6.32	N/A	NA	6.53	N/A	NA
JBVNL	5.86	4.37	1.49	6.32	N/A	NA	6.53	N/A	NA
Karnataka	4.77	4.68	0.09	7.20	7.31	-0.11	7.93	7.46	0.47
BESCOM	5.72	5.90	-0.18	7.37	7.61	-0.24	8.30	7.79	0.51
CHESCOM	3.77	3.74	0.03	6.93	6.81	0.12	7.46	6.91	0.55
GESCOM	3.90	3.86	0.04	7.02	7.12	-0.10	7.64	7.40	0.24
HESCOM	2.65	2.75	-0.10	7.08	7.07	0.01	7.76	7.13	0.63
MESCOM	4.91	4.84	0.07	7.13	7.16	-0.03	7.28	7.30	-0.02
Kerala	5.34	5.80	-0.46	5.75	6.16	-0.41	5.78	6.15	-0.37
KSEBL	5.34	5.80	-0.46	5.75	6.16	-0.41	5.78	6.15	-0.37
Lakshadweep	5.81	4.65	1.16	4.42	N/A	NA	4.76	N/A	NA
LED	5.81	4.65	1.16	4.42	N/A	NA	4.76	N/A	NA
Madhya Pradesh	6.03	6.23	-0.20	6.59	6.79	-0.20	6.51	6.83	-0.32
MPMaKVVCL	6.08	6.04	0.04	6.69	6.99	-0.30	6.52	6.94	-0.42
MPPaKVVCL	6.02	6.17	-0.15	6.53	6.81	-0.28	6.64	6.84	-0.20
MPPoKVVCL	6.00	6.01	-0.01	6.57	6.57	0.00	6.34	6.68	-0.34
Maharashtra	6.58	5.95	0.63	6.80	7.38	-0.58	7.28	N/A	NA
MSEDCL	6.58	5.95	0.63	6.80	7.38	-0.58	7.28	N/A	NA
Manipur	10.88	9.57	1.31	9.31	8.08	1.23	9.11	6.40	2.71
MSPDCL	10.88	9.57	1.31	9.31	8.08	1.23	9.11	6.40	2.71
Meghalaya	5.17	4.65	0.52	--	4.42	NA	6.76	N/A	NA
MePDCL	5.17	4.65	0.52	--	4.42	NA	6.76	N/A	NA
Mizoram	6.36	8.76	-2.40	5.86	9.77	-3.91	8.85	13.26	-4.41
Mizoram PD	6.36	8.76	-2.40	5.86	9.77	-3.91	8.85	13.26	-4.41
Nagaland	8.29	N/A	NA	8.67	N/A	NA	10.19	N/A	NA
NPD	8.29	N/A	NA	8.67	N/A	NA	10.19	N/A	NA
Odisha	4.69	N/A	NA	4.77	N/A	NA	4.82	N/A	NA
TPCODL	4.74	N/A	NA	4.80	N/A	NA	4.90	N/A	NA
TPNODL	4.81	N/A	NA	4.86	N/A	NA	4.90	N/A	NA
TPSODL	4.30	N/A	NA	4.40	N/A	NA	4.43	N/A	NA
TPWODL	4.70	N/A	NA	4.85	N/A	NA	4.86	N/A	NA
Puducherry	5.46	5.43	0.03	5.92	5.60	0.32	5.85	5.68	0.17
PED	5.46	5.43	0.03	5.92	5.60	0.32	5.85	5.68	0.17
Punjab	6.39	6.23	0.16	6.54	8.72	-2.18	6.50	6.40	0.10

Difference in Approved and Actual Average Billing Rate

(Figures in Rs/kWh)

	Difference in Approved and Actual Average Billing Rate								
	2018-19			2019-20			2020-21		
	Approved	Actual	Difference	Approved	Actual	Difference	Approved	Actual	Difference
PSPCL	6.39	6.23	0.16	6.54	8.72	-2.18	6.50	6.40	0.10
Rajasthan	6.96	6.83	0.13	7.90	7.65	0.25	--	N/A	NA
AVVNL	7.18	7.42	-0.24	8.51	8.28	0.23	--	N/A	NA
JdVVNL	6.44	6.32	0.12	7.05	7.17	-0.12	--	N/A	NA
JVVNL	7.27	7.03	0.24	8.16	7.62	0.54	--	N/A	NA
Sikkim	4.90	4.67	0.23	4.26	4.22	0.04	4.15	4.70	-0.55
Sikkim PD	4.90	4.67	0.23	4.26	4.22	0.04	4.15	4.70	-0.55
Tamil Nadu	6.14	N/A	NA	N/A	N/A	NA	N/A	N/A	NA
TANGEDCO	6.14	N/A	NA	N/A	N/A	NA	N/A	N/A	NA
Telangana	6.08	N/A	NA	--	N/A	NA	--	N/A	NA
TSNPDCL	6.48	N/A	NA	--	N/A	NA	--	N/A	NA
TSSPDCL	5.90	N/A	0.47	--	N/A	NA	--	N/A	NA
Tripura	4.80	N/A	NA	4.85	N/A	NA	4.90	N/A	NA
TSECL	4.80	N/A	NA	4.85	N/A	NA	4.90	N/A	NA
Uttar Pradesh	6.91	6.72	0.19	7.38	7.01	0.37	7.55	N/A	NA
DVVNL	6.61	6.54	0.07	6.60	6.69	-0.09	7.28	N/A	NA
KESCO	7.77	7.72	0.05	8.16	7.94	0.22	8.27	N/A	NA
MVVNL	7.06	6.90	0.16	7.99	7.48	0.51	7.75	N/A	NA
PaVVNL	6.90	6.87	0.03	7.28	6.81	0.47	7.49	N/A	NA
PuVVNL	6.95	7.16	-0.21	7.58	7.03	0.55	7.58	N/A	NA
Uttarakhand	5.06	4.79	0.27	5.32	5.48	-0.16	5.61	5.47	0.14
UPCL	5.06	4.79	0.27	5.32	5.48	-0.16	5.61	5.47	0.14
West Bengal	7.10	N/A	NA	6.98	N/A	NA	N/A	N/A	NA
WBSEDCL	7.10	N/A	NA	6.98	N/A	NA	N/A	N/A	NA

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.

Difference in Approved and Actual Average Billing Rate

(Figures in Rs/kWh)

Difference b/w Approved and Actual Average Billing Rate		2018-19		2019-20		2020-21	
	+VE	Andaman & Nicobar Andhra Pradesh Assam Bihar Chandigarh Chhattisgarh Daman & Diu Delhi Gujarat Haryana Himachal Pradesh	Jharkhand Lakshadweep Maharashtra Manipur Meghalaya Puducherry Punjab Rajasthan Sikkim Uttar Pradesh Uttarakhand	Chandigarh Haryana Manipur Puducherry Rajasthan Sikkim Uttar Pradesh		Andaman & Nicobar Andhra Pradesh Haryana Karnataka Manipur Puducherry Punjab Uttarakhand	
	-VE	Dadra & Nagar Haveli Kerala Madhya Pradesh Mizoram		Andaman & Nicobar Andhra Pradesh Assam Bihar Chhattisgarh Dadra & Nagar Haveli Daman & Diu Delhi Gujarat	Himachal Pradesh Karnataka Kerala Madhya Pradesh Maharashtra Mizoram Punjab Uttarakhand	Assam Bihar Chhattisgarh Dadra & Nagar Haveli Daman & Diu Gujarat Himachal Pradesh Kerala	Madhya Pradesh Mizoram Sikkim



SECTION 4

AVERAGE COST OF SUPPLY >>>>>

Average Cost of Supply

(Figures in Rs/kWh)

	2019-20		2020-21		2021-22	2022-23
	Approved	Actual	Approved	Actual	Approved	Approved
Andaman & Nicobar	25.36	27.34	27.39	28.72	29.52	--
EDAN	25.36	27.34	27.39	28.72	29.52	--
Andhra Pradesh	5.99	--	6.73	7.01	6.33	6.98
APEPDCL	5.81	--	6.59	7.11	6.39	6.72
APSPDCL	6.09	--	6.82	7.05	6.13	7.18
APCPDCL	NA	--	NA	6.80	6.59	7.09
Arunachal Pradesh	--	--	--	--	--	--
APDA	--	--	--	--	--	--
Assam	6.73	8.02	7.07	7.80	7.40	7.52
APDCL	6.73	8.02	7.07	7.80	7.40	7.52
Bihar	6.57	7.92	7.05	7.24	7.38	7.22
NBPDCL	5.53	7.42	6.96	7.31	6.04	7.40
SBPDCL	7.51	8.36	7.13	7.18	8.53	7.07
Chandigarh	5.12	4.98	4.99	--	5.05	--
CED	5.12	4.98	4.99	--	5.05	--
Chhattisgarh	6.07	6.56	5.93	6.92	5.32	6.22
CSPDCL	6.07	6.56	5.93	6.92	5.32	6.22
Dadra & Nagar Haveli	4.93	5.75	5.18	5.13	5.17	5.17
DNHPDCL	4.93	5.75	5.18	5.13	5.17	5.17
Daman & Diu	4.67	5.09	5.02	5.15	4.99	5.20
DDED	4.67	5.09	5.02	5.15	4.99	5.20
Delhi	7.12	7.68	7.39	--	7.67	--
BRPL	7.11	7.64	7.38	--	8.57	--
BYPL	6.86	7.04	7.03	--	7.42	--
TPDDL	7.32	8.20	7.68	--	6.85	--
Goa	5.56	--	5.57	--	5.63	5.68
Goa PD	5.56	--	5.57	--	5.63	5.68
Gujarat	5.91	6.06	5.97	6.19	6.10	6.16
DGVCL	6.48	6.64	6.85	7.11	7.02	6.87
MGVCL	6.07	6.17	6.16	6.43	6.34	6.52
PGVCL	5.89	6.15	5.85	6.15	5.94	5.92
UGVCL	5.39	5.40	5.29	5.43	5.37	5.65
Haryana	6.89	7.13	7.49	6.43	6.79	6.74
DHBVNL	6.69	6.99	7.25	6.20	6.66	6.71
UHBVNL	7.20	7.32	7.84	6.75	6.98	6.77
Himachal Pradesh	5.36	6.07	5.18	5.05	5.18	6.27
HPSEBL	5.36	6.07	5.18	5.05	5.18	6.27
J&K and Ladakh	5.28	--	5.22	--	--	--
JKPDD	5.28	--	5.22	--	--	--
Jharkhand	6.51	--	6.39	--	--	--
JBVNL	6.51	--	6.39	--	--	--
Karnataka	7.20	7.51	7.77	8.03	8.12	8.43
BESCOM	7.37	8.18	8.14	8.30	8.42	8.70
CHESCOM	6.93	6.52	7.3	7.63	7.61	8.11
GESCOM	7.02	7.41	7.47	7.76	7.74	8.11
HESCOM	7.08	6.51	7.60	7.74	8.00	8.31
MESCOM	7.13	7.44	7.13	8.24	7.94	8.13
Kerala	6.10	6.22	6.17	6.18	6.20	--
KSEBL	6.10	6.22	6.17	6.18	6.20	--

Average Cost of Supply

(Figures in Rs/kWh)

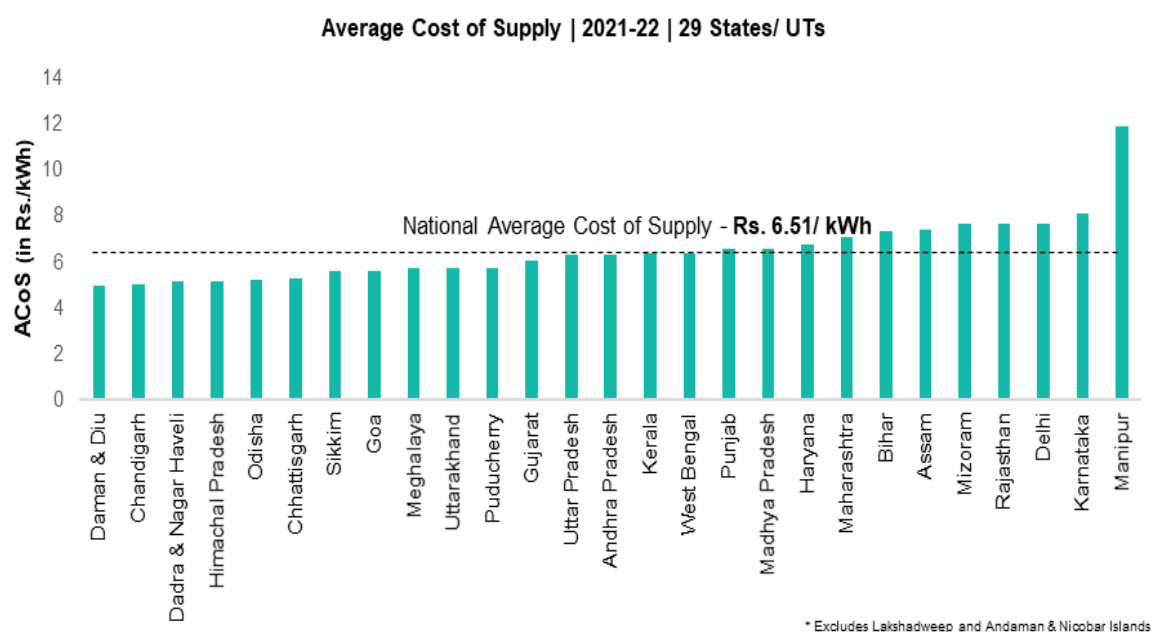
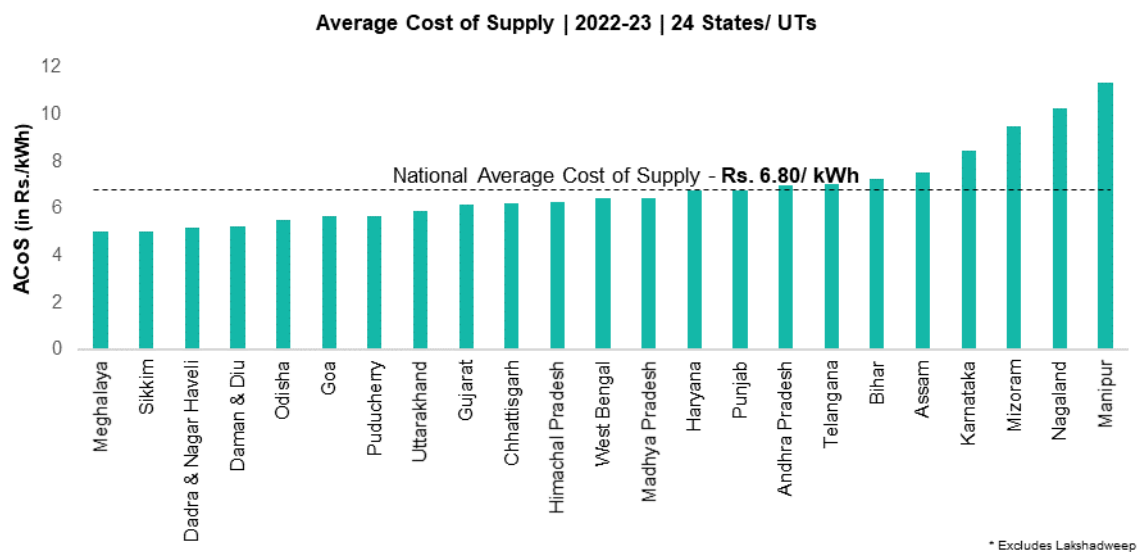
	2019-20		2020-21		2021-22	2022-23
	Approved	Actual	Approved	Actual	Approved	Approved
Lakshadweep	25.66	--	27.55	--	31.21	32.83
LED	25.66	--	27.55	--	31.21	32.83
Madhya Pradesh	6.59	6.79	6.51	6.83	6.60	6.42
MPMaKVVCL	6.69	6.99	6.52	6.94	7.31	6.25
MPPaKVVCL	6.53	6.81	6.64	6.84	5.80	6.81
MPPoKVVCL	6.57	6.57	6.34	6.68	6.85	6.05
Maharashtra	7.03	7.39	7.51	--	7.10	7.02
MSEDCL	7.03	7.39	7.51	--	7.10	7.02
Manipur	10.51	10.64	9.33	10.05	11.9	11.33
MSPDCL	10.51	10.64	9.33	10.05	11.9	11.33
Meghalaya	7.8	7.06	7.76	--	5.75	4.99
MePDCL	7.8	7.06	7.76	--	5.75	4.99
Mizoram	5.86	7.35	8.85	11.15	7.65	9.46
Mizoram PD	5.86	7.35	8.85	11.15	7.65	9.46
Nagaland	8.67	--	10.40	--	--	10.22
NPD	8.67	--	10.40	--	--	10.22
Odisha	4.77	--	4.79	--	5.25	5.48
TPCODL	4.80	--	4.87	--	5.36	5.66
TPNODL	4.86	--	4.86	--	5.30	5.49
TPSODL	4.40	--	4.41	--	4.95	5.13
TPWODL	4.85	--	4.81	--	5.25	5.46
Puducherry	5.70	6.38	5.89	5.74	5.78	5.68
PED	5.70	6.38	5.89	5.74	5.78	5.68
Punjab	6.45	6.36	6.63	6.35	6.56	6.76
PSPCL	6.45	6.36	6.63	6.35	6.56	6.76
Rajasthan	8.04	7.43	--	--	7.66	--
AVVNL	8.08	8.01	--	--	7.71	--
JdVVNL	8.14	7.04	--	--	7.74	--
JVVNL	7.92	7.37	--	--	7.55	--
Sikkim	4.26	6.13	4.34	4.87	5.59	5.03
Sikkim PD	4.26	6.13	4.34	4.87	5.59	5.03
Tamil Nadu	--	--	--	--	--	--
TANGEDCO	--	--	--	--	--	--
Telangana	--	--	--	--	--	7.03
TSNPDCL	--	--	--	--	--	7.57
TSSPDCL	--	--	--	--	--	6.80
Tripura	4.89	--	5.00	--	--	--
TSECL	4.89	--	5.00	--	--	--
Uttar Pradesh	7.35	6.98	7.05	--	6.32	--
DVVNL	7.24	7.03	6.81	--	6.02	--
KESCO	7.07	6.86	7.77	--	8.06	--
MVVNL	7.72	6.93	7.23	--	6.52	--
PaVVNL	6.99	6.79	7.00	--	6.39	--
PuVVNL	7.66	7.23	7.08	--	6.08	--
Uttarakhand	5.28	5.94	5.53	5.48	5.76	5.90
UPCL	5.28	5.94	5.53	5.48	5.76	5.90
West Bengal	6.87	--	6.98	--	6.97	--
WBSEDCL	6.87	--	6.98	--	6.97	--

Average Cost of Supply

(Figures in Rs/kWh)

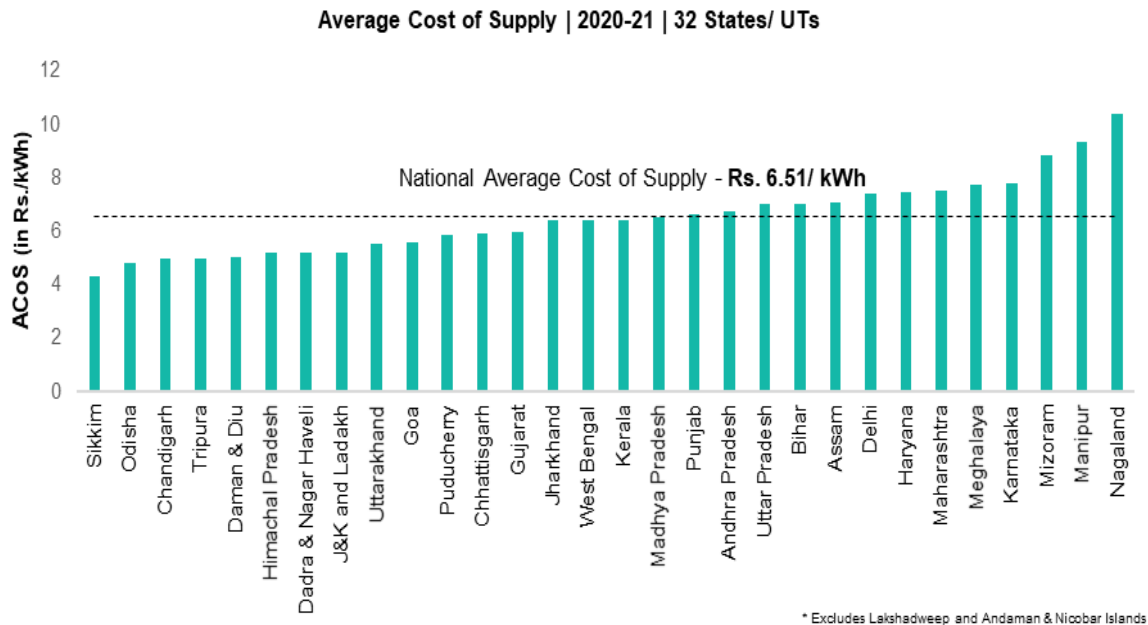
Notes:

- Approved and Actual Values are as per tariff/ true up order issued by the respective SERCs/JERCs
- State level aggregation is based on average of DISCOM level values weighted against energy sales.
- For Mizoram, the quantum of surplus power sold in open market reduced from 269 MU in 2019-20 to 97 MU in 2020-21 leading to reduction in overall sales quantum and increase of Approved ACoS during 2020-21



Average Cost of Supply

(Figures in Rs/kWh)



Difference in Approved and Actual Average Cost of Supply

(Figures in Rs/kWh)

	Difference in Approved and Actual Average Cost of Supply								
	2018-19			2019-20			2020-21		
	Approved	Actual	Difference	Approved	Actual	Difference	Approved	Actual	Difference
Andaman & Nicobar	23.76	25.67	-1.91	25.36	27.34	-1.98	27.39	28.72	-1.33
EDAN	23.76	25.67	-1.91	25.36	27.34	-1.98	27.39	28.72	-1.33
Andhra Pradesh	5.84	6.55	-0.71	5.99	--	NA	6.73	7.01	-0.28
APEPDCL	5.77	6.74	-0.97	5.81	--	NA	6.59	7.11	-0.52
APSPDCL	5.89	6.01	-0.12	6.09	--	NA	6.82	7.05	-0.23
APCPDCL	NA	NA	NA	NA	NA	NA	NA	6.80	NA
Arunachal Pradesh	13.40	N/A	NA	N/A	NA	NA	N/A	NA	NA
APDA	13.40	N/A	NA	N/A	NA	NA	N/A	NA	NA
Assam	6.68	6.58	0.10	6.73	8.02	-1.29	7.07	7.80	-0.73
APDCL	6.68	6.58	0.10	6.73	8.02	-1.29	7.07	7.80	-0.73
Bihar	7.35	7.21	0.14	6.57	7.92	-1.35	7.05	7.24	-0.19
NBPDCL	7.18	7.07	0.11	5.53	7.42	-1.89	6.94	7.31	-0.37
SBPDCL	7.49	7.30	0.19	7.51	8.36	-0.85	7.16	7.18	-0.02
Chandigarh	5.11	5.57	-0.46	5.12	4.98	0.14	4.99	N/A	NA
CED	5.11	5.57	-0.46	5.12	4.98	0.14	4.99	N/A	NA
Chhattisgarh	6.20	6.11	0.09	6.07	6.56	-0.49	5.93	6.92	-0.99
CSPDCL	6.20	6.11	0.09	6.07	6.56	-0.49	5.93	6.92	-0.99
Dadra & Nagar Haveli	4.38	5.04	-0.66	4.93	5.75	-0.82	5.18	5.13	0.05
DNHPDCL	4.38	5.04	-0.66	4.93	5.75	-0.82	5.18	5.13	0.05
Daman & Diu	4.22	3.28	0.94	4.67	5.09	-0.42	5.02	5.15	-0.13
DDED	4.22	3.28	0.94	4.67	5.09	-0.42	5.02	5.15	-0.13
Delhi	7.41	7.24	0.17	7.12	7.68	-0.56	7.39	N/A	NA
BRPL	7.47	7.32	0.15	7.11	7.64	-0.53	7.38	N/A	NA
BYPL	7.41	7.71	-0.30	6.86	7.04	-0.18	7.03	N/A	NA
TPDDL	7.34	7.45	-0.11	7.32	8.20	-0.88	7.68	N/A	NA
Goa	5.36	N/A	NA	5.56	N/A	NA	5.57	N/A	NA
Goa PD	5.36	N/A	NA	5.56	N/A	NA	5.57	N/A	NA
Gujarat	5.80	5.91	-0.11	5.91	6.06	-0.15	5.97	6.19	-0.22
DGVCL	6.63	6.32	0.31	6.48	6.64	-0.16	6.85	7.11	-0.26
MGVCL	6.18	6.23	-0.05	6.07	6.17	-0.10	6.16	6.43	-0.27
PGVCL	5.55	5.89	-0.34	5.89	6.15	-0.26	5.85	6.15	-0.30
UGVCL	5.13	5.22	-0.09	5.39	5.40	-0.01	5.29	5.43	-0.14
Haryana	6.97	6.99	-0.02	6.89	7.13	-0.24	7.49	6.43	1.06
DHBVNL	6.78	7.01	-0.23	6.69	6.99	-0.30	7.25	6.20	1.05
UHBVNL	7.32	7.02	0.30	7.20	7.32	-0.12	7.84	6.75	1.09

Difference in Approved and Actual Average Cost of Supply

(Figures in Rs/kWh)

	Difference in Approved and Actual Average Cost of Supply								
	2018-19			2019-20			2020-21		
	Approved	Actual	Difference	Approved	Actual	Difference	Approved	Actual	Difference
Himachal Pradesh	5.33	5.24	0.09	5.36	6.07	-0.71	5.18	5.05	0.13
HPSEBL	5.33	5.24	0.09	5.36	6.07	-0.71	5.18	5.05	0.13
J&K and Ladakh	5.84	N/A	NA	5.28	N/A	NA	5.22	N/A	NA
JKPDD	5.84	N/A	NA	5.28	N/A	NA	5.22	N/A	NA
Jharkhand	5.86	5.67	0.19	6.51	N/A	NA	6.39	N/A	NA
JBVNL	5.86	5.67	0.19	6.51	N/A	NA	6.39	N/A	NA
Karnataka	6.75	7.35	-0.60	7.20	7.51	-0.31	7.77	8.03	-0.26
BESCOM	6.80	7.89	-1.09	7.37	8.18	-0.81	8.14	8.30	-0.16
CHESCOM	6.37	6.66	-0.29	6.93	6.52	0.41	7.30	7.63	-0.33
GESCOM	6.74	6.89	-0.15	7.02	7.41	-0.39	7.47	7.76	-0.29
HESCOM	6.80	7.19	-0.39	7.08	6.51	0.57	7.60	7.74	-0.14
MESCOM	6.86	6.24	0.62	7.13	7.44	-0.31	7.13	8.24	-1.11
Kerala	6.11	6.56	-0.45	6.10	6.22	-0.12	6.17	6.18	-0.01
KSEBL	6.11	6.56	-0.45	6.10	6.22	-0.12	6.17	6.18	-0.01
Lakshadweep	19.56	22.45	-2.89	25.66	N/A	NA	27.55	N/A	NA
LED	19.56	22.45	-2.89	25.66	N/A	NA	27.55	N/A	NA
Madhya Pradesh	6.03	5.97	0.06	6.59	6.79	-0.20	6.51	6.83	-0.32
MPMaKVCL	6.08	6.05	0.03	6.69	6.99	-0.30	6.52	6.94	-0.42
MPPaKVCL	6.02	5.92	0.10	6.53	6.81	-0.28	6.64	6.84	-0.20
MPPoKVCL	6.00	5.89	0.11	6.57	6.57	0.00	6.34	6.68	-0.34
Maharashtra	6.67	6.55	0.12	7.03	7.39	-0.36	7.51	N/A	NA
MSEDCL	6.67	6.55	0.12	7.03	7.39	-0.36	7.51	N/A	NA
Manipur	12.00	11.74	0.26	10.51	10.64	-0.13	9.33	10.05	-0.72
MSPDCL	12.00	11.74	0.26	10.51	10.64	-0.13	9.33	10.05	-0.72
Meghalaya	7.65	7.21	0.44	7.80	7.06	0.74	7.76	N/A	NA
MePDCL	7.65	7.21	0.44	7.80	7.06	0.74	7.76	N/A	NA
Mizoram	6.35	8.31	-1.96	5.86	7.35	-1.49	8.85	11.15	-2.30
Mizoram PD	6.35	8.31	-1.96	5.86	7.35	-1.49	8.85	11.15	-2.30
Nagaland	8.29	N/A	NA	8.67	N/A	NA	10.40	N/A	NA
NPD	8.29	N/A	NA	8.67	N/A	NA	10.40	N/A	NA
Odisha	4.68	N/A	NA	4.77	N/A	NA	4.79	N/A	NA
TPCODL	4.73	N/A	NA	4.80	N/A	NA	4.87	N/A	NA
TPNODL	4.78	N/A	NA	4.86	N/A	NA	4.86	N/A	NA
TPSODL	4.30	N/A	NA	4.40	N/A	NA	4.41	N/A	NA
TPWODL	4.70	N/A	NA	4.85	N/A	NA	4.81	N/A	NA
Puducherry	5.28	5.64	-0.36	5.70	6.38	-0.68	5.89	5.74	0.15

Difference in Approved and Actual Average Cost of Supply

(Figures in Rs/kWh)

	Difference in Approved and Actual Average Cost of Supply								
	2018-19			2019-20			2020-21		
	Approved	Actual	Difference	Approved	Actual	Difference	Approved	Actual	Difference
PED	5.28	5.64	-0.36	5.70	6.38	-0.68	5.89	5.74	0.15
Punjab	5.74	5.33	0.41	6.45	6.36	0.09	6.63	6.35	0.28
PSPCL	5.74	5.33	0.41	6.45	6.36	0.09	6.63	6.35	0.28
Rajasthan	7.04	7.66	-0.62	8.04	7.43	0.61	--	N/A	NA
AVVNL	7.19	6.89	0.30	8.08	8.01	0.07	--	N/A	NA
JdVVNL	6.97	6.45	0.52	8.14	7.04	1.10	--	N/A	NA
JVVNL	6.99	6.43	0.56	7.92	7.37	0.55	--	N/A	NA
Sikkim	4.89	5.33	-0.44	4.26	6.13	-1.87	4.34	4.87	-0.53
Sikkim PD	4.89	5.33	-0.44	4.26	6.13	-1.87	4.34	4.87	-0.53
Tamil Nadu	5.84	N/A	NA	N/A	N/A	NA	N/A	N/A	NA
TANGEDCO	5.84	N/A	NA	N/A	N/A	NA	N/A	N/A	NA
Telangana	6.02	N/A	NA	--	N/A	NA	--	N/A	NA
TSNPDCL	6.29	N/A	NA	--	N/A	NA	--	N/A	NA
TSSPDCL	5.90	N/A	NA	--	N/A	NA	--	N/A	NA
Tripura	4.89	N/A	NA	4.89	N/A	NA	5.00	N/A	NA
TSECL	4.89	N/A	NA	4.89	N/A	NA	5.00	N/A	NA
Uttar Pradesh	6.17	6.03	0.14	7.35	6.98	0.37	7.05	N/A	NA
DVVNL	6.69	6.59	0.10	7.24	7.03	0.21	6.81	N/A	NA
KESCO	5.11	4.89	0.22	7.07	6.86	0.21	7.77	N/A	NA
MVVNL	6.98	7.11	-0.13	7.72	6.93	0.79	7.23	N/A	NA
PaVVNL	5.21	5.03	0.18	6.99	6.79	0.20	7.00	N/A	NA
PuVVNL	6.46	6.23	0.23	7.66	7.23	0.43	7.08	N/A	NA
Uttarakhand	5.05	4.89	0.16	5.28	5.94	-0.66	5.53	5.48	0.05
UPCL	5.05	4.89	0.16	5.28	5.94	-0.66	5.53	5.48	0.05
West Bengal	6.75	N/A	NA	6.87	N/A	NA	6.98	N/A	NA
WBSEDCL	6.75	N/A	NA	6.87	N/A	NA	6.98	N/A	NA

Difference in Approved and Actual Average Cost of Supply

(Figures in Rs/kWh)

Difference b/w Approved and Actual Average Cost of Supply		2018-19		2019-20		2020-21	
	+VE	Assam Bihar Chhattisgarh Daman & Diu Delhi Himachal Pradesh Jharkhand	Madhya Pradesh Maharashtra Manipur Meghalaya Punjab Uttar Pradesh Uttarakhand	Chandigarh Meghalaya Punjab Rajasthan Uttar Pradesh		Dadra & Nagar Haveli Haryana Himachal Pradesh Puducherry Punjab Uttarakhand	
	-VE	Andaman & Nicobar Andhra Pradesh Chandigarh Dadra & Nagar Haveli Gujarat Haryana Karnataka Kerala Lakshadweep	Mizoram Puducherry Rajasthan Sikkim	Andaman & Nicobar Assam Bihar Chhattisgarh Dadra & Nagar Haveli Daman & Diu Delhi Gujarat Haryana Himachal Pradesh	Karnataka Kerala Madhya Pradesh Maharashtra Manipur Mizoram Puducherry Sikkim Uttarakhand	Andaman & Nicobar Andhra Pradesh Assam Bihar Chhattisgarh Daman & Diu Gujarat Karnataka Kerala Madhya Pradesh	Manipur Mizoram Sikkim



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	01-Jun-21	2021-22	Andaman & Nicobar*	2.25	0.20	0.00	2.45		2.45
2	01-Apr-22	2022-23	Andhra Pradesh*	3.05	0.30	0.06	3.41		3.41
3	01-Jun-18	2018-19	Arunachal Pradesh*	4.00	0.00	0.00	4.00		4.00
4	01-Apr-22	2022-23	Assam	5.30	1.80	0.20	7.30		7.30
5	01-Apr-22	2022-23	Bihar ¹	6.25	0.60	0.38	7.23		7.23
6	01-Apr-21	2021-22	Chandigarh	2.50	0.30	0.09	2.89		2.89
7	01-Apr-22	2022-23	Chhattisgarh*	3.70	0.60	0.30	4.60		4.60
8	01-Apr-22	2022-23	Dadra & Nagar Haveli	1.95	0.30	0.00	2.25		2.25
9	01-Apr-22	2022-23	Daman & Diu	1.40	0.20	0.00	1.60		1.60
10	01-Oct-21	2021-22	Delhi	3.00	1.50	0.15	4.65		4.65
11	01-Apr-22	2022-23	Goa*	1.60	0.60	0.20	2.40		2.40
12	01-Apr-22	2022-23	Gujarat	3.28	0.25	0.49	4.02		4.02
13	01-Apr-22	2022-23	Haryana*	2.25	0.00	0.10	2.35		2.35
14	01-Apr-22	2022-23	Himachal Pradesh*	4.15	0.85	0.12	5.12	2.30	2.82
15	01-Oct-16	2016-17	J&K and Ladakh*	1.69	0.17	0.17	2.03		2.03
16	01-Oct-20	2020-21	Jharkhand	6.25	0.75	0.20	7.20		7.20
17	01-Apr-22	2022-23	Karnataka*	4.88	3.20	0.29	8.37		8.37
18	25-Jun-22	2022-23	Kerala	3.55	0.90	0.36	4.81		4.81
19	01-Apr-22	2022-23	Lakshadweep*	1.60	0.60	0.00	2.20		2.20
20	01-Apr-22	2022-23	Madhya Pradesh	4.69	0.55	0.42	5.66		5.66
21	01-Apr-22	2022-23	Maharashtra	4.71	1.05	0.75	6.51		6.51
22	01-Apr-22	2022-23	Manipur*	5.10	1.95	0.00	7.05		7.05
23	01-Apr-22	2022-23	Meghalaya	4.10	1.80	0.05	5.95		5.95
24	01-Apr-22	2022-23	Mizoram*	4.90	1.50	0.00	6.40		6.40
25	01-Apr-20	2020-21	Nagaland*	5.23	0.10	0.00	5.33		5.33
26	01-Apr-22	2022-23	Odisha	3.90	0.60	0.16	4.66		4.66

Representative Tariffs

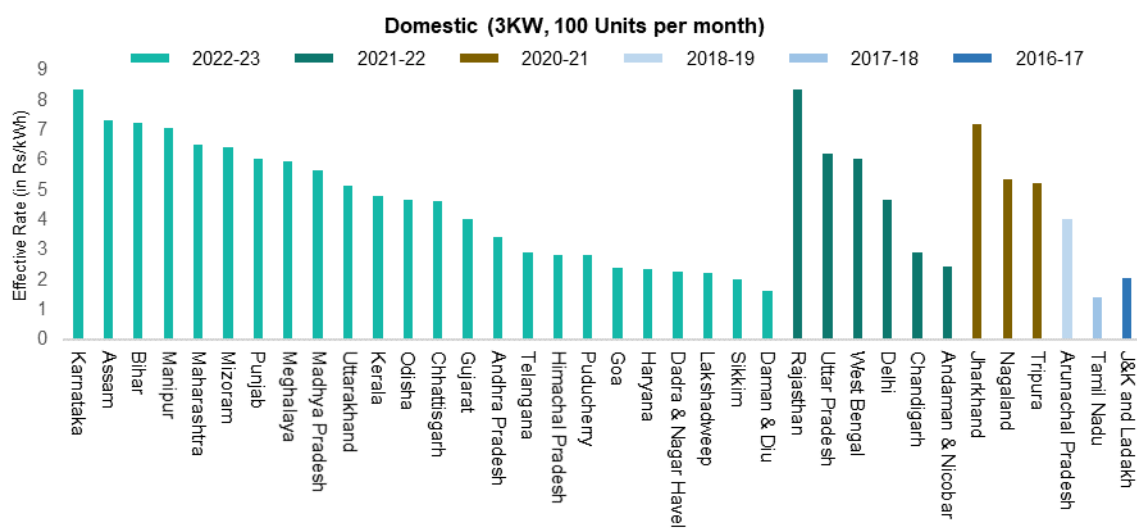
(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Domestic (3KW, 100 Units per month)						
			State	Energy Charges	Fixed Charges	Electrical Duty	Total	Govt Subsidy	Effective Rate
27	01-Apr-22	2022-23	Puducherry	1.90	0.90	0.00	2.80		2.80
28	01-Apr-22	2022-23	Punjab*	3.74	1.80	0.49	6.03		6.03
29	01-Apr-21	2021-22	Rajasthan	5.63	2.30	0.40	8.33		8.33
30	01-Apr-22	2022-23	Sikkim	1.50	0.50	0.00	2.00		2.00
31	11-Aug-17	2017-18	Tamil Nadu*	2.50	0.15	0.00	2.65	1.25	1.40
32	01-Apr-22	2022-23	Telangana*	2.53	0.30	0.06	2.89		2.89
33	01-Sep-20	2020-21	Tripura*	4.82	0.40	0.00	5.22		5.22
34	01-Apr-21	2021-22	Uttar Pradesh*	3.35	2.70	0.17	6.22		6.22
35	01-Apr-22	2022-23	Uttarakhand	2.90	2.10	0.15	5.15		5.15
36	01-Apr-21	2021-22	West Bengal	5.49	0.54	0.00	6.03		6.03

Notes:

[*] The state has provided subsidy in bulk and subsidy has been included in the energy charges

[1] BERG has approved the retail tariff for 2022-23 without considering Government Subsidy as direct subsidy is expected to be announced by the Government of Bihar.



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	01-Jun-21	2021-22	Andaman & Nicobar	5.77	0.04	0.00	5.81		5.81
2	01-Apr-22	2022-23	Andhra Pradesh*	7.05	0.06	0.00	7.11		7.11
3	01-Jun-18	2018-19	Arunachal Pradesh*	4.00	0.00	0.00	4.00		4.00
4	01-Apr-22	2022-23	Assam	6.81	0.36	0.20	7.37		7.37
5	01-Apr-22	2022-23	Bihar ¹	6.61	0.12	0.40	7.13		7.13
6	01-Apr-21	2021-22	Chandigarh	3.81	0.06	0.09	3.96		3.96
7	01-Apr-22	2022-23	Chhattisgarh*	4.90	0.12	0.39	5.41		5.41
8	01-Apr-22	2022-23	Dadra & Nagar Haveli*	2.65	0.06	0.00	2.71		2.71
9	01-Apr-22	2022-23	Daman & Diu	2.28	0.04	0.00	2.32		2.32
10	01-Oct-21	2021-22	Delhi	4.30	0.30	0.22	4.82		4.82
11	01-Apr-22	2022-23	Goa*	3.06	0.12	0.20	3.38		3.38
12	01-Apr-22	2022-23	Gujarat	4.50	0.05	0.68	5.23		5.23
13	01-Apr-22	2022-23	Haryana*	5.03	0.00	0.10	5.13		5.13
14	01-Apr-22	2022-23	Himachal Pradesh*	5.07	0.17	0.15	5.39	1.22	4.17
15	01-Oct-16	2016-17	J&K and Ladakh*	2.80	0.03	0.28	3.11		3.11
16	01-Oct-20	2020-21	Jharkhand	6.25	0.15	0.24	6.64		6.64
17	01-Apr-22	2022-23	Karnataka*	7.33	0.64	0.44	8.40		8.40
18	25-Jun-22	2022-23	Kerala	7.60	0.40	0.76	8.76		8.76
19	01-Apr-22	2022-23	Lakshadweep*	4.88	0.12	0.00	5.00		5.00
20	01-Apr-22	2022-23	Madhya Pradesh	6.12	1.56	0.73	8.41		8.41
21	01-Apr-22	2022-23	Maharashtra	9.11	0.21	1.46	10.77		10.77
22	01-Apr-22	2022-23	Manipur*	6.26	0.39	0.00	6.65		6.65
23	01-Apr-22	2022-23	Meghalaya	5.38	0.36	0.05	5.79		5.79
24	01-Apr-22	2022-23	Mizoram*	7.32	0.30	0.00	7.62		7.62
25	01-Apr-20	2020-21	Nagaland*	6.35	0.02	0.00	6.37		6.37
26	01-Apr-22	2022-23	Odisha	5.30	0.12	0.21	5.63		5.63
27	01-Apr-22	2022-23	Puducherry	4.54	0.18	0.00	4.72		4.72

Representative Tariffs

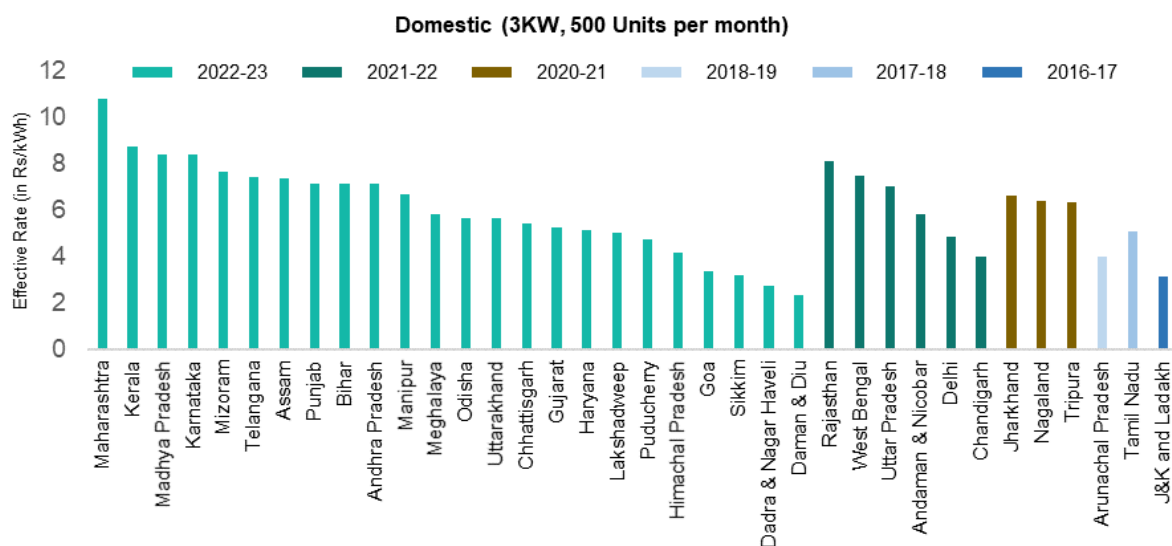
(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Domestic (3KW, 500 Units per month)						
			State	Energy Charges	Fixed Charges	Electrical Duty	Total	Govt Subsidy	Effective Rate
28	01-Apr-22	2022-23	Punjab*	6.00	0.36	0.78	7.14		7.14
29	01-Apr-21	2021-22	Rajasthan	7.04	0.69	0.40	8.13		8.13
30	01-Apr-22	2022-23	Sikkim	3.10	0.10	0.00	3.20		3.20
31	11-Aug-17	2017-18	Tamil Nadu*	5.28	0.05	0.00	5.33	0.25	5.08
32	01-Apr-22	2022-23	Telangana*	7.28	0.06	0.06	7.40		7.40
33	01-Sep-20	2020-21	Tripura*	6.24	0.10	0.00	6.34		6.34
34	01-Apr-21	2021-22	Uttar Pradesh*	6.05	0.66	0.30	7.01		7.01
35	01-Apr-22	2022-23	Uttarakhand	5.05	0.42	0.15	5.62		5.62
36	01-Apr-21	2021-22	West Bengal	6.72	0.11	0.67	7.50		7.50

Notes:

[*] The state has provided subsidy in bulk and subsidy has been included in the energy charges

[1] BERC has approved the retail tariff for 2022-23 without considering Government Subsidy as direct subsidy is expected to be announced by the Government of Bihar.



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	Effective Rate
1	01-Jun-21	2021-22	Andaman & Nicobar	8.70	0.06	0.00	8.76
2	01-Apr-22	2022-23	Andhra Pradesh	8.77	0.75	0.06	9.58
3	01-Jun-18	2018-19	Arunachal Pradesh	5.00	0.00	0.00	5.00
4	01-Apr-22	2022-23	Assam	7.60	1.40	0.20	9.20
5	01-Apr-22	2022-23	Bihar ¹	7.08	1.80	0.42	9.30
6	01-Apr-21	2021-22	Chandigarh	4.70	0.20	0.11	5.01
7	01-Apr-22	2022-23	Chhattisgarh	6.93	0.50	0.83	8.26
8	01-Apr-22	2022-23	Dadra & Nagar Haveli	4.15	0.20	0.00	4.35
9	01-Apr-22	2022-23	Daman & Diu	3.84	0.05	0.00	3.89
10	01-Oct-21	2021-22	Delhi	8.50	2.50	0.43	11.43
11	01-Apr-22	2022-23	Goa	4.57	0.40	0.70	5.67
12	01-Apr-22	2022-23	Gujarat	4.35	0.50	0.65	5.50
13	01-Apr-22	2022-23	Haryana	7.05	0.00	0.10	7.15
14	01-Apr-22	2022-23	Himachal Pradesh*	5.10	0.29	0.41	5.80
15	01-Oct-16	2016-17	J&K and Ladakh	3.86	0.42	0.39	4.67
16	01-Oct-20	2020-21	Jharkhand	6.00	1.00	0.30	7.30
17	01-Apr-22	2022-23	Karnataka	9.30	1.25	0.56	11.11
18	25-Jun-22	2022-23	Kerala	8.15	1.60	0.82	10.57
19	01-Apr-22	2022-23	Lakshadweep	9.04	0.30	0.00	9.34
20	01-Apr-22	2022-23	Madhya Pradesh	6.50	1.56	0.39	8.45
21	01-Apr-22	2022-23	Maharashtra	8.42	0.85	1.77	11.04
22	01-Apr-22	2022-23	Manipur	7.35	0.85	0.00	8.20
23	01-Apr-22	2022-23	Meghalaya	7.30	1.20	0.06	8.56
24	01-Apr-22	2022-23	Mizoram	8.38	0.80	0.00	9.18
25	01-Apr-20	2020-21	Nagaland	8.43	0.03	0.00	8.46
26	01-Apr-22	2022-23	Odisha	7.02	0.30	0.28	7.60
27	01-Apr-22	2022-23	Puducherry	6.92	0.75	0.00	7.67

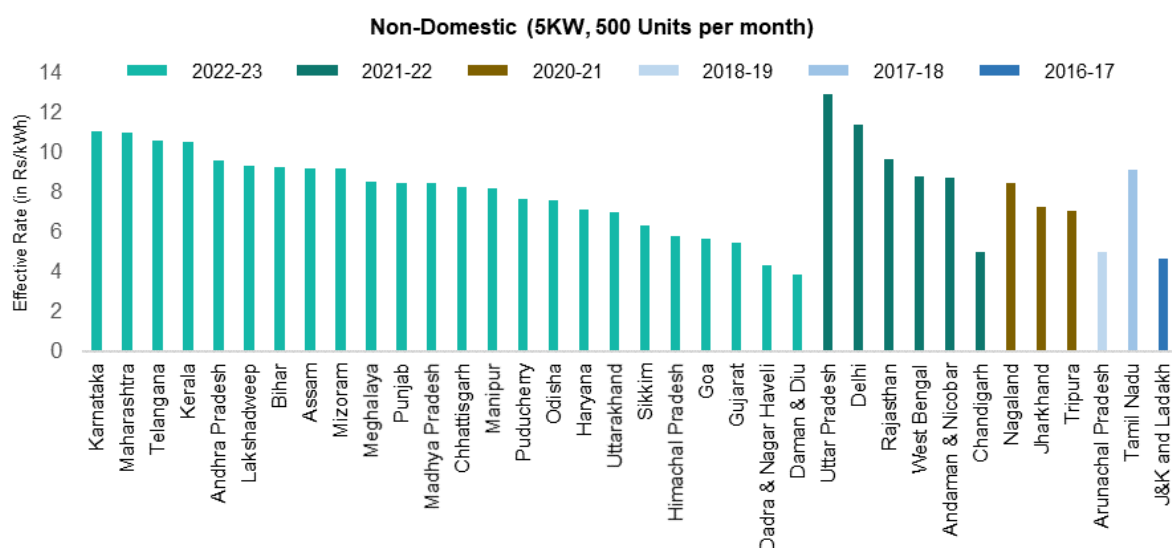
Representative Tariffs

(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Non-Domestic (5KW, 500 Units per month)				
			State	Energy Charges	Fixed Charges	Electrical Duty	Effective Rate
28	01-Apr-22	2022-23	Punjab	7.12	0.45	0.93	8.49
29	01-Apr-21	2021-22	Rajasthan	8.52	0.76	0.40	9.68
30	01-Apr-22	2022-23	Sikkim	5.36	1.00	0.00	6.36
31	11-Aug-17	2017-18	Tamil Nadu	8.05	0.70	0.40	9.15
32	01-Apr-22	2022-23	Telangana	9.82	0.70	0.06	10.58
33	01-Sep-20	2020-21	Tripura	6.93	0.12	0.00	7.05
34	01-Apr-21	2021-22	Uttar Pradesh	7.86	4.50	0.59	12.95
35	01-Apr-22	2022-23	Uttarakhand	5.90	0.95	0.15	7.00
36	01-Apr-21	2021-22	West Bengal	7.48	0.36	0.94	8.78

[*] The state has provided subsidy in bulk and subsidy has been included in the energy charges

[1] BERC has approved the retail tariff for 2022-23 without considering Government Subsidy as direct subsidy is expected to be announced by the Government of Bihar



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	Electrical Duty	Total	Govt Subsidy	Effective Rate
1	01-Jun-21	2021-22	Andaman & Nicobar*	1.60	0.46	0.00	2.06	-	2.06
2	01-Apr-22	2022-23	Andhra Pradesh*	0.00	0.00	0.00	0.00	-	0.00
3	01-Jun-18	2018-19	Arunachal Pradesh*	3.10	0.00	0.00	3.10	-	3.10
4	01-Apr-22	2022-23	Assam	4.65	0.50	0.20	5.35	-	5.35
5	01-Apr-22	2022-23	Bihar ¹	5.55	0.37	0.04	5.96	-	5.96
6	01-Apr-21	2021-22	Chandigarh	2.60	0.00	0.00	2.60	-	2.60
7	01-Apr-22	2022-23	Chhattisgarh*	5.05	1.22	0.00	6.27	-	6.27
8	01-Apr-22	2022-23	Dadra & Nagar Haveli	0.90	0.00	0.00	0.90	-	0.90
9	01-Apr-22	2022-23	Daman & Diu	0.75	0.00	0.00	0.75	-	0.75
10	01-Oct-21	2021-22	Delhi	1.50	1.15	0.08	2.73	-	2.73
11	01-Apr-22	2022-23	Goa*	1.50	0.22	0.20	1.92	-	1.92
12	01-Apr-22	2022-23	Gujarat*	0.60	0.24	0.00	0.84	-	0.84
13	01-Apr-22	2022-23	Haryana*	6.67	0.00	0.00	6.67	-	6.67
14	01-Apr-22	2022-23	Himachal Pradesh*	3.90	0.13	0.39	4.42	3.60	0.82
15	01-Oct-16	2016-17	J&K and Ladakh*	0.66	0.18	0.07	0.91	-	0.91
16	01-Oct-20	2020-21	Jharkhand	5.00	0.24	0.02	5.26	-	5.26
17	01-Apr-22	2022-23	Karnataka	4.55	0.00	0.00	4.55	4.55	0.00
18	25-Jun-22	2022-23	Kerala	2.30	0.14	0.23	2.67	-	2.67
19	01-Apr-22	2022-23	Lakshadweep	-	-	-	-	-	0.00
20	01-Apr-22	2022-23	Madhya Pradesh	5.46	0.99	0.00	6.46	-	6.46
21	01-Apr-22	2022-23	Maharashtra	3.30	0.53	0.00	3.83	-	3.83
22	01-Apr-22	2022-23	Manipur*	4.55	0.60	0.00	5.15	-	5.15
23	01-Apr-22	2022-23	Meghalaya	3.00	1.01	0.06	4.07	-	4.07
24	01-Apr-22	2022-23	Mizoram*	3.80	0.46	0.00	4.26	-	4.26
25	01-Apr-20	2020-21	Nagaland*	3.10	0.00	0.00	3.10	-	3.10
26	01-Apr-22	2022-23	Odisha	1.50	0.11	0.03	1.64	0.10	1.54
27	01-Apr-22	2022-23	Puducherry	0.00	0.24	0.00	0.24	-	0.24

Representative Tariffs

(Figures in Rs/kWh)

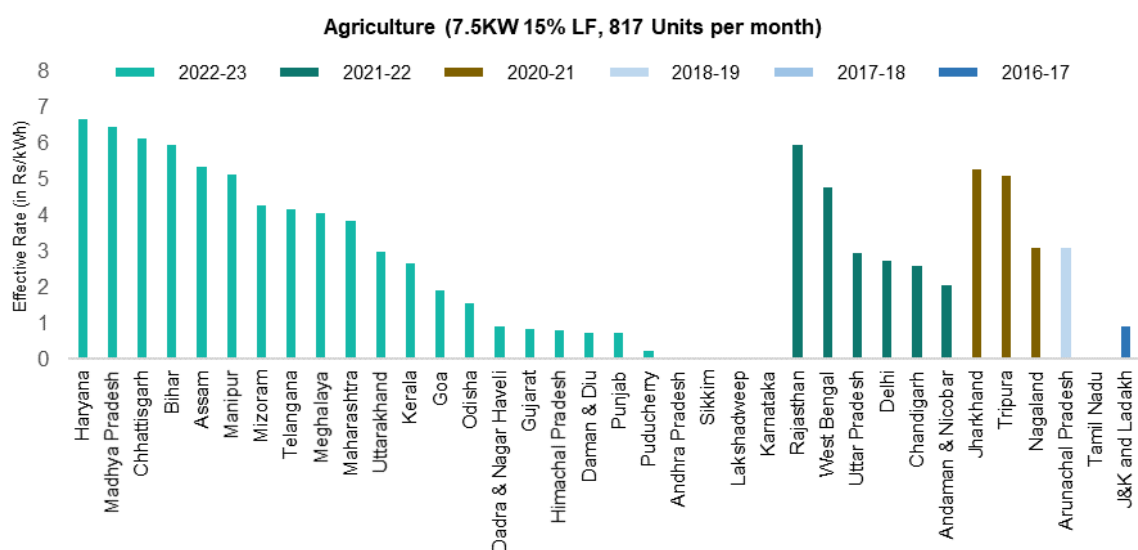
#	Tariff Applicable from	Applicable Period	Agriculture (7.5KW 15% LF, 817 Units per month)						
			State	Energy Charge	Fixed Charge	Electrical Duty	Total	Govt Subsidy	Effective Rate
28	01-Apr-22	2022-23	Punjab	5.66	0.00	0.74	5.66	5.66	0.74
29	01-Apr-21	2021-22	Rajasthan	5.55	0.37	0.04	5.96	-	5.96
30	01-Apr-22	2022-23	Sikkim	-	-	-	-	-	0.00
31	11-Aug-17	2017-18	Tamil Nadu	3.22	0.00	0.00	3.22	3.22	0.00
32	01-Apr-22	2022-23	Telangana*	4.00	0.18	0.00	4.18	-	4.18
33	01-Sep-20	2020-21	Tripura*	4.55	0.55	0.00	5.10	-	5.10
34	01-Apr-21	2021-22	Uttar Pradesh*	2.00	0.86	0.15	3.01	-	3.01
35	01-Apr-22	2022-23	Uttarakhand	2.85	0.00	0.15	3.00	-	3.00
36	01-Apr-21	2021-22	West Bengal	4.54	0.22	0.00	4.76	-	4.76

Notes:

[*] The state has provided subsidy in bulk and subsidy has been included in the energy charges

[1] BERC has approved the retail tariff for 2022-23 without considering Government Subsidy as direct subsidy is expected to be announced by the Government of Bihar

There is no Agricultural category in Sikkim and Lakshadweep



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	Effective Rate
1	01-Jun-21	2021-22	Andaman & Nicobar	7.97	0.34	0.00	8.32
2	01-Apr-22	2022-23	Andhra Pradesh	6.70	0.51	0.06	7.27
3	01-Jun-18	2018-19	Arunachal Pradesh	3.85	0.00	0.00	3.85
4	01-Apr-22	2022-23	Assam	5.40	0.48	0.20	6.08
5	01-Apr-22	2022-23	Bihar ¹	6.40	1.18	0.38	7.97
6	01-Apr-21	2021-22	Chandigarh	4.30	0.21	0.11	4.62
7	01-Apr-22	2022-23	Chhattisgarh	5.15	0.82	0.15	6.13
8	01-Apr-22	2022-23	Dadra & Nagar Haveli	3.65	0.27	0.00	3.92
9	01-Apr-22	2022-23	Daman & Diu	3.60	0.37	0.00	3.97
10	01-Oct-21	2021-22	Delhi	7.75	1.71	0.39	9.85
11	01-Apr-22	2022-23	Goa	3.76	0.37	0.70	4.83
12	01-Apr-22	2022-23	Gujarat	4.35	0.34	0.44	5.13
13	01-Apr-22	2022-23	Haryana	7.05	0.00	0.10	7.15
14	01-Apr-22	2022-23	Himachal Pradesh*	4.75	0.11	0.24	5.09
15	01-Oct-16	2016-17	J&K and Ladakh	3.30	0.34	0.33	3.97
16	01-Oct-20	2020-21	Jharkhand	5.75	0.68	0.05	6.48
17	01-Apr-22	2022-23	Karnataka	6.90	0.91	0.41	8.23
18	25-Jun-22	2022-23	Kerala	5.80	0.08	0.58	6.46
19	01-Apr-22	2022-23	Lakshadweep	6.50	0.41	0.00	6.91
20	01-Apr-22	2022-23	Madhya Pradesh	6.60	2.19	0.59	9.39
21	01-Apr-22	2022-23	Maharashtra	6.46	0.33	0.60	7.39
22	01-Apr-22	2022-23	Manipur	5.60	0.48	0.00	6.08
23	01-Apr-22	2022-23	Meghalaya	6.50	0.99	0.05	7.54
24	01-Apr-22	2022-23	Mizoram	7.79	0.55	0.00	8.34
25	01-Apr-20	2020-21	Nagaland	6.33	0.01	0.00	6.34
26	01-Apr-22	2022-23	Odisha	6.20	0.27	0.31	6.78
27	01-Apr-22	2022-23	Puducherry	6.05	0.34	0.00	6.39

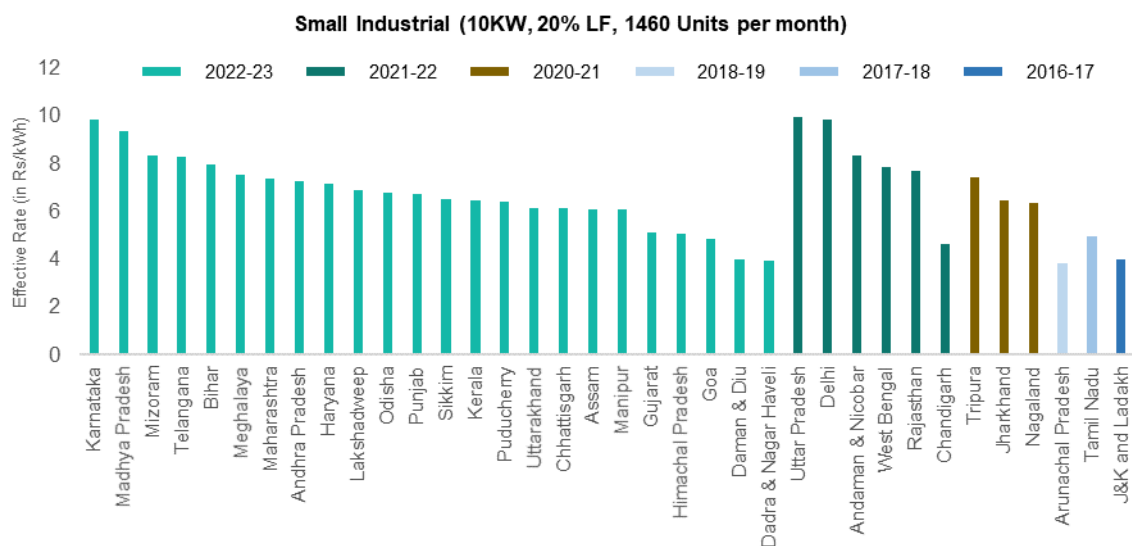
Representative Tariffs

(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	Effective Rate
28	01-Apr-22	2022-23	Punjab	5.37	0.66	0.70	6.73
29	01-Apr-21	2021-22	Rajasthan	6.30	1.00	0.40	7.70
30	01-Apr-22	2022-23	Sikkim	6.19	0.34	0.00	6.53
31	11-Aug-17	2017-18	Tamil Nadu	4.60	0.14	0.23	4.97
32	01-Apr-22	2022-23	Telangana	7.70	0.51	0.06	8.27
33	01-Sep-20	2020-21	Tripura	7.10	0.31	0.00	7.41
34	01-Apr-21	2021-22	Uttar Pradesh	7.40	1.99	0.56	9.94
35	01-Apr-22	2022-23	Uttarakhand	4.80	1.13	0.20	6.13
36	01-Apr-21	2021-22	West Bengal	7.25	0.41	0.18	7.84

[*] The state has provided subsidy in bulk and subsidy has been included in the energy charges

[¹] BERC has approved the retail tariff for 2022-23 without considering Government Subsidy as direct subsidy is expected to be announced by the Government of Bihar



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	Effective Rate
1	01-Jun-21	2021-22	Andaman & Nicobar	8.86	0.23	0.00	9.09
2	01-Apr-22	2022-23	Andhra Pradesh	6.70	0.34	0.06	7.10
3	01-Jun-18	2018-19	Arunachal Pradesh	3.50	0.00	0.00	3.50
4	01-Apr-22	2022-23	Assam	6.25	1.04	0.20	7.49
5	01-Apr-22	2022-23	Bihar ¹	6.40	0.99	0.38	7.77
6	01-Apr-21	2021-22	Chandigarh	4.20	0.91	0.11	5.22
7	01-Apr-22	2022-23	Chhattisgarh	5.90	0.68	0.18	6.76
8	01-Apr-22	2022-23	Dadra & Nagar Haveli	3.85	0.49	0.00	4.34
9	01-Apr-22	2022-23	Daman & Diu	3.60	0.24	0.00	3.84
10	01-Oct-21	2021-22	Delhi	7.75	1.14	0.39	9.28
11	01-Apr-22	2022-23	Goa	3.95	0.24	0.70	4.89
12	01-Apr-22	2022-23	Gujarat	4.60	0.45	0.46	5.51
13	01-Apr-22	2022-23	Haryana	6.40	0.58	0.10	7.08
14	01-Apr-22	2022-23	Himachal Pradesh*	4.60	0.66	0.51	5.76
15	01-Oct-16	2016-17	J&K and Ladakh	3.09	0.21	0.31	3.61
16	01-Oct-20	2020-21	Jharkhand	5.75	0.46	0.05	6.26
17	01-Apr-22	2022-23	Karnataka	7.50	1.26	0.45	9.21
18	25-Jun-22	2022-23	Kerala	5.85	0.02	0.10	5.97
19	01-Apr-22	2022-23	Lakshadweep	6.50	0.27	0.00	6.77
20	01-Apr-22	2022-23	Madhya Pradesh	6.60	1.46	0.59	8.66
21	01-Apr-22	2022-23	Maharashtra	7.40	1.47	0.69	9.55
22	01-Apr-22	2022-23	Manipur	8.00	0.58	0.00	8.58
23	01-Apr-22	2022-23	Meghalaya	6.50	0.66	0.05	7.21
24	01-Apr-22	2022-23	Mizoram	8.02	0.37	0.00	8.38
25	01-Apr-20	2020-21	Nagaland	6.91	0.00	0.00	6.91
26	01-Apr-22	2022-23	Odisha	6.20	0.37	0.31	6.88
27	01-Apr-22	2022-23	Puducherry	5.30	2.30	0.00	7.60

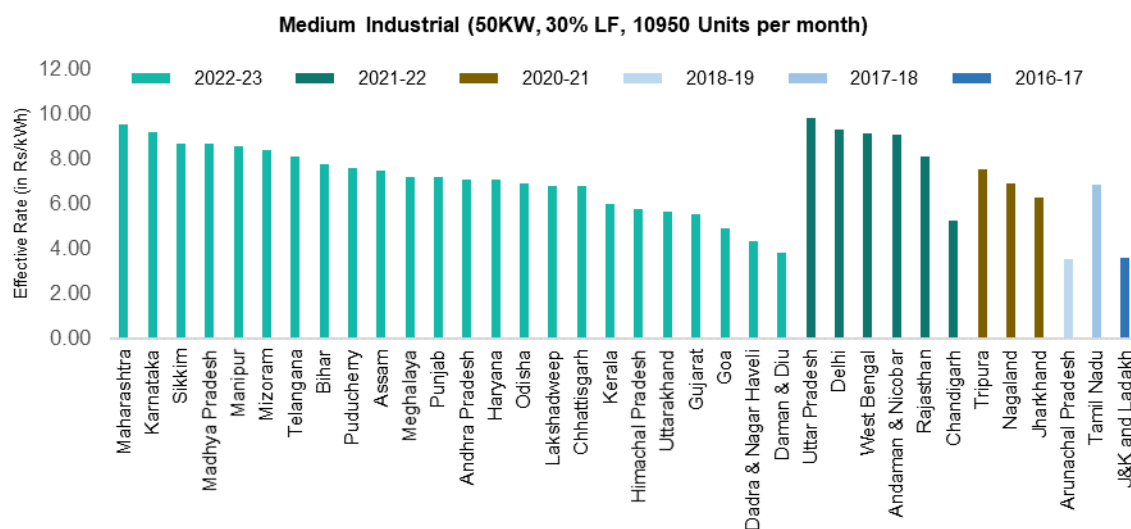
Representative Tariffs

(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	Effective Rate
28	01-Apr-22	2022-23	Punjab	5.80	0.66	0.75	7.21
29	01-Apr-21	2021-22	Rajasthan	7.00	0.70	0.40	8.10
30	01-Apr-22	2022-23	Sikkim	7.02	1.64	0.00	8.67
31	11-Aug-17	2017-18	Tamil Nadu	6.35	0.16	0.32	6.83
32	01-Apr-22	2022-23	Telangana	7.70	0.34	0.06	8.10
33	01-Sep-20	2020-21	Tripura	7.24	0.27	0.00	7.51
34	01-Apr-21	2021-22	Uttar Pradesh	7.90	1.32	0.59	9.82
35	01-Apr-22	2022-23	Uttarakhand	4.50	0.93	0.20	5.63
36	01-Apr-21	2021-22	West Bengal	7.87	0.27	0.98	9.13

[*] The state has provided subsidy in bulk and subsidy has been included in the energy charges

[¹] BERC has approved the retail tariff for 2022-23 without considering Government Subsidy as direct subsidy is expected to be announced by the Government of Bihar



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	Effective Rate
1	01-Jun-21	2021-22	Andaman & Nicobar	9.00	0.14	0.00	9.13
2	01-Apr-22	2022-23	Andhra Pradesh	6.30	1.30	0.06	7.66
3	01-Jun-18	2018-19	Arunachal Pradesh	3.35	0.00	0.00	3.35
4	01-Apr-22	2022-23	Assam	6.65	0.89	0.20	7.74
5	01-Apr-22	2022-23	Bihar	6.55	0.99	0.39	7.93
6	01-Apr-21	2021-22	Chandigarh	4.50	0.55	0.11	5.16
7	01-Apr-22	2022-23	Chhattisgarh	7.25	1.03	1.45	9.73
8	01-Apr-22	2022-23	Dadra & Nagar Haveli	4.30	1.32	0.00	5.62
9	01-Apr-22	2022-23	Daman & Diu	4.20	1.04	0.00	5.24
10	01-Oct-21	2021-22	Delhi	7.75	0.68	0.39	8.82
11	01-Apr-22	2022-23	Goa	4.80	0.82	0.70	6.32
12	01-Apr-22	2022-23	Gujarat	4.20	0.82	0.63	5.65
13	01-Apr-22	2022-23	Haryana	6.55	0.54	0.10	7.19
14	01-Apr-22	2022-23	Himachal Pradesh	4.35	1.32	0.48	6.14
15	01-Oct-16	2016-17	J&K and Ladakh	2.95	0.37	0.30	3.62
16	01-Oct-20	2020-21	Jharkhand	5.50	0.96	0.05	6.51
17	01-Apr-22	2022-23	Karnataka	7.72	0.75	0.46	8.93
18	25-Jun-22	2022-23	Kerala	6.10	1.07	0.10	7.27
19	01-Apr-22	2022-23	Lakshadweep	9.20	0.49	0.00	9.69
20	01-Apr-22	2022-23	Madhya Pradesh	7.20	1.22	1.08	9.50
21	01-Apr-22	2022-23	Maharashtra	7.44	1.49	0.69	9.62
22	01-Apr-22	2022-23	Manipur	9.10	0.35	0.00	9.45
23	01-Apr-22	2022-23	Meghalaya	7.04	0.76	0.03	7.83
24	01-Apr-22	2022-23	Mizoram	9.05	0.26	0.00	9.31
25	01-Apr-20	2020-21	Nagaland	7.29	0.00	0.00	7.29
26	01-Apr-22	2022-23	Odisha	5.85	0.82	0.47	7.14
27	01-Apr-22	2022-23	Puducherry	5.30	1.38	0.00	6.68

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	Effective Rate
28	01-Apr-22	2022-23	Punjab	6.15	0.81	0.80	7.75
29	01-Apr-21	2021-22	Rajasthan	7.30	0.74	0.40	8.44
30	01-Apr-22	2022-23	Sikkim	6.55	1.43	0.00	7.98
31	11-Aug-17	2017-18	Tamil Nadu	6.35	0.96	0.24	7.55
32	01-Apr-22	2022-23	Telangana	7.65	1.56	0.06	9.27
33	01-Sep-20	2020-21	Tripura	7.25	0.21	0.00	7.46
34	01-Apr-21	2021-22	Uttar Pradesh	7.10	0.82	0.53	8.45
35	01-Apr-22	2022-23	Uttarakhand	5.04	1.41	0.50	6.95
36	01-Apr-21	2021-22	West Bengal	7.42	1.26	0.93	9.61

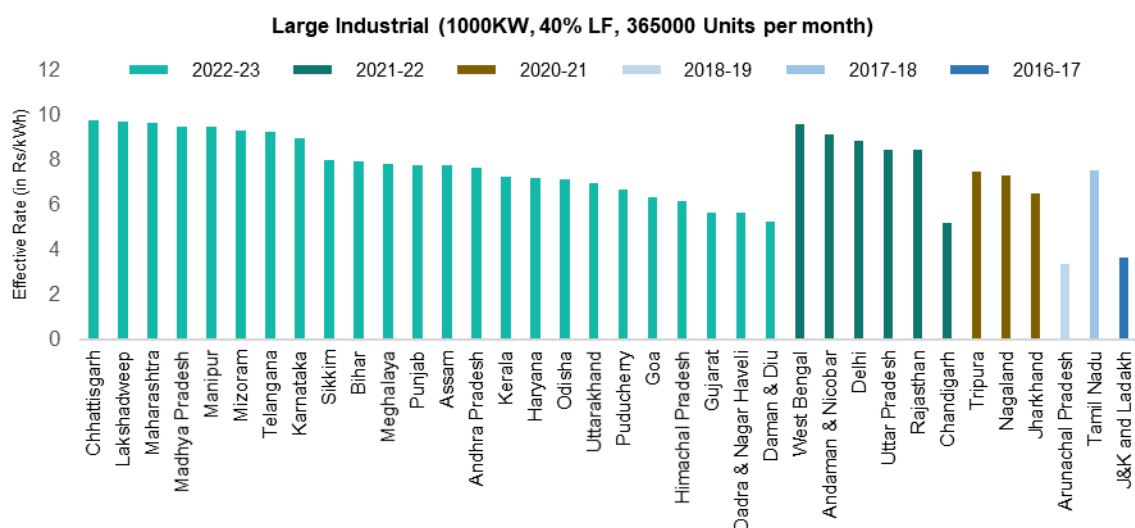
Assumptions

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)

State-wise comparison of representative tariffs between various consumer categories

#	Applicable Period	State	Effective Rate						
			Domestic (3KW, 100 Units per month)	Domestic (3KW, 500 Units per month)	Non-Domestic (5KW, 500 Units per month)	Agriculture (7.5KW, 15% LF, 817 Units per month)	Small Industrial (10KW, 20% LF, 1460 Units per month)	Medium Industrial (50KW, 30% LF, 10950 Units per month)	Large Industrial (1000KW, 40% LF, 365000 Units per month)
1	2021-22	Andaman & Nicobar*	2.45	5.81	8.76	2.06	8.32	9.09	9.13
2	2022-23	Andhra Pradesh*	3.41	7.11	9.58	0.00	7.27	7.10	7.66
3	2018-19	Arunachal Pradesh*	4.00	4.00	5.00	3.10	3.85	3.50	3.35
4	2022-23	Assam	7.30	7.37	9.20	5.35	6.08	7.49	7.74
5	2022-23	Bihar ¹	7.23	7.13	9.30	5.96	7.97	7.77	7.93
6	2021-22	Chandigarh	2.89	3.96	5.01	2.60	4.62	5.22	5.16
7	2022-23	Chhattisgarh*	4.60	5.41	8.26	6.27	6.13	6.76	9.73
8	2022-23	Dadra & Nagar Haveli	2.25	2.71	4.35	0.90	3.92	4.34	5.62
9	2022-23	Daman & Diu	1.60	2.32	3.89	0.75	3.97	3.84	5.24
10	2021-22	Delhi	4.65	4.82	11.43	2.73	9.85	9.28	8.82
11	2022-23	Goa*	2.40	3.38	5.67	1.92	4.83	4.89	6.32
12	2022-23	Gujarat	4.02	5.23	5.50	0.84	5.13	5.51	5.65
13	2022-23	Haryana*	2.35	5.13	7.15	6.67	7.15	7.08	7.19
14	2022-23	Himachal Pradesh*	2.82	4.17	5.80	0.82	5.09	5.76	6.14
15	2016-17	J&K and Ladakh*	2.03	3.11	4.67	0.91	3.97	3.61	3.62
16	2020-21	Jharkhand	7.20	6.64	7.30	5.26	6.48	6.26	6.51
17	2022-23	Karnataka*	8.37	8.40	11.11	0.00	8.23	9.21	8.93
18	2022-23	Kerala	4.81	8.76	10.57	2.67	6.46	5.97	7.27
19	2022-23	Lakshadweep*	2.20	5.00	9.34	0.00	6.91	6.77	9.69
20	2022-23	Madhya Pradesh	5.66	8.41	8.45	6.46	9.39	8.66	9.50

Representative Tariffs

(Figures in Rs/kWh)

#	Applicable Period	State	Effective Rate						
			Domestic (3KW, 100 Units per month)	Domestic (3KW, 500 Units per month)	Non-Domestic (5KW, 500 Units per month)	Agriculture (7.5KW, 15% LF, 817 Units per month)	Small Industrial (10KW, 20% LF, 1460 Units per month)	Medium Industrial (50KW, 30% LF, 10950 Units per month)	Large Industrial (1000KW, 40% LF, 365000 Units per month)
21	2022-23	Maharashtra	6.51	10.77	11.04	3.83	7.39	9.55	9.62
22	2022-23	Manipur*	7.05	6.65	8.20	5.15	6.08	8.58	9.45
23	2022-23	Meghalaya	5.95	5.79	8.56	4.07	7.54	7.21	7.83
24	2022-23	Mizoram*	6.40	7.62	9.18	4.26	8.34	8.38	9.31
25	2020-21	Nagaland*	5.33	6.37	8.46	3.10	6.34	6.91	7.29
26	2022-23	Odisha	4.66	5.63	7.60	1.54	6.78	6.88	7.14
27	2022-23	Puducherry	2.80	4.72	7.67	0.24	6.39	7.60	6.68
28	2022-23	Punjab*	6.03	7.14	8.49	0.74	6.73	7.21	7.75
29	2021-22	Rajasthan*	8.33	8.13	9.68	5.96	7.70	8.10	8.44
30	2022-23	Sikkim	2.00	3.20	6.36	0.00	6.53	8.67	7.98
31	2017-18	Tamil Nadu*	1.40	5.08	9.15	0.00	4.97	6.83	7.55
32	2022-23	Telangana*	2.89	7.40	10.58	4.18	8.27	8.10	9.27
33	2020-21	Tripura*	5.22	6.34	7.05	5.10	7.41	7.51	7.46
34	2021-22	Uttar Pradesh*	6.22	7.01	12.95	3.01	9.94	9.82	8.45
35	2022-23	Uttarakhand	5.15	5.62	7.00	3.00	6.13	5.63	6.95
36	2021-22	West Bengal	6.03	7.50	8.78	4.76	7.84	9.13	9.61

Notes:

[*] The state has provided subsidy in bulk and subsidy has been included in the energy charges

[¹] BERC has approved the retail tariff for 2022-23 without considering Government Subsidy as direct subsidy is expected to be announced by the Government of Bihar



SECTION 6

CROSS SUBSIDY DETAILS



Cross Subsidy and Consumption Trend for LT Industrial Consumers

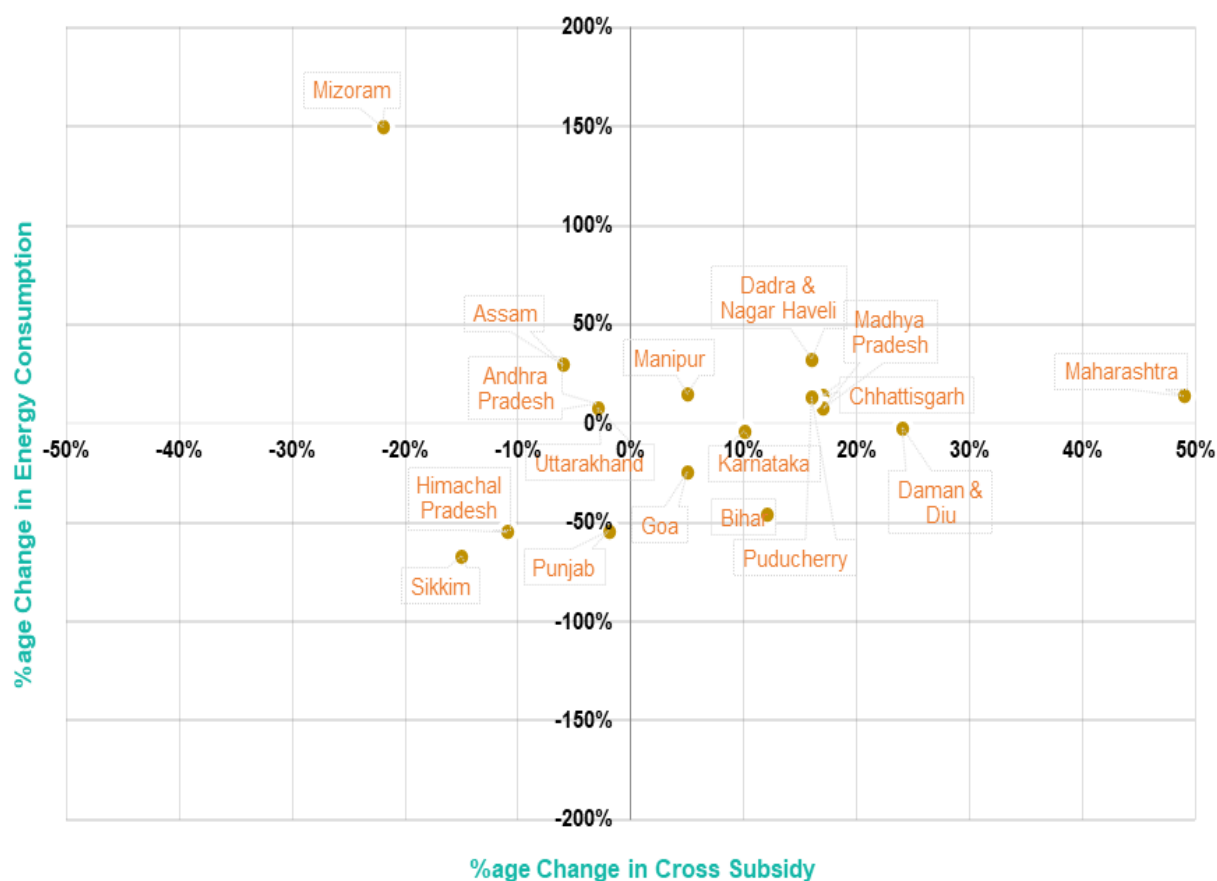
States/UT	Cross-Subsidy (%)				Energy Consumption (in MUs)			
	2019-20	2020-21	2021-22	2022-23	2019-20	2020-21	2021-22	2022-23
Andaman & Nicobar	NA	NA	NA	--	NA	NA	NA	--
Andhra Pradesh	128%	118%	132%	125%	1,513	1,473	1,543	1,664
Arunachal Pradesh	--	--	--	--	--	--	--	--
Assam	96%	89%	83%	90%	103	133	132	134
Bihar	135%	145%	139%	147%	1,599	617	859	873
Chandigarh	113%	101%	94%	--	148	33	18	--
Chhattisgarh	106%	111%	116%	123%	539	548	565	617
Dadra & Nagar Haveli	87%	102%	81%	103%	224	240	283	297
Daman & Diu	70%	90%	91%	94%	220	205	221	216
Delhi	NA	NA	--	--	NA	NA	--	--
Goa	78%	81%	84%	83%	107	110	85	81
Gujarat	NA	NA	NA	NA	NA	NA	NA	NA
Haryana	111%	102%	112%	--	2,125	1,492	2,134	2,560
Himachal Pradesh	112%	118%	163%	101%	202	124	90	92
J&K and Ladakh	--	--	--	--	--	--	--	--
Jharkhand	N/A	124%	157%	--	230	249	197	--
Karnataka	122%	122%	128%	132%	2,100	1,804	2,020	2,030
Kerala	115%	--	--	--	1,135	--	--	--
Lakshadweep	NA	51%	43%	39%	NA	0.35	0.37	0.40
Madhya Pradesh	133%	145%	139%	150%	1,451	1,289	1,456	1564
Maharashtra	116%	111%	110%	165%	7,232	7,515	7,879	8,260
Manipur	43%	54%	47%	48%	20	21	19	23
Meghalaya	--	N/A	140%	175%	--	5	6	6
Mizoram	109%	86%	99%	87%	2	4	3	5
Nagaland ¹	NA	NA	NA	NA	NA	NA	NA	NA
Odisha ²	NA	NA	NA	NA	NA	NA	NA	NA
Puducherry	103%	102%	108%	119%	148	130	124	168
Punjab	112%	104%	113%	110%	2,844	844	1,052	1312
Rajasthan	103%	--	108%	--	820	--	819	--
Sikkim	100%	108%	76%	85%	6	5	2	2
Tamil Nadu	--	--	--	--	--	--	--	--
Telangana	--	--	--	123%	--	--	--	1150

Cross Subsidy and Consumption Trend for LT Industrial Consumers

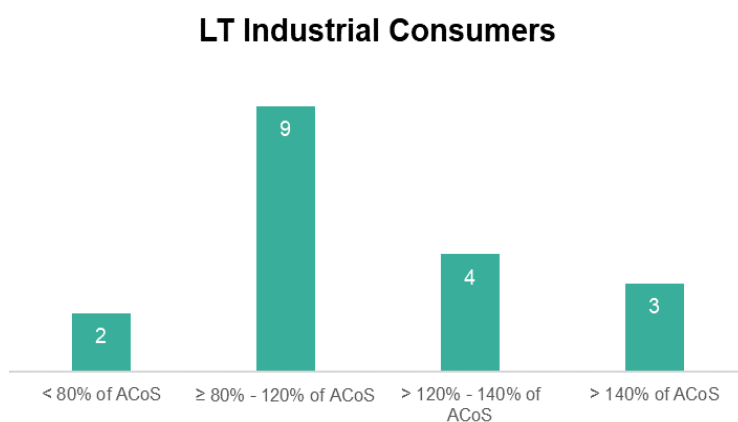
States/UT	Cross-Subsidy (%)				Energy Consumption (in MUs)			
	2019-20	2020-21	2021-22	2022-23	2019-20	2020-21	2021-22	2022-23
Tripura	NA	NA	--	--	NA	NA	--	--
Uttar Pradesh	127%	128%	148%	--	3,807	3,071	3,425	--
Uttarakhand	109%	109%	109%	106%	315	317	320	341
West Bengal	--	--	--	--	1,481	1,481	1,536	1593

Summary of findings:

CROSS SUBSIDY AND ENERGY CONSUMPTION TREND FOR LT INDUSTRY IN FY-23 W.R.T FY-20



Cross Subsidy and Consumption Trend for LT Industrial Consumers



Notes:

- State level aggregation is based on average of DISCOM level values weighted against corresponding energy sales.
- 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. No bifurcation (i.e., LT and HT Industry) provided for industrial consumers for Nagaland. Hence, the energy consumption for this category is considered in Annexure 6.2
2. For Odisha, consumer category wise values are not provided

Cross Subsidy and Consumption Trend for HT Industrial Consumers

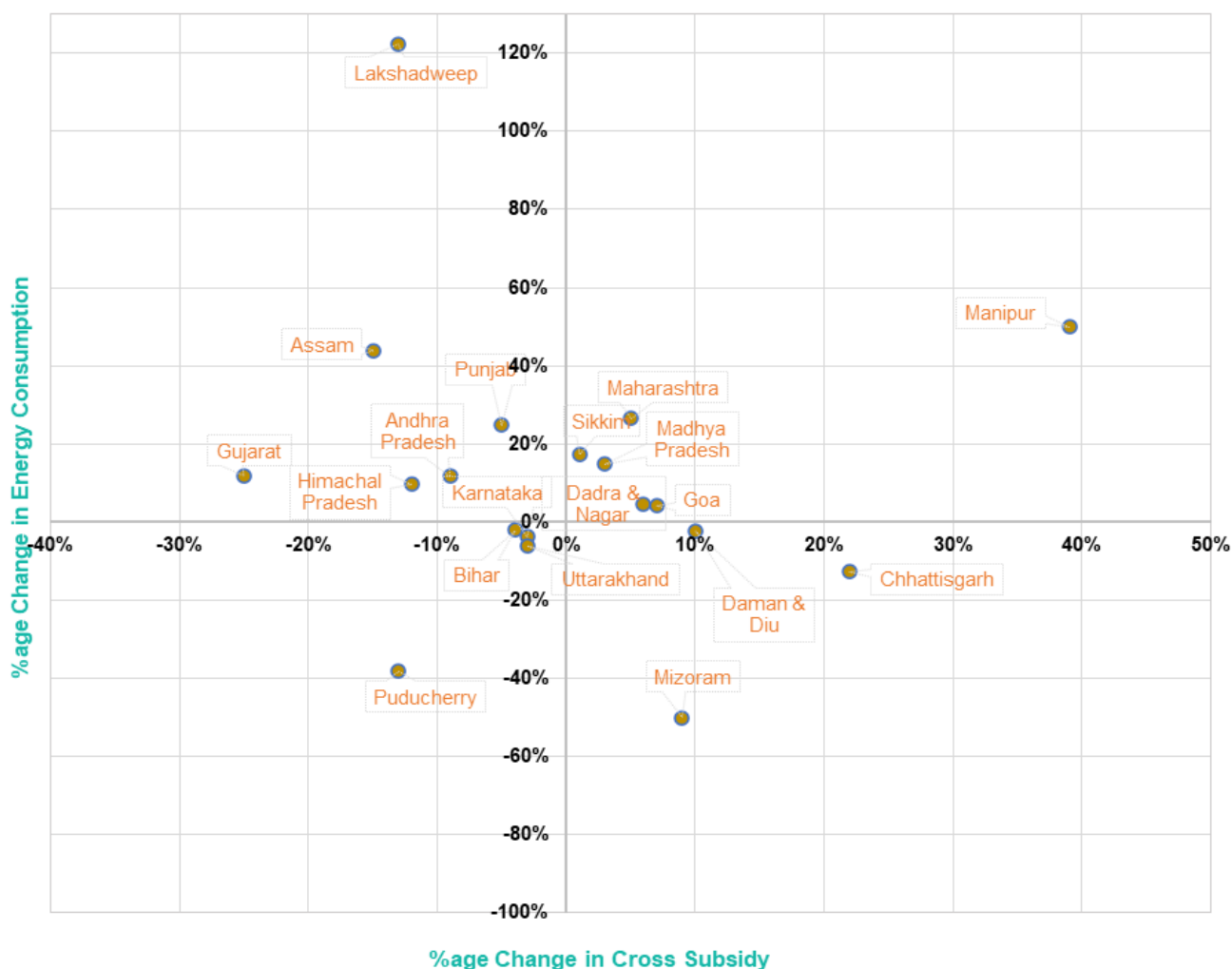
DISCOMS	Cross-Subsidy (in %)				Energy Consumption (in MUs)			
	2019-20	2020-21	2021-22	2022-23	2019-20	2020-21	2021-22	2022-23
Andaman & Nicobar	29%	28%	28%	--	24	19	10	--
Andhra Pradesh	115%	107%	118%	106%	15,384	14,967	14,546	1,718
Arunachal Pradesh	--	--	--	--	--	--	--	--
Assam	128%	118%	105%	113%	888	1,145	1,021	1,277
Bihar	127%	115%	112%	123%	2,856	2,865	2,950	2,798
Chandigarh	121%	114%	110%	--	120	330	233	--
Chhattisgarh	125%	115%	137%	147%	8,142	7,290	7,173	7,115
Dadra & Nagar Haveli	97%	105%	100%	103%	5,884	6,242	6,089	--
Daman & Diu	95%	103%	103%	105%	2,179	2,237	2,156	2,132
Delhi	131%	133%	--	--	3,597	2,842	--	--
Goa	95%	103%	102%	102%	1,970	2,063	2,001	2,054
Gujarat	115%	131%	119%	90%	33,639	36,390	35,838	37,629
Haryana	110%	101%	112%	--	12,261	8,301	11,881	12,957
Himachal Pradesh	103%	109%	107%	91%	5,016	4,701	5,400	5,508
J&K and Ladakh	--	--	--	--	--	--	--	--
Jharkhand	N/A	109%	109%	--	2708	2,481	2492	--
Karnataka	123%	123%	122%	120%	8,396	7,293	7,763	8,076
Kerala	103%	--	--	--	3,530	--	--	--
Lakshadweep	48%	38%	16%	35%	0.45	1	1	1
Madhya Pradesh	115%	114%	112%	118%	9,734	7,156	10,851	11,185
Maharashtra	120%	113%	115%	--	29,208	34,157	35,519	36,934
Manipur	78%	98%	98%	117%	10	12	12	15
Meghalaya	--	N/A	145%	150%	--	139	197	249
Mizoram	105%	76%	103%	114%	12	12	9	6
Nagaland	71%	60%	59%	--	75	63	69	76
Odisha ¹	NA	NA	NA	NA	NA	NA	NA	NA
Puducherry	122%	119%	123%	109%	832	942	920	514
Punjab	111%	109%	111%	106%	14,573	15,095	17,943	18,188
Rajasthan	111%	--	121%	--	16,095	--	13992	--
Sikkim	167%	199%	155%	--	215	218	208	252
Tamil Nadu	--	--	--	--	--	--	--	--
Telangana	--	--	--	126%	--	--	--	15,445

Cross Subsidy and Consumption Trend for HT Industrial Consumers

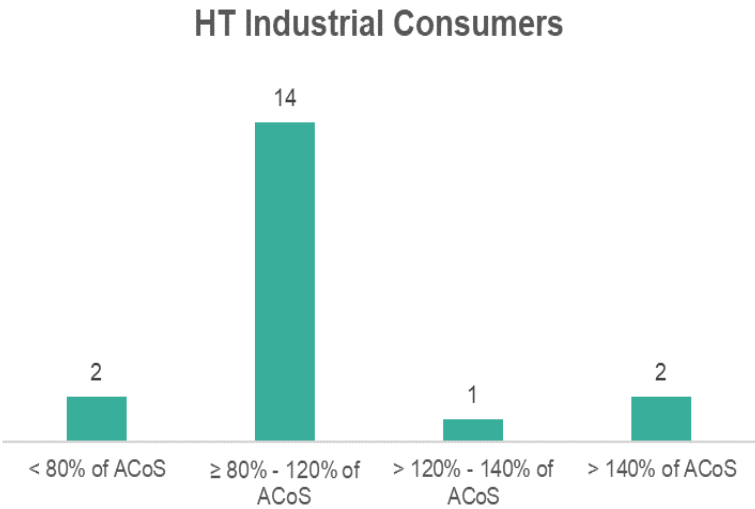
DISCOMS	Cross-Subsidy (in %)				Energy Consumption (in MUs)			
	2019-20	2020-21	2021-22	2022-23	2019-20	2020-21	2021-22	2022-23
Tripura	--	178%	--	--	--	37	--	--
Uttar Pradesh	101%	115%	127%	--	13,127	10,855	12,353	--
Uttarakhand	110%	109%	108%	107%	6,446	6,633	6,884	6,058
West Bengal	--	--	--	--	8,627	8,627	9,001	9,391

Summary of findings:

CROSS SUBSIDY AND ENERGY CONSUMPTION TREND FOR HT INDUSTRY IN FY-23 W.R.T FY-20



Cross Subsidy and Consumption Trend for HT Industrial Consumers



Notes:

- State level aggregation is based on average of DISCOM level values weighted against corresponding energy sales.
- 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. For Odisha, consumer category wise values are not provided



SECTION 7

OPEN ACCESS CHARGES



Cross Subsidy Surcharge

(Figures Rs./kWh)

Andhra Pradesh		2022-23	
Category	APSPDCL	APEPDCL	APCPDCL
HT Category at 11 kV			
HT I (B): Townships, Colonies, Gated Communities and Villas	1.45	1.47	1.53
HT II (A) Commercial	2.19	2.27	2.32
HT II (A) Function Halls/Auditoriums	2.45	2.45	2.45
II (B) Start up power	2.45	2.45	2.45
II (D) Green Power	2.45	--	2.45
III (A) Industry General	1.76	1.71	1.72
III (B) Seasonal Industry	2.6	2.69	3.18
III (C) Energy Intensive Industries	--	--	--
IV (A) Utilities- Major(Composite Protected Water Supply Schemes/PWS)	2.06	1.9	1.88
IV (B) General Purpose	2.32	2.58	2.18
HT V (E) Government / Private Lift Irrigation	1.15	1.43	1.31
HT Category at 33 kV			
HT I (B): Townships, Colonies, Gated Communities and Villas	1.45	1.46	1.53
HT II (A) Commercial	2.6	2.04	1.93
II (B) Start up power	2.45	2.45	2.45
II (D) Green Power	2.45	--	--
III (A) Industry General	1.51	1.5	1.45
III (B) Seasonal Industry	2.54	1.79	1.83
III (C) Energy Intensive Industries	0.21	0.41	--
IV (A) Utilities- Major (Composite Protected Water Supply Schemes/PWS)	1.71	4.24	--
IV (B) General Purpose	2.11	1.45	2.16
HT V (E) Government / Private Lift Irrigation	1.43	1.43	1.43
HT Category at 133 kV			
II (A) Commercial	1.84	2.5	--
II (B) Start Up Power	2.45	2.45	--

Cross Subsidy Surcharge

(Figures Rs./kWh)

III (A) Industry General	1.37	1.41	1.39
III (C) Energy Intensive Industries	0.06	1.41	--
HT IV (D) Railway Traction	1.49	0.22	1.39
HT V (E) Government / Private Lift Irrigation	1.43	1.37	1.39
Assam	2022-23		
Category	APDCL		
HT Commercial	1.17		
HT Bulk Supply - Govt. Edu. Institutions	0		
HT Bulk Supply Others	1.08		
HT-II Industry above 150 kVA	0.46		
HT Tea, Coffee & Rubber Category	0.06		
HT Oil & Coal category	1.52		
Bihar	2022-23		
Category	NBPDCL	SBPDCL	
HT Category			
For 132 kV consumers	1.81	1.81	
For 33 kV consumers (other than HTSS)	1.86	1.86	
For 11 kV consumers (other than HTSS)	1.96	1.96	
For HTSS consumers (11 kV & 33 kV)	1.35	1.35	
Chandigarh	2021-22		
Category	Chandigarh Electricity Department (CED)		
HT Level/ Extra High Tension (EHT)	1.42		
Chhattisgarh	2022-23		
Category	CSPDCL		
220 kV/132 kV	0.62		
33 kV	0.90		
For procuring power from RE based power plant (excluding solar power), 50% of CSS shall be payable.			
Dadra & Nagar Haveli	2022-23		
Category	DNHPDCL		
11kV level	0.6		
66kV level	0.35		
220kV level	0.52		

Cross Subsidy Surcharge

(Figures Rs./kWh)

Daman & Diu	2022-23					
Category	DDED					
HT & EHT Level	0.59					
Delhi	2021-22					
Category	BRPL		BYPL		TPDDL	
Industrial						
Above 66kV level	1.9		1.88		1.87	
At 33/ 66kV level	1.9		1.88		1.87	
At 11 kV level	1.9		1.88		1.87	
At LT level	1.9		1.88		1.87	
Non-Domestic						
Above 66kV level	2.24		2.27		2.18	
At 33/ 66kV level	2.24		2.27		2.18	
At 11 kV level	2.24		2.27		2.18	
At LT level	2.24		2.27		2.18	
DMRC & DJB						
Above 66kV level	1.47		1.53		0.79	
At 33/ 66kV level	0.54		1.29		0.75	
At 11 kV level	0.47		1.23		0.64	
At LT level	0.03		0.8		0.26	
Goa	2022-23					
Category	Electricity Department, Goa (EDG)					
HT Level/ Extra High Tension (EHT)	1.67					
Gujarat	2022-23					
Category	DGVCL	PGVCL	MGVCL	UGVCL	TPL-DS	TPL-DA
HT Category	1.5	1.5	1.5	1.5	0.67	1.33
Haryana	2022-23					
Category	UHBVNL			DHBVNL		
HT Supply	1.21			1.21		
Bulk Supply (other than DS)	1			1		
Railways (Traction)	0.86			0.86		
LT Supply	0.96			0.96		
Non-Domestic Supply (HT Supply)	1.28			1.28		
Himachal Pradesh	2022-23					
Category	HPSEBL					
Large Industrial Power Supply EHT Consumers	0.43					
HT 2 - Consumers	0.31					

Cross Subsidy Surcharge

(Figures Rs./kWh)

Irrigation & Drinking Water Supply Category - EHT Consumers	0.47				
Irrigation & Drinking Water Supply Category - HT Consumers	0.22				
Bulk Supply Category - EHT Consumers	0.44				
Bulk Supply Category - HT Consumers	0.21				
Jharkhand	2020-21				
Category	JBVNL				
HT Services 11 kV	1.41				
HT Services 33 kV & Above	1.41				
Karnataka	2022-23				
Category	BESCOM	HESCOM	MESCOM	GESCOM	CESC
HT-1 Water Supply	1.27	1.27	1.27	1.27	1.27
HT-2a (i) Industries	2.08	NA	NA	NA	NA
HT-2a (ii) Industries	1.95	1.95	1.95	1.95	1.95
HT-2b (i) Commercial	2.75	NA	NA	NA	NA
HT-2b (ii) Commercial	2.59	2.59	2.59	2.59	2.59
HT-2c (i)	1.93	1.93	1.93	1.93	1.93
HT-2c (ii)	2.15	2.15	2.15	2.15	2.15
HT-3a (i) Lift Irrigation	0.63	0.63	0.63	0.63	0.63
HT-3a (ii) Lift Irrigation	1.05	1.05	1.05	1.05	1.05
HT-3a (iii) Lift Irrigation	0.74	0.74	0.74	0.74	0.74
HT-3b Irrigation & Agricultural Farms	1.03	1.03	1.03	1.03	1.03
HT-4 Residential Apartments	1.65	1.65	1.65	1.65	1.65
HT-5 Temporary	4.93	4.93	4.93	4.93	4.93
Kerala	2022-23				
Category	KSEBL				
EHT- I	1.36				
EHT- II	1.29				
EHT-III	1.33				
EHT-G (A)	1.30				
EHT-G (B)	1.89				
EHT-G (C)	1.80				
Railways	1.36				
KMRL	1.37				
HT I(A) – Industry	1.54				

Cross Subsidy Surcharge

(Figures Rs./kWh)

HT I(B) – Industry	1.67		
HT II – A	1.57		
HT II – B	1.85		
HT III – A	1.32		
HT III – B	0.63		
HT IV - Commercial (A)	2.06		
HT IV - Commercial (B)	2.18		
HT V	1.71		
Madhya Pradesh	2022-23		
Category	MPMaKVVCL	MPPaKVVCL	MPPoKVVCL
HV- 2: Coal Mines	1.75	1.75	1.75
HV-3: HT Industrial, Non-Industrial and Shopping Malls	1.53	1.53	1.53
HV- 3.1: Industrial	1.58	1.58	1.58
HV- 3.2: Non-Industrial	1.86	1.86	1.86
HV- 3.3: Shopping Malls	1.82	1.82	1.82
HV- 3.4: Power Intensive Industries	1.02	1.02	1.02
HV- 4: Seasonal & Non-Seasonal	1.46	1.46	1.46
HV- 5: Irrigation, Public Water Works and Other than Agricultural	1.46	1.46	1.46
HV- 6: Bulk Residential Users	1.39	1.39	1.39
HV- 7: Synchronization and Start-Up Power	2.4	2.4	2.4
HV- 8: E-Vehicle/ E-Rickshaws Charging Stations	1.3	1.3	1.3
Maharashtra	2022-23		
Category	MSEDCL		
HT Category - EHV (66 kV and above)			
HT I(A): HT - Industry (General)	1.68		
HT I(B): HT - Industry (Seasonal)	2.26		
HT II: HT–Commercial	2.88		
HT III: HT-Railways/ Metro/ Monorail	1.44		
HT IV: HT-Public Water Works (PWW)	1.38		

Cross Subsidy Surcharge

(Figures Rs./kWh)

HT VI: HT Group Housing Society (Residential)	0.75			
HT IX(B): HT-Public Services-Others	1.94			
HT Category - 33 kV,22 kV & 11 kV				
HT I(A): HT - Industry (General)	1.7			
HT I(B): HT - Industry (Seasonal)	2.07			
HT II: HT-Commercial	2.61			
HT III: HT-Railways/ Metro/ Monorail	1.72			
HT IV: HT-Public Water Works (PWW)	1.53			
HT V(B): HT Agriculture Others	0.07			
HT VI: HT-Group Housing Society (Residential)	1.47			
HT VIII (B): HT - Temporary Supply Others (TSO)	2.81			
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	1.68			
Meghalaya	2022-23			
Category	MePDCL			
HT Industrial	1.9			
EHT Industrial	1.47			
HT Ferro Alloys Industrial	1.09			
EHT Ferro Alloys Industrial	1			
Odisha	2022-23			
Category	TPCODL	TPNODL	TPSODL	TPWODL
HT	0.83	0.57	1.27	0.53
EHT	1.63	1.49	2.12	1.23
Puducherry	2022-23			
Category	Puducherry Electricity Department (PED)			
High Tension (HT) Level	2.13			
Extra High Tension (EHT) Level	1.46			
Punjab	2022-23			

Cross Subsidy Surcharge

(Figures Rs./kWh)

Category	PSPCL		
Large Supply	0.66		
Domestic Supply	0		
Non-Residential Supply	1.3		
Bulk Supply	1.3		
Rajasthan	2021-22		
Category	AVVNL	JdVVNL	JVVNL
Non- Domestic service			
11KV	2.22	2.22	2.22
33KV	2.15	2.15	2.15
132KV and above	2.13	2.13	2.13
Mixed Load/ Bulk Supply			
11KV	1.92	1.92	1.92
33KV	1.86	1.86	1.86
132KV and above	1.84	1.84	1.84
Large Industrial Service			
11KV	1.94	1.94	1.94
33KV	1.88	1.88	1.88
132KV and above	1.86	1.86	1.86
Tamil Nadu	2018-19		
Category	TANGEDCO		
HT IA: HT-Industry	1.67		
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		
Telangana	2022-23		
Category	TSNPDCL	TSSPDCL	
HT Category 11 kV			
HT-I Industry General	1.99	1.97	
HT-II – Others	2.35	2.33	
HT - III Airport Bus and Railway Station	2.13	2.26	
HT-IV Lift Irrigation & Agriculture & CPWS	0.64	1.05	

Cross Subsidy Surcharge

(Figures Rs./kWh)

HT-VI Townships & Residential Colonies	1.97	1.88			
HT-Temporary Supply	3.18	3.34			
HT Category 33kV					
HT-I Industry Segregated	1.83	1.74			
HT-II – Others	2.28	2.03			
HT-IV Lift Irrigation & Agriculture & CPWS	1.25	1.24			
HT-VI Townships & Residential Colonies	1.67	1.78			
HT Category 132kV					
HT-I Industry Segregated	1.7	1.53			
HT-II – Others	4.1	1.98			
HT-IV Lift Irrigation & Agriculture & CPWS	1.52	1.41			
HT-V Railway Traction & HMR	1.38	1.4			
HT-VI Townships & Residential Colonies	1.63	--			
HT-III Airports, Bus & Rly Stations	--	1.62			
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				
Uttar Pradesh	2021-22				
Category	DVVNL	KESCO	PVVNL	PuVVNL	MVVNL
HV-1 (Supply at 11 kV)	1.96	1.96	1.96	1.96	1.96
HV-1 (Supply above 11 kV)	2.12	2.12	2.12	2.12	2.12
HV-2 (Supply at 11 kV)	0.93	0.93	0.93	0.93	0.93
HV-2 (Supply above 11 kV and upto 66kV)	1.07	1.07	1.07	1.07	1.07
HV-2 (Supply above 66 kV and upto 132kV)	0.84	0.84	0.84	0.84	0.84
HV-2 (Supply above 132 kV)	0.82	0.82	0.82	0.82	0.82

Cross Subsidy Surcharge

(Figures Rs./kWh)

HV-3 (At and above 132 kV)	2.01	2.01	2.01	2.01	2.01
HV-3 (Supply below 132kV)	2.02	2.02	2.02	2.02	2.02
HV-3 for Metro Traction	1.77	1.77	1.77	1.77	1.77
HV-4 (Supply at 11 kV)	1.59	1.59	1.59	1.59	1.59
HV-4 (Supply above 11 kV and upto 66kV)	1.81	1.81	1.81	1.81	1.81
HV-4 (Supply above 66 kV and upto 132kV)	1.99	1.99	1.99	1.99	1.99
Uttarakhand	2022-23				
Category	UPCL				
HT Industrial	0.54				
Non-Domestic	0.94				

Notes:

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

Cross Subsidy Surcharge

(Figures Rs./kWh)

State	Category	Cross Subsidy Surcharge	
		Minimum	Maximum
Low Cross Subsidy Surcharge Level: ≤ Rs 1.50			
Chandigarh	LT	--	
	HT	1.42	
	EHT	1.42	
Chhattisgarh	LT	--	
	HT	0.62	
	EHT	0.90	
Dadra & Nagar Haveli	LT	0.60	
	HT	0.35	
	EHT	0.52	
Daman & Diu	LT	--	
	HT	0.59	
	EHT	0.59	
Gujarat	LT	--	
	HT	0.67	1.50
	EHT	--	
Haryana	LT	0.96	
	HT	1.00	1.28
	EHT	0.86	
Himachal Pradesh	LT	--	
	HT	0.21	0.31
	EHT	0.43	0.47
Jharkhand	LT	1.41	
	HT	1.41	
	EHT	1.41	
Punjab	LT	--	
	HT	0.66	
	EHT	0.66	
Uttarakhand	LT	--	
	HT	0.54	
	EHT	--	
Medium Cross Subsidy Surcharge Level: > Rs 1.50 to Rs. 2.00			
Assam	LT	--	
	HT	--	1.52
	EHT	--	
Bihar	LT	--	
	HT	1.35	1.96
	EHT	1.82	
Goa	LT	--	
	HT	1.67	
	EHT	1.67	
Kerala	LT	--	

Cross Subsidy Surcharge

(Figures Rs./kWh)

State	Category	Cross Subsidy Surcharge	
		Minimum	Maximum
	HT	0.62	1.95
	EHT	1.20	1.67
	LT	--	
Meghalaya	HT	1.09	1.90
	EHT	1.00	1.47
	LT	--	
Tripura	HT	0.62	1.95
	EHT	--	
	High Cross Subsidy Surcharge Level: > Rs. 2.00		
Andhra Pradesh	LT	--	
	HT	0.21	3.18
	EHT	0.06	2.50
Delhi	LT	0.03	2.27
	HT	0.54	2.27
	EHT	0.79	2.27
Karnataka	LT	--	
	HT	0.63	4.93
	EHT	--	
Madhya Pradesh	LT	--	
	HT	1.30	2.40
	EHT	1.02	
Maharashtra	LT	--	
	HT	0.07	2.81
	EHT	0.75	2.88
Odisha	LT	--	
	HT	0.53	1.27
	EHT	1.23	2.12
Puducherry	LT	--	
	HT	2.13	
	EHT	1.46	
Rajasthan	LT	1.92	2.22
	HT	1.86	2.15
	EHT	1.84	2.13
Tamil Nadu	LT	--	
	HT	1.27	2.26
	EHT	--	
Telangana	LT	0.64	3.34
	HT	1.24	2.28
	EHT	1.38	4.10
Uttar Pradesh	LT	0.93	1.96
	HT	0.82	2.02
	EHT	1.77	2.01

Additional Surcharge

(Figures Rs./kWh)

	Applicable Period	Additional Surcharge
Low Additional Surcharge Level: ≤ Rs 1.50		
Chandigarh	2021-22	1.20
Chandigarh ED	2021-22	1.20
Dadra & Nagar Haveli	2022-23	1.42
DNHPDCL	2022-23	1.42
Goa	2022-23	1.01
Goa PD	2022-23	1.01
Gujarat	2022-23	0.25
DGVCL	2022-23	0.25
MGVCL	2022-23	0.25
PGVCL	2022-23	0.25
UGVCL	2022-23	0.25
Haryana	2022-23	1.08
DHBVNL	2022-23	1.08
UHBVNL	2022-23	1.08
Himachal Pradesh	2022-23	0.75
HPSEBL	2022-23	0.75
Jharkhand	2020-21	0.00
JBVNL	2020-21	0.00
Karnataka	2022-23	1.20
BESCOM	2022-23	1.20
CESCOM	2022-23	1.20
GESCOM	2022-23	1.20
HESCOM	2022-23	1.20
MESCOM	2022-23	1.20
Kerala	2022-23	0.00
KSEBL	2022-23	0.00
Meghalaya	2022-23	0.44
MePDCL	2022-23	0.44
Odisha	2022-23	0.00
TPCODL	2022-23	0.00
TPNODL	2022-23	0.00
TPSODL	2022-23	0.00
TPWODL	2022-23	0.00
Rajasthan	2021-22	0.97
AVVNL	2021-22	0.97
JdVVNL	2021-22	0.97
JVVNL	2021-22	0.97
Tamil Nadu	2017-18	0.00
TANGEDCO	2017-18	0.00
Telangana	2022-23	1.15

Additional Surcharge

(Figures Rs./kWh)

	Applicable Period	Additional Surcharge
TSNPDCL	2022-23	1.15
TSSPDCL	2022-23	1.15
Uttarakhand	2022-23	1.07
UPCL	2022-23	1.07
Medium Additional Surcharge Level: > Rs 1.50 to Rs. 2.00		
Daman & Diu	2022-23	1.63
Daman & Diu ED	2022-23	1.63
Delhi	2021-22	(Oct-Apr): 1.29-1.76 (May-Sep): 0.64-0.88
BRPL	2021-22	(Oct-Apr): 1.46 (May-Sep): 0.73
BYPL	2021-22	(Oct-Apr): 1.29 (May-Sep): 0.64
TPDDL	2021-22	(Oct-Apr): 1.76 (May-Sep): 0.88
Madhya Pradesh	2022-23	1.21
MPMaKVVCL	2022-23	1.21
MPPaKVVCL	2022-23	1.21
MPPoKVVCL	2022-23	1.21
Maharashtra	2022-23	1.27
MSEDCL	2022-23	1.27
Puducherry	2022-23	1.58
Puducherry PD	2022-23	1.58
Punjab	2022-23	1.22
PSPCL	2022-23	1.22
High Additional Surcharge Level: > Rs. 2.00		
Bihar	2022-23	2.10
NBPDCL	2022-23	2.10
SBPDCL	2022-23	2.10
Not Available for these states		
Andaman & Nicobar	2021-22	N/A
ED Andaman & Nicobar	2021-22	N/A
Andhra Pradesh	2022-23	N/A
APEPDCL	2022-23	N/A
APSPDCL	2022-23	N/A
APCPDCL	2022-23	N/A
Arunachal Pradesh	2018-19	N/A
Arunachal PD	2018-19	N/A
Assam	2022-23	N/A
APDCL	2022-23	N/A
Chhattisgarh	2022-23	N/A

Additional Surcharge

(Figures Rs./kWh)

	Applicable Period	Additional Surcharge
CSPDCL	2022-23	N/A
J&K and Ladakh	2016-17	N/A
JKPDD	2016-17	N/A
Lakshadweep	2022-23	N/A
Lakshadweep ED	2022-23	N/A
Manipur	2022-23	N/A
MSPDCL	2022-23	N/A
Mizoram	2022-23	N/A
Mizoram PD	2022-23	N/A
Nagaland	2020-21	N/A
Nagaland PD	2020-21	N/A
Sikkim	2022-23	N/A
Sikkim PD	2022-23	N/A
Tripura	2020-21	N/A
TSECL	2020-21	N/A
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
West Bengal	2021-22	N/A
WBSSEDCL	2021-22	N/A

Notes:

- 'N/A' denotes that the value of Additional Surcharge is not available in the latest tariff order.
- For Gujarat, Punjab, Telangana and Uttarakhand, the Additional Surcharge shall be applicable from 01.04.2022 till 30.09.2022.

Wheeling Charges

(Figures Rs./kWh)

Wheeling Charges							
	Applicable Period	Voltage Level					
		Below 11 kV	11 kV	33 kV	66 kV	132 kV	200 kV & Above
Andaman & Nicobar	2021-22	N/A	N/A	N/A	N/A	N/A	N/A
ED Andaman & Nicobar	2021-22	N/A	N/A	N/A	N/A	N/A	N/A
Andhra Pradesh	2022-23	NA	--	--	--	--	--
APEPDCL	2022-23	NA	1.08	0.43	--	0.35	0.35
APSPDCL	2022-23	NA	1.17	0.46	--	0.35	0.35
APCPDCL	2022-23	NA	1.17	0.46	--	0.35	0.35
Arunachal Pradesh	2018-19	N/A	N/A	N/A	N/A	N/A	N/A
Arunachal PD	2018-19	N/A	N/A	N/A	N/A	N/A	N/A
Assam	2022-23	NA	0.33	0.33	NA	NA	NA
APDCL	2022-23	NA	0.33	0.33	NA	NA	NA
Bihar	2022-23	NA	0.51	0.47	NA	NA	NA
NBPDCL	2022-23	NA	0.51	0.47	NA	NA	NA
SBPDCL	2022-23	NA	0.51	0.47	NA	NA	NA
Chandigarh	2021-22	0.65	0.07				
Chandigarh ED	2021-22	0.65	0.07				
Chhattisgarh	2022-23	0.29					
CSPDCL	2022-23	0.29					
Dadra & Nagar Haveli	2022-23	1.05	0.07	NA	0.07	NA	0.04
DNHPDCL	2022-23	1.05	0.07	NA	0.07	NA	0.04
Daman & Diu	2022-23	0.91	0.09				
Daman & Diu ED	2022-23	0.91	0.09				
Delhi	2021-22	--	--	--	--	--	
BRPL	2021-22	1.14	1.06	1.05	NA	NA	
BYPL	2021-22	1.35	1.24	1.22	NA	NA	
TPDDL	2021-22	1.08	1.02	1.00	0.99	0.99	
Goa	2022-23	1.52	0.11				
Goa PD	2022-23	1.52	0.11				
Gujarat	2022-23	0.80	0.18	NA	NA	NA	NA
DGVCL	2022-23	0.80	0.18	NA	NA	NA	NA
MGVCL	2022-23	0.80	0.18	NA	NA	NA	NA
PGVCL	2022-23	0.80	0.18	NA	NA	NA	NA
UGVCL	2022-23	0.80	0.18	NA	NA	NA	NA
Haryana	2022-23	1.03	0.84				
DHBVNL	2022-23	1.03	0.84				
UHBVNL	2022-23	1.03	0.84				
Himachal Pradesh	2022-23	3.28	1.48	0.63	0.22		

Wheeling Charges

(Figures Rs./kWh)

Wheeling Charges							
	Applicable Period	Voltage Level					
		Below 11 kV	11 kV	33 kV	66 kV	132 kV	200 kV & Above
HPSEBL	2022-23	3.28	1.48	0.63	0.22		
J&K and Ladakh	2016-17	N/A	N/A	N/A	N/A	N/A	N/A
JKPDD	2016-17	N/A	N/A	N/A	N/A	N/A	N/A
Jharkhand	2020-21	1.63	0.64	0.22			
JBVNL	2020-21	1.63	0.64	0.22			
Karnataka	2022-23						
BESCOM	2022-23	0.67	0.29			NA	NA
CESCOM	2022-23	0.93	0.40			NA	NA
GESCOM	2022-23	0.97	0.41			NA	NA
HESCOM	2022-23	0.86	0.37			NA	NA
MESCOM	2022-23	1.00	0.43			NA	NA
Kerala	2022-23	NA	0.61			NA	NA
KSEBL	2022-23	NA	0.61			NA	NA
Lakshadweep	2022-23	NA	NA	NA	NA	NA	NA
Lakshadweep ED	2022-23	NA	NA	NA	NA	NA	NA
Madhya Pradesh	2022-23	NA	NA	0.17	NA	NA	NA
MPMaKVCL	2022-23	NA	NA	0.17	NA	NA	NA
MPPaKVCL	2022-23	NA	NA	0.17	NA	NA	NA
MPPoKVCL	2022-23	NA	NA	0.17	NA	NA	NA
Maharashtra	2022-23	1.35	0.57			NA	NA
MSEDCL	2022-23	1.35	0.57			NA	NA
Manipur	2022-23	0.82					
MSPDCL	2022-23	0.82					
Meghalaya	2022-23	1.29					
MePDCL	2022-23	1.29					
Mizoram	2022-23	1.92					
Mizoram PD	2022-23	1.92					
Nagaland	2022-23	3.32					
Nagaland PD	2022-23	3.32					
Odisha	2022-23	--	--	--	--	--	--
TPCODL	2022-23	NA	0.98			NA	NA
TPNODL	2022-23	NA	1.14			NA	NA
TPSODL	2022-23	NA	1.12			NA	NA
TPWODL	2022-23	NA	0.77			NA	NA
Puducherry	2022-23	1.08	0.17			0.03	
Puducherry PD	2022-23	1.08	0.17			0.03	

Wheeling Charges

(Figures Rs./kWh)

Wheeling Charges							
	Applicable Period	Voltage Level					
		Below 11 kV	11 kV	33 kV	66 kV	132 kV	200 kV & Above
Punjab	2022-23	0.73					
PSPCL	2022-23	0.73					
Rajasthan	2021-22	NA	0.49	0.20	NA	0.01	
AVVNL	2021-22	NA	0.49	0.20	NA	0.01	
JdVVNL	2021-22	NA	0.49	0.20	NA	0.01	
JVVNL	2021-22	NA	0.49	0.20	NA	0.01	
Sikkim	2022-23	4.84					
Sikkim PD	2022-23	4.84					
Tamil Nadu	2017-18	0.21					
TANGEDCO	2017-18	0.21					
Telangana	2021-22	1.08					
TSNPDCL	2021-22	1.08					
TSSPDCL	2021-22	1.08					
Tripura	2020-21	0.56					
TSECL	2020-21	0.56					
Uttar Pradesh	2021-22	0.94					
DVVNL	2021-22	0.94					
KESCO	2021-22	0.94					
MVVNL	2021-22	0.94					
PaVVNL	2021-22	0.94					
PuVVNL	2021-22	0.94					
Uttarakhand	2022-23	0.60					
UPCL	2022-23	0.60					
West Bengal	2021-22	0.99					
WBSEDCL	2021-22	0.99					



SECTION 8

CUMULATIVE REVENUE GAP/SURPLUS



Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
Andaman and Nicobar Islands	0	2016-17	2021-22	- Cumulative Revenue Gap (till 2022) : Nil - The revenue gap approved in each year by the Commission is met through government budgetary support.
Andhra Pradesh	0	2020-21	2022-23	- Revenue Gap (ARR 2023) - APSPDCL : 5559.99 Cr - APEPDCL : 2899.18 Cr - APCPDCL : 2664.04 Cr - Total Revenue Gap as per ARR 2023 : 11123.21 Cr - Provision of Subsidy by Government of Andhra Pradesh: 11123.21 Cr - Cumulative Revenue Gap : Nil
Arunachal Pradesh	N/A	2016-17	2018-19	- Revenue Gap (ARR 2019) : 379.66 Cr - The revenue gap does not include revenue gap/surplus from true up of 2016-17. The commission has followed similar practice in the previous ARRs as well. - The cumulative revenue gap could not be estimated in the absence of a cumulative true up of previous years.
Assam	0	2020-21	2022-23	- Cumulative Revenue Gap/(Surplus) till 2022-23: 545.75 Cr - Tariff Hike of 8 % for meeting the Revenue gap: 546 Cr - Cumulative Revenue Gap: Nil
Bihar	6.69	2020-21	2022-23	Revenue Gap (APR 2022): 1277.12 Cr (Gap not carried forwarded to 2022-23 as the gap arrived in review for 2021-22 is based on estimates submitted by Discoms and may vary with reference to audited accounts for 2021-22 while Truing-up. The APR shall be considered at the time of truing up)

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
				2. Revenue Gap (ARR 2023): 6.69 Cr 3. Cumulative Revenue Gap (effective): 6.69 Cr
Chandigarh	(252)	2019-20	2021-22	1. Cumulative Revenue Surplus (till 2022) : 251.91 Cr
Chhattisgarh	0	2020-21	2022-23	1. Total Past Revenue Gap : 1,832.39 Cr 2. Standalone Revenue Surplus (ARR 2023) : 1,446.06 Cr 3. Cumulative Revenue Gap: 386.33 Cr The revenue gap approved is bridged through Revision in tariff.
Dadra and Nagar Haveli	1.98	2020-21	2022-23	1. Cumulative Revenue Gap (till 2023) : 1.98 Cr
Daman and Diu	(2.69)	2020-21	2022-23	1. Cumulative Revenue Gap (till 2023) : (2.69) Cr (Regulatory Surcharge and revision in retail tariff for 2022-23)
Delhi	8955	2019-20	2021-22	1. Cumulative Revenue gap (True Up 2020) : 9063.19 Cr 2. Revenue Gap (APR 2021) : (54.17) Cr 3. Revenue Gap (ARR 2022) : (54.39) Cr 4. Cumulative Revenue Gap : 8954.63 Cr
Goa	0	2020-21	2022-23	1. Revenue Gap (Till 2023) : Nil 2. The revenue gap approved each year by the Commission is met through Government Budgetary Support.

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
Gujarat	(2,901)	2020-21	2022-23	1. Cumulative Revenue Gap (True Up 2021) : 178.94 Cr 2. Revenue Surplus (APR 2022) : 1718.25 Cr 3. Revenue Surplus (ARR 2023): 1362.16 Cr 4. Cumulative Revenue Surplus: 2901.47 Cr
Haryana	(3.02)	2020-21	2022-23	1. Revenue Surplus (True Up 2021) : 501.74 Cr 2. Revenue Gap (APR 2022) : 76.01 Cr 3. Revenue Surplus (ARR 2023) : 79.03 Cr 4. Total Revenue Surplus : 3.02 Cr
Himachal Pradesh	0	2020-21	2022-23	1. Revenue Gap (ARR 2021 includes True Up 2018) : Nil 2. Revenue Gap (ARR 2023) : Nil 3. Cumulative Revenue Gap : Nil
Jharkhand	196	2018-19	2020-21	1. Cumulative Revenue Gap (2021 including True Up 2019) : 196.06 Cr
Karnataka	0	2020-21	2022-23	1. Revenue Gap (ARR 2023 including True Up 2021) : 0 Cr 2. Revenue Gap (ARR 2022 including True Up 2020) : 0 Cr 3. Total Revenue Gap : Nil As a practice, revenue gap approved in any year (post-tariff subsidy) is bridged through Revision in tariff.
Kerala	5472.8	2020-21	2021-22	1. Carrying cost for 2018-19 : 400.80 Cr 2. Carrying cost for 2019-20 : 408.58 Cr 3. Revenue Gap as on 2019-20 : 4230.80 Cr 4. Carrying cost for 2020-21 : 418.85 Cr 5. Revenue Surplus (True Up 2021) : 81.86 Cr (Provisional)

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
				6. Approved Revenue Gap for 2021-22 (MYT 2019-22) : 998.53 Cr 7. Additional Revenue as envisaged : 902.90 Cr 8. Balance Revenue Gap (up to 2021-22) : 5472.80 Cr
Lakshadweep	0	2018-19	2022-23	1. Cumulative Revenue Gap : Nil 2. The revenue gap of 160.67 Cr is met through tariff hike, in view of the budgetary support by the government to meet the balance revenue gap.
Madhya Pradesh	(0.71)	2020-21	2022-23	1. Revenue Gap (True Up 2020): 2030.92 Cr. The same is included in ARR of 2023 2. Revenue Gap (True Up 2020): 225.75 Cr. The same is included in ARR of 2023 3. Cumulative Revenue Surplus : 0.71 Cr
Maharashtra	4,580	2018-19	2022-23	1. Revenue Gap identified at the beginning of 2020-21 : 12043 Cr 2. Carrying cost for the period up to 2020-21 to 2023-25: 4628 Cr 3. Revenue Gap (ARR 2020-21) : 3256 Cr 4. Revenue Gap (ARR 2021-22) : 1332 Cr 5. Revenue Surplus (ARR 2022-23) : 8 Cr Note: Based on the liquidation plan and tariff hike allowed in MYT order the cumulative revenue gap at the end of control period (i.e. 2024-25) is Nil.
Manipur	0	2018-19 (Provisional)	2022-23	1. Revenue Gap (ARR 2022) : Nil 2. Cumulative revenue/gap has not been estimated in absence of a final true up.

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
Meghalaya	153.7	2019-20	2022-23	1. Revenue Surplus (True Up 2018-19) : 15.88 Cr 2. Revenue Gap (True Up 2019-20) : 179.43 Cr 3. Revenue Gap (True Up 2020-21) : 120.36 Cr 4. Revenue Surplus (ARR 2021-22) : 47.39 Cr 5. Revenue Surplus (ARR 2022-23) : 82.82 Cr 6. Total Revenue Gap : 153.70 Cr
Mizoram	0	2020-21	2022-23	1. Revenue Gap (Till 2023) : Nil 2. The revenue gap approved each year by the Commission is met through revision in tariff and/or Government Budgetary Support.
Nagaland	-	2014-15 (Provisional)	2020-21	1. Revenue Gap (MYT 2021-25) : 293.91 Cr 2. The standalone revenue gap is to be bridged through state government subsidy. 3. The Commission has not carried out true up of 2018-19 and only provisional true up of 2014 -2015 (in the tariff order for 2017-18) is available in the absence of audited accounts.
Odisha	1,269	2013-14	2022-23	1. Total Revenue Gap (True Up FY14) : 1599.66 Cr 2. Revenue Surplus ARR FY15 : 32.54 Cr 3. Revenue Surplus ARR FY16 : 36.71 Cr 4. Revenue Surplus ARR FY17 : 15.95 Cr 5. Revenue Surplus ARR FY18 : 17.76 Cr 6. Revenue Surplus ARR FY19 : 20.39 Cr 7. Revenue Surplus ARR FY20 : 3.53 Cr 8. Revenue Surplus ARR FY21 : 78.52 Cr 9. Revenue Surplus ARR FY22 : 77.33 Cr 10. Revenue Surplus ARR FY23 : 47.61 Cr

Cumulative Revenue Gap/Surplus

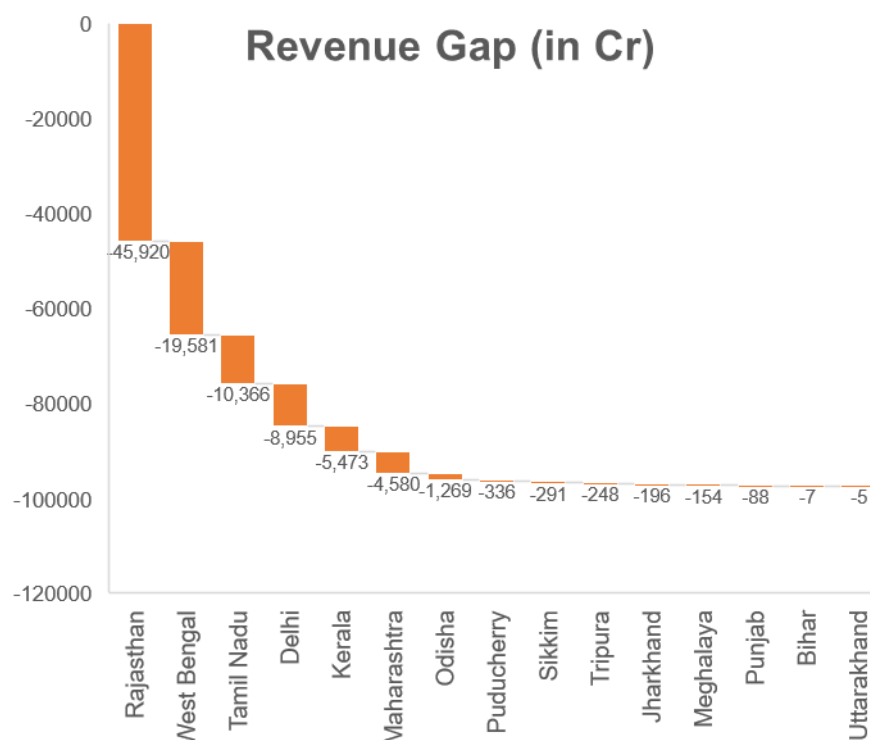
DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
				11. Cumulative Revenue Gap (till FY23) : 1269.35 Cr
Puducherry	336.16	2020-21	2022-23	1. Cumulative Revenue Gap (till 2023) : 336.16 Cr
Punjab	88.05	2020-21	2022-23	1. Cumulative Revenue Gap till 2022-23 : 88.05 Cr
Rajasthan	45,920	2019-20	2020-22	1. Cumulative Revenue Gap (2020) : 46670.11 Cr (unfunded gap up to 2019-20) 2. Revenue Gap (2021) : 149 Cr 3. Revenue Gap (2022) : 601 Cr 4. Total Revenue Gap : 45920.11 Cr
Sikkim	291.43	2020-21	2022-23	1. Revenue Gap (True Up 2020-Prov.) : 165.13 Cr 2. Revenue Gap (True Up 2021-Prov) : 17.74 Cr 3. Revenue Gap (APR 2022) : 18.40 Cr 4. Revenue Gap (ARR 2023) : 90.06 Cr 5. Total Revenue Gap : 291.43 Cr
Tamil Nadu	10,366	2015-16	2017-18	1. Cumulative Revenue Gap (till 2017, MYT Tariff Order) : 10,432 Cr (after UDAY grant) 2. Revenue Surplus at revised tariff (2017-18) : 65.70 Cr 3. Total Cumulative Revenue gap : 10366.30 Cr
Telangana	0	2016-17 (Provisional)	2022-23	1. Revenue Gap (ARR 2023) : 8221.17 Cr 2. GoTS Tariff Subsidy Commitment : 8221.17 Cr 3. Effective Revenue gap : Nil

Cumulative Revenue Gap/Surplus

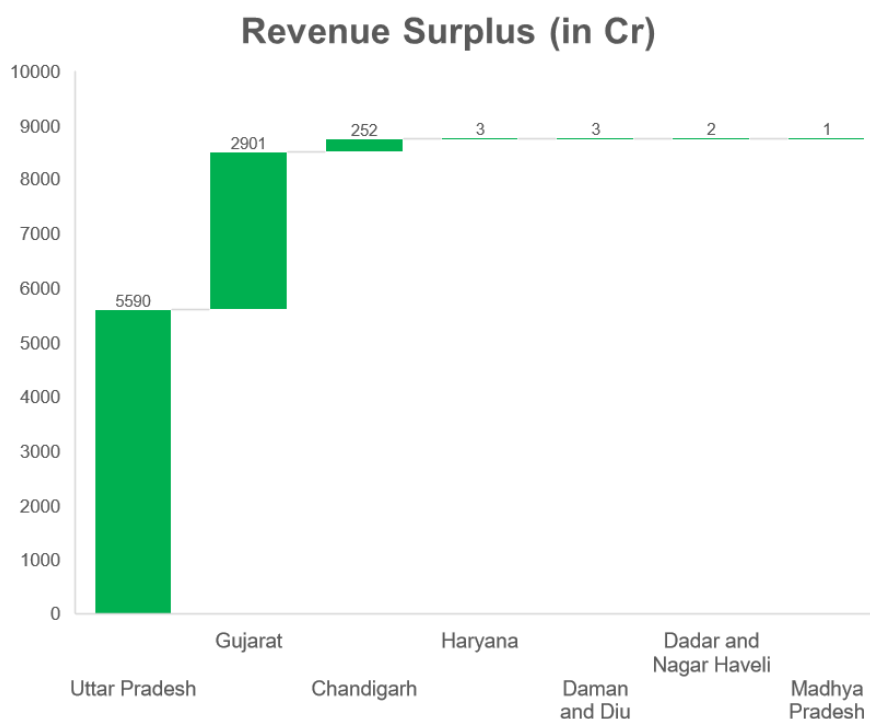
DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
Tripura	248	2016-17	2020-21	1. Cumulative Revenue Gap (till 2021) : 247.55 Cr
Uttar Pradesh	(5590)	2019-20	2021-22	1. Cumulative Revenue Surplus till 2022 : 5589.75 Cr
Uttarakhand	5.39	2020--21	2022-23	1. Revenue Gap (includes True Up 2021 and ARR 2023) : 5.39 Cr
West Bengal	19,581	2012-13	2021-22	1. Regulatory assets (till 2021 - As per audited accounts) : 19,580.57 Cr

Cumulative Revenue Gap/Surplus

Summary of findings



Total Revenue Gap for (9) States & UTs that have issued orders for 2022-23 : INR 52,651 Cr



Total Revenue surplus for (05) States & UTs having issued orders for 2022-23 : INR 2,910 Cr

Note: 11 States and UTs i.e., Andaman & Nicobar Islands, Andhra Pradesh, Assam, Chhattisgarh, Goa, Himachal Pradesh, Karnataka, Lakshadweep, Manipur, Nagaland, and Telangana, have highlighted no gap since the respective revenue gaps are bridged through government subsidy or tariff hikes



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	2022-23	Applicability (Yes/No)	No	No	No	No	No	Yes HT Commercial	Yes HT Category III (A): Industry (General)	No
Assam	2022-23	Applicability (Yes/No)	No	No	Yes Small Industries	No	No	No	Yes 1. HT-I Industries 2. HT-II Industries	Yes 1. HT-VI Tea, Coffee & Rubber plantation/production 2. HT-VII Installation of Oil & Coal sector
Bihar	2022-23	Applicability (Yes/No)	No	No	Yes 1. LTIS-I 2. LTIS-II & PWW	No	No	Yes HT Commercial	Yes 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)	Yes Railway Traction Service
Chandigarh	2021-22	Applicability (Yes/No)	Yes HT Domestic (Optional)	No	No	No	No	Yes HT Commercial (Optional)	Yes LIS _B	Yes Bulk Supply

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
Chhattisgarh	2022-23	Applicability (Yes/No)	No	No	No	No	No	No	Yes 1. HV-2 (Mines) 2. HV-3 (Other Industrial & General Purpose) 3. HV-4 Steel Industries	No
Daman and Diu	2022-23	Applicability (Yes/No)	Yes Domestic	Yes Commercial	Yes LT Industrial	Yes LT PWW	Yes Agriculture	Yes HT consumers	Yes 1. HT Industrial (Ferro Metallurgical/ Steel Melting/ Steel Rerolling/ PII _B (All units))	Yes 1. Public Lighting 2. Hoardings /Signboards 3. Temporary Supply
Delhi	2021-22	Applicability (Yes/No)	No	Yes ToD is applicable with a condition that sanctioned load/MDI (whichever is higher) is 10kW/11kVA & above						Yes (DIAL, Public Utilities, Others)
Goa	2022-23	Applicability (Yes/No)	Yes HTD Domestic	No	Yes LTI/ Industrial (Optional)	No	Yes 1. HT-AG/HT-AGP (Pump Sets/Irrigation) 2. HT-AG/HT-AG (Allied Activities)	Yes HTC Commercial	Yes 1. HTI Industrial 2. HT-Ferro/ SM/PI/SR	Yes 1. MES _B / 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
Gujarat	2022-23	Applicability (Yes/No)	No	No	No	Yes All PWW and sewerage pumps	No	Yes HTP-I HTP-III	Yes HTP-I	Yes HTP-I HTP-III
Haryana	2022-23	Applicability (Yes/No)	No	No	No	Yes EV Charging station	No	No	Yes HT NDS, Bulk Supply	Yes EV Charging station
Himachal Pradesh	2022-23	Applicability (Yes/No) ¹⁸	No	No	Yes 1. SIP _B with contract demand >20 KVA 2. MIP	No	Yes Irrigation & Drinking Water Pumping Supply (IDWPS)	No	Yes LIP _B	No
J&K and Ladakh	2016-17	Applicability (Yes/No)	No	No	No	No	No	No	Yes 1. HT Industrial supply (33KV) 2. HT Industrial supply for PIL _B (33KV)	No
Jharkhand	2020-21	Applicability (Yes/No)	No	No	No	No	No	Yes HT Institutional	Yes Industrial HTS Consumer	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
Karnataka	2022-23	Applicability (Yes/No)	No	No	Yes 1. LT-5 (a) 2. LT-5 (b)	1. LT-6 (c)	No	Yes 1. HT-2B (i) 2. HT-2B (ii)	Yes 1. HT-2A (i) 2. HT-2A (ii)	Yes 1. HT 2 C (i) 2. HT- 2C(ii) 3. HT-1 PWW & STP (Optional) 4. EV Charging Stations* and Battery Swapping Stations*
Kerala	2022-23	Applicability (Yes/No)	Yes HT-V LT-1 having monthly consumption > 500 units (only 3 phase)	No	Yes LT IV (except the pumphouses of Kerala Water Authority)	No	No	No	No	Yes EHT & HT (except HT-V Domestic) consumer
Madhya Pradesh	2022-23	Applicability (Yes/No)	No	No	No	No	No	Yes 1. HV-3.2: Non-Industrial 2. HV-3.3: Shopping Mall	Yes 1. HV-3.1: Industrial 2. HV-3.4: PII _B 3. HV-4: Seasonal	Yes 1. HV-2: Coal Mines 2. HV-5.1: PWW 3. HV-5.2: Other than Agricultural

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
Maharashtra	2022-23	Applicability (Yes/No)	No	Yes 1. LT II - LT Commercial (B) > 20 kW and ≤ 50 kW load (C) > 50 kW load	Yes 1. LT-V -LT Industry	Yes 1. LT-PWW & STP 2. LT - GEI _B & Hospitals 3. LT - Public Services - Others 4. LT –EV Charging Stations	No	Yes HT II: HT-Commercial	Yes HT I: HT – Industry	Yes 1. HT IV- PWW _B & STP _B 2. HT VIII (A)-GEI & Hospitals 3. HT VIII (B)-Public Service - Others 4. HT IX- EV Charging Stations
Meghalaya	2022-23	Applicability (Yes/No)	No	No	No	No	No	No	Yes Industrial (HT/EHT)	No
Odisha	2022-23	Applicability (Yes/No)	No	No	Yes SIP / MIP / LIP _B	Yes Specified Public Purpose PWW _B & Sewerage Pumping	Yes Irrigation Pumping, Agriculture & Allied Agro-Industrial Activities (LT & HT)	No	Yes All Industries HT & EHT category	Yes 3 Phase HT & EHT Others
Puducherry	2022-23	Applicability (Yes/No)	No	No	No	No	No	No	Yes HT/EHT Industrial	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
Punjab	2022-23	Applicability (Yes/No)	No	Yes Non-Residential Consumers Above 100 kVA	No	No	No	No	Yes MIP/ LIP _B	Yes EV Charging Stations Bulk Supply
Rajasthan	2021-22	Applicability (Yes/No)	No	No	No	Yes (EV/LT8)	No	No	Yes (HT-5)	Yes (EV/HT6)
Tamil Nadu	2017-18	Applicability (Yes/No)	No	No	No	No	No	No	Yes HT IA Industrial	No
Telangana	2022-23	Applicability (Yes/No)	No	No	No	No	No	Yes HT-III Airports, Bus stations and Railway stations	Yes HT-I(A): Industry General, Lights & Fans, Poultry Farms, Industrial Colonies Seasonal Industries	Yes HT-II (Others)
Tripura	2020-21	Applicability (Yes/No)	No	No	Yes Industrial	Yes PWW _B	Yes Irrigation	Yes Tea/Coffee/Rubber Gardens	Yes Industrial	Yes Bulk Supply having total connected load 25 KVA or above

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
Uttar Pradesh	2021-22	Applicability (Yes/No)	No	No	Yes LMV 6 Small & Medium Power	Yes LMV 3 Public Lamps LMV 11 EV Charging	No	No	Yes HV 2 Large & Heavy Power	No
Uttarakhand	2022-23	Applicability (Yes/No)	No	No	Yes RTS-5: Industry-LT Industry with load > 25 KW	No	No	No	Yes RTS-5: Industry-HT Industry	No
West Bengal	2021-22	Applicability (Yes/No)	No	Yes 1. Commercial Rural & Urban, 2. Commercial Plantation and short-term supply for commercial plantations	Yes 1. Cottage Industry/Artisans/Weavers 2. Short-term supply to small industry	Yes 1. PWW _B and sewerage system 2. Public Utility 11kv and 33kV 3. Govt aided and sponsored schools 4. Private hospitals	Yes 1. Irrigation Pumping for Agriculture 2. Short-term Supply (for I&C plantation) 3. Community I&C plantation	Yes Commercial consumer 50 kVA & above	Yes 1. Industry (Rural & Urban) 2. Industrial consumer 50 kVA & above 3. Industries 11kV & 33kV 4. Industries 220 kV & 400 kV	Yes 1. Emergency Supply 2. Construction Power Supply 3. Common Service of Industrial estate

Notes:

- For the States/UTs of Arunachal Pradesh, Manipur, Mizoram, Nagaland, Sikkim, Andaman & Nicobar Islands, Dadra & Nagar Haveli, and Lakshadweep, the commission has not approved any TOD tariffs in their latest tariff orders.
- Following Abbreviations denote: PWW: Public Water Works | STP: Sewage Treatment Plant | EV: Electric Vehicles | GEI: Government Educational Institutes | I&C: Irrigation & Commercial | SIP: Small Industrial Power Supply | MIP: Medium Industrial Power Supply | LIP: Large Industrial Power Supply | MES: Military Engineering Services | PII: Power Intensive Industries



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
Andaman & Nicobar	2021-22	11	16.00%	16.00%
EDAN	2021-22	11	16.00%	16.00%
Andhra Pradesh	2022-23	2028.5	14.00%	16.00%
APEPDCL	2022-23	572.4	14.00%	16.00%
APSPDCL	2022-23	1433.4	14.00%	16.00%
APCPDCL	2022-23	22.72	14.00%	16.00%
Arunachal Pradesh	2018-19	NA	0.00%	16.00%
Arunachal PD	2018-19	NA	0.00%	16.00%
Assam	2022-23	193.1	14.00%	16.00%
APDCL	2022-23	193.1	14.00%	16.00%
Bihar	2022-23	750.6	14.00 & 15.50 %	14% & 15.5%
NBPDCL	2022-23	412.39	14.00 & 15.50 %	14% & 15.5%
SBPDCL	2022-23	338.21	14.00 & 15.50 %	14% & 15.5%
Chandigarh	2021-22	22	15.50%-16.00%	15.50%-16.00%
CED	2021-22	Wire : 19.8 Supply : 2.30	Wire : 15.50% Supply : 16.00%	Wire : 15.50% Supply : 16.00%
Chhattisgarh	2022-23	357	16.00%	16.00%
CSPDCL	2022-23	357	16.00%	16.00%
Dadra & Nagar Haveli	2022-23	24.6	Wire : 15.50% Supply : 16.00%	Wire : 15.50% Supply : 16.00%
DNHPDCL	2022-23	24.6	Wire : 15.50% Supply : 16.00%	Wire : 15.50% Supply : 16.00%
Daman & Diu	2022-23	12	Wire : 15.50% Supply : 16.00%	Wire : 15.50% Supply : 16.00%
DDED	2022-23	12	Wire : 15.50% Supply : 16.00%	Wire : 15.50% Supply : 16.00%
Delhi	2021-22	1,288	16.00%	14.00%
BRPL	2021-22	576.4	16.00%	14.00%
BYPL	2021-22	290.3	16.00%	14.00%
TPDDL	2021-22	421.4	16.00%	14.00%
Goa	2022-23	64.4	Wire : 15.50% Supply : 16.00%	Wire : 15.50% Supply : 16.00%
Goa PD	2022-23	64.4	Wire : 15.50% Supply : 16.00%	Wire : 15.50% Supply : 16.00%
Gujarat	2022-23	1,362	14.00%	14.00%
DGVCL	2022-23	203	14.00%	14.00%
MGVCL	2022-23	177	14.00%	14.00%
UGVCL	2022-23	271.5	14.00%	14.00%
PGVCL	2022-23	710.4	14.00%	14.00%
Haryana	2022-23	487.1	10.00%	14.00%

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
DHBVNL	2022-23	236.7	10.00%	14.00%
UHBVNL	2022-23	250.3	10.00%	14.00%
Himachal Pradesh	2022-23	62.7	16.00%	16.00%
HPSEBL	2022-23	62.7	16.00%	16.00%
J&K and Ladakh	2020-21	NA	0.00%	15.50%
JKPDD	2020-21	NA	0.00%	15.50%
Jharkhand	2020-21	322	15.50%	15.50%
JBVNL	2020-21	322	15.50%	15.50%
Karnataka	2022-23		0.00%-15.50%	15.50%
BESCOM	2022-23	353	15.50%	15.50%
CESCOM	2022-23	0	0.00%	15.50%
GESCOM	2022-23	0	0.00%	15.50%
HESCOM	2022-23	0	0.00%	15.50%
MESCOM	2022-23	152	15.50%	15.50%
Kerala	2021-22	253.5	14.00%	14.00%
KSEBL	2021-22	253.5	14.00%	14.00%
Lakshadweep	2022-23	10	16.00%	16.00%
LED	2022-23	10	16.00%	16.00%
Madhya Pradesh	2022-23	821.1	14%	14%
MPMaKVVCL	2022-23	331.7	14%	14%
MPPaKVVCL	2022-23	183.2	14%	14%
MPPoKVVCL	2022-23	306.2	14%	14%
Maharashtra	2022-23	2,270	Wire : 16.96% Supply : 18.78%	Wire : 16.96% Supply : 18.78%
MSEDCL	2022-23	Wire : 2,021 Supply : 249	Wire : 16.96% Supply : 18.78%	Wire : 16.96% Supply : 18.78%
Manipur	2022-23	1.6	15.50%	15.50%
MSPDCL	2022-23	1.6	15.50%	15.50%
Meghalaya	2022-23	0	0.00%	
MePDCL	2022-23	0	0.00%	
Mizoram	2022-23	0	0.00%	15.50%
Mizoram PD	2022-23	0	0.00%	15.50%
Nagaland	2021-22	NA	0.00%	15.50%
Nagaland PD	2021-22	NA	0.00%	15.50%
Odisha	2022-23	168	16.00%	16.00%
TPCODL	2022-23	48	16.00%	16.00%
TPNODL	2022-23	40	16.00%	16.00%
TPSODL	2022-23	32	16.00%	16.00%
TPWODL	2022-23	48	16.00%	16.00%

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
Puducherry	2022-23	46.3	Wire : 15.50% Supply : 16.00%	Wire : 15.50% Supply : 16.00%
Puducherry PD	2022-23	46.3	Wire : 15.50% Supply : 16.00%	Wire : 15.50% Supply : 16.00%
Punjab	2022-23	Wire : 529.8 Supply : 58.80	16.00%	16.00%
PSPCL	2022-23	Wire : 529.8 Supply : 58.80	16.00%	16.00%
Rajasthan	2021-22	0	0.00%	16.00%
AVVNL	2021-22	0	0.00%	16.00%
JdVVNL	2021-22	0	0.00%	16.00%
JVVNL	2021-22	0	0.00%	16.00%
Sikkim	2022-23	0	0.00%	14.00%
Sikkim PD	2022-23	0	0.00%	14.00%
Tamil Nadu	2017-18	NA	0.00%	14.00%
TANGEDCO	2017-18	NA	0.00%	14.00%
Telangana	2022-23	438.2	14.00%	14.00%
TSNPDCL	2022-23	174.7	14.00%	14.00%
TSSPDCL	2022-23	263.5	14.00%	14.00%
Tripura	2020-21	17.41	15.50%	15.50%
TSECL	2020-21	17.41	15.50%	15.50%
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	2022-23	154.7	16.50%	16.50%
UPCL	2022-23	154.7	16.50%	16.50%
West Bengal	2021-22	322.1	16.50%	16.50%
WBSEDCL	2021-22	322.1	16.50%	16.50%

Notes:

- 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.
- For the state of Mizoram, Return on Equity is not considered for 2022-23 like the convention hitherto being followed in the absence of Equity.

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
Andaman & Nicobar	2020-21	NA	NA	15.50%
ED Andaman & Nicobar	2020-21	NA	NA	15.50%
Andhra Pradesh	2022-23	553.2	15.50%	15.50%
APGENCO	2022-23	553.2	15.50%	15.50%
Arunachal Pradesh	2019-20	23	14.00%	17.56%
Arunachal PD	2019-20	23	14.00%	17.56%
Assam	2022-23	43.8	15.50%	15.50%
APGCL	2022-23	43.8	15.50%	15.50%
Bihar	2018-19	245	14.00%	14.00%
BSPGCL	2018-19	245	14.00%	14.00%
Chandigarh	2020-21	NA	NA	15.50%
Chandigarh ED	2020-21	NA	NA	15.50%
Chhattisgarh	2022-23	416	14.00%	14.00%
CSPGCL	2022-23	416	14.00%	14.00%
Dadra & Nagar Haveli	2020-21	NA	NA	15.50%
DNHPDCL	2020-21	NA	NA	15.50%
Daman & Diu	2020-21	NA	NA	15.50%
Daman & Diu ED	2020-21	NA	NA	15.50%
Delhi	2021-22	53	8.72%	NA
IPGCL	2021-22	15	8.43%	NA
PPCL	2021-22	38	6.33%	NA
Goa	2020-21	NA	NA	15.50%
Goa PD	2020-21	NA	NA	15.50%
Gujarat	2022-23	1078	13.00%-14.00%	13.00%-14.00%
GSECL	2022-23	1078	13.00%-14.00%	13.00%-14.00%
Haryana	2022-23	211.5	10.00%	14.00%
HPGCL	2022-23	211.5	10.00%	14.00%
Himachal Pradesh	2021-22	28.76	15.50%	15.50%
HPSEB Ltd.	2021-22	28.76	15.50%	15.50%
J&K and Ladakh	2015-16	254	14.00%	15.50% & 16.50%
JKSPDC	2015-16	254	14.00%	15.50% & 16.50%
Jharkhand	2020-21	3	15.50%	15.50%
JUUNL	2020-21	3	15.50%	15.50%
Karnataka	2018-19	31	15.50%	15.50%
KPCL	2018-19	31	15.50%	15.50%
Kerala	2021-22	116	14.00%	14.00%
KSEBL	2021-22	116	14.00%	14.00%
Lakshadweep	2020-21	NA	NA	15.50%
Lakshadweep ED	2020-21	NA	NA	15.50%
Madhya Pradesh	2022-23	816.42	15.50%	15.50%
MPPGCL	2022-23	816.42	15.50%	15.50%
Maharashtra	2022-23	1,621	14.00%	15.50%

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
MSPGCL	2022-23	1,621	14.00%	15.50%
Manipur	2021-22	1.6	NA	15.50%
MSPCL	2021-22	1.6	NA	15.50%
Meghalaya	2022-23	63.3	NA	NA
MePGCL	2022-23	63.3	NA	NA
Mizoram	2022-23	0	0.00%	15.50%
Mizoram PD	2022-23	0	0.00%	15.50%
Nagaland	2020-21	0	0.00%	15.50%
Nagaland PD	2020-21	0	0.00%	15.50%
Odisha	2022-23	156	16.00%	16.00%
OHPC	2022-23	84	15.50% & 16.00%	15.50% & 16.00%
OPGCL	2022-23	72	16.00%	16.00%
Puducherry	2020-21	11	15.50%	15.50%
PPCL	2020-21	11	15.50%	15.50%
Punjab	2022-23	386	15.50% - 16.50%	15.50% - 16.50%
PSPCL	2022-23	386	15.50% - 16.50%	15.50% - 16.50%
Rajasthan	2022-23	0	0.0%	15.00%
RRVUNL	2022-23	0	0.0%	15.00%
Sikkim	2020-21	0	0.00%	14.00%
Sikkim PD	2020-21	0	0.00%	14.00%
Tamil Nadu	2018-19	0	0.00%	14.00%
TANGEDCO	2018-19	0	0.00%	14.00%
Telangana	2022-23	1625.4	15.50% - 16.50%	16.50%
TSGENCO	2022-23	1625.4	15.50% - 16.50%	16.50%
Tripura	2020-21	12	15.50% -16.50%	15.50% - 16.50%
TPGL	2020-21	12	15.50% -16.50%	15.50% - 16.50%
Uttar Pradesh	2018-19	136	15.50%	15.50%
UPJVNL	2018-19	11.4	15.50%	15.50%
UPRVUNL	2018-19	124.3	15.50%	15.50%
Uttarakhand	2022-23	63.24	16.5% &15.50%	16.5% &15.50%
UJVNL	2022-23	63.24	16.5% &15.50%	16.5% &15.50%
West Bengal	2021-22	912	0.00% & 15.50%	15.50%
WBPCL	2022-23	864.5	15.50%	15.50%
WBSEDCL	2019-20	47.2	15.50%	15.50%

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
Andaman & Nicobar	2020-21	NA	NA	15.50%
ED Andaman & Nicobar	2020-21	NA	NA	15.50%
Andhra Pradesh	2022-23	1349	11.23%	14.00%
APTRANSCO	2022-23	1349	11.23%	14.00%
Arunachal Pradesh	2018-19	NA	NA	14.00%
Arunachal PD	2018-19	NA	NA	14.00%
Assam	2022-23	13.7	13.50%	15.50%
AEGCL	2022-23	13.7	13.50%	15.50%
Bihar	2022-23	278.2	10.00%	14.00 & 15.50%
BSPTCL	2022-23	278.2	10.00%	14.00 & 15.50%
Chandigarh	2020-21	NA	NA	14.00%
Chandigarh ED	2020-21	NA	NA	14.00%
Chhattisgarh	2022-23	212	14.00%	14.00%
CSPTCL	2022-23	212	14.00%	14.00%
Dadra & Nagar Haveli	2022-23	8.2	15.50%	15.50%
DNHPDCL	2022-23	8.2	15.50%	15.50%
Daman & Diu	2022-23	NA	NA	15.50%
Daman & Diu ED	2022-23	NA	NA	15.50%
Delhi	2021-22	484	NA	14.00%
DTL	2021-22	484	NA	14.00%
Goa	2022-23	NA	NA	15.50%
Goa PD	2022-23	NA	NA	15.50%
Gujarat	2022-23	1,154.2	14.00%	14.00%
GETCO	2022-23	1,154.2	14.00%	14.00%
Haryana	2022-23	267.88	10.00%	14.00%
HVPNL	2022-23	267.88	10.00%	14.00%
Himachal Pradesh	2022-23	3.3	15.50%	15.50%
HPPTCL	2022-23	3.3	15.50%	15.50%
J&K and Ladakh	2016-17	NA	NA	NA
JKPDD-T	2016-17	NA	NA	NA
Jharkhand	2020-21	92	15.50%	15.50%
JUSNL	2020-21	92	15.50%	15.50%
Karnataka	2022-23	1027.69	15.50%	15.50%
KPTCL	2022-23	1027.69	15.50%	15.50%
Kerala	2021-22	120	14.00%	14.00%
KSEBL	2021-22	120	14.00%	14.00%
Lakshadweep	2022-23	NA	NA	15.50%
Lakshadweep ED	2022-23	NA	NA	15.50%
Madhya Pradesh	2022-23	644.8	15.50%	15.50%

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
MPPTCL	2022-23	644.8	15.50%	15.50%
Maharashtra	2022-23	1,189	16.96%	14.00%
MSETCL	2022-23	1,189	16.96%	14.00%
Manipur	2022-23	1.6	15.50%	15.50%
MSPCL	2022-23	1.6	15.50%	15.50%
Meghalaya	2022-23	15.7	14.00%	14.00%
MePTCL	2022-23	15.7	14.00%	14.00%
Mizoram	2022-23	NA	NA	15.50%
Mizoram PD	2022-23	NA	NA	15.50%
Nagaland	2020-21	0	0.00%	15.50%
Nagaland PD	2020-21	0	0.00%	15.50%
Odisha	2022-23	141.67	15.50%	15.50%
OPTCL	2022-23	141.67	15.50%	15.50%
Puducherry	2020-21	NA	NA	15.50%
Puducherry PD	2020-21	NA	NA	15.50%
Punjab	2023-23	112.6	15.50%	15.50%
PSTCL	2023-23	112.6	15.50%	15.50%
Rajasthan	2021-22	0	0.00%	14.00%
RRVPNL	2021-22	0	0.00%	14.00%
Sikkim	2020-21	NA	NA	14.00%
Sikkim PD	2020-21	NA	NA	14.00%
Tamil Nadu	2018-19	445	14.00%	14.00%
TANTRANSCO	2018-19	445	14.00%	14.00%
Telangana	2022-23	1532.2	10.89%	NA
TSTRANSCO	2022-23	1532.2	10.89%	NA
Tripura	2020-21	4	15.50%	15.50%
TSECL	2020-21	4	15.50%	15.50%
Uttar Pradesh	2021-22	173	2.00%	15.50%
UPPTCL	2021-22	173	2.00%	15.50%
Uttarakhand	2022-23	48.42	15.50%	15.50%
PTCUL	2022-23	48.42	15.50%	15.50%
West Bengal	2021-22	581.5	15.50%	15.50%
WBSETCL	2021-22	581.5	15.50%	15.50%



SECTION 11

TRANSMISSION CHARGES



Transmission Charges

	Applicable Year	Long & Medium Term	Unit	Short Term	Unit
Andhra Pradesh¹	2022-23	173790.31	Rs/MW/month	154544	Rs/MW/month
APTRANSCO	2022-23	173790.31	Rs/MW/month	154544	Rs/MW/month
Arunachal Pradesh	2018-19	71253.00	Rs/MW/month	-	-
Arunachal PD	2018-19	71253.00	Rs/MW/month	0.20	Rs/kWh
Assam¹	2022-23	164594.05	Rs/MW/month	0.43	Rs/kWh
AEGCL	2022-23	164594.05	Rs/MW/month	0.43	Rs/kWh
Bihar	2022-23	114.35	Rs. Cr./month	0.40	Rs/kWh
BSPTCL	2022-23	114.35	Rs. Cr./month	0.40	Rs/kWh
Chhattisgarh¹	2022-23	83.92	Rs. Cr./month	0.34	Rs/kWh
CSPTCL	2022-23	83.92	Rs. Cr./month	0.34	Rs/kWh
Dadra & Nagar Haveli	2022-23	24935.60	Rs/MW/month	24935.6	Rs/MW/month
DNHPDCL	2022-23	24935.60	Rs/MW/month	24935.6	Rs/MW/month
Delhi	2021-22	92.86	Rs. Cr./month	-	-
DTL	2021-22	92.86	Rs. Cr./month	-	-
Gujarat¹	2022-23	123114.31	Rs/MW/month	0.36	Rs/kWh
GETCO	2022-23	129343	Rs/MW/month	0.36	Rs/kWh
Haryana	2022-23	184.04	Rs. Cr./month	0.42	Rs/kWh
HVPNL	2022-23	184.04	Rs. Cr./month	0.42	Rs/kWh
Himachal Pradesh	2022-23	3.02	Rs. Cr./month	0.07	Rs/kWh
HPPTCL	2022-23	3.02	Rs. Cr./month	0.07	Rs/kWh
J&K and Ladakh	2015-16	33640.00	-	-	-
JKPDD-T	2015-16	33640.00	-	-	-
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	2022-23	169433.00	Rs/MW/month	1,392.60 ^{2a}	Rs. Cr./month
				696.30 ^{2b}	
				348.15 ^{2c}	
KPTCL	2022-23	169433.00	Rs/MW/month	1,392.60 ^{2a}	Rs. Cr./month
				696.30 ^{2b}	
				348.15 ^{2c}	
Kerala	2022-23	0.44	Rs/kWh	-	-
KSEBL	2022-23	0.44	Rs/kWh	-	-
Madhya Pradesh	2022-23	145739.34	Rs/MW/month	0.13	Rs/kWh
MPPTCL	2022-23	145739.34	Rs/MW/month	0.13	Rs/kWh
Maharashtra¹	2022-23	260092.34	Rs/MW/month	0.41	Rs/kWh
MSETCL	2022-23	260092.34	Rs/MW/month	0.41	Rs/kWh
Manipur	2022-23	193378.67	Rs/MW/month	0.48	Rs/kWh
MSPCL	2022-23	193378.67	Rs/MW/month	0.48	Rs/kWh
Meghalaya	2022-23	250990.44	Rs/MW/month	0.47	Rs/kWh
MePTCL	2022-23	250990.44	Rs/MW/month	0.47	Rs/kWh
Odisha	2022-23	0.28	Rs/kWh	0.28	Rs/kWh
OPTCL	2022-23	0.28	Rs/kWh	0.28	Rs/kWh
Punjab¹	2022-23	99878.94	Rs/MW/month	-	Rs/kWh

Transmission Charges

	Applicable Year	Long & Medium Term	Unit	Short Term	Unit
PSTCL	2022-23	99878.94	Rs/MW/month	-	Rs/kWh
Rajasthan¹	2021-22	163912.37	Rs/MW/month	0.27	Rs/kWh
RRVNL	2021-22	163912.37	Rs/MW/month	0.27	Rs/kWh
Tamil Nadu	2017-18	91119.00	Rs/MW/month	-	-
TANTRANSCO	2017-18	91119.00	Rs/MW/month	-	-
Telangana	2022-23	129450.69	Rs/MW/month	-	-
TSTRANSCO	2022-23	129450.69	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	2022-23	102744.76	Rs/MW/month	-	-
PTCUL	2022-23	102744.76	Rs/MW/month	-	-
West Bengal	2021-22	188426.00	Rs/MW/month	-	-
WBSETCL	2021-22	188426.00	Rs/MW/month	-	-

Remarks:

1. 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.
2. (2a) >12 to 24 hours/day/block (2b) >6 to 12 hours/day/block (2c) Upto 6 hours/day/block



SECTION 12

NUMBER OF PENDING CASES



Number of Pending Cases

	Petitions Pending			Tariff Petitions			True-up Petitions			Dispute Related			Other cases		
Pending for (Months)→	<3	3-6	>6	<3	3-6	>6	<3	3-6	>6	<3	3-6	>6	<3	3-6	>6
Organization															
APTEL	131	103	1872	-	-	-	-	-	-	-	-	-	131	103	1872
CERC	99	63	572	6	18	115	8	12	138	61	27	294	24	6	25
SERC/JERC															
Andhra Pradesh	40	18	39	17	4	12	0	0	0	23	14	27	0	0	0
Arunachal Pradesh	3	0	4	2	0	4	1	0	0	0	0	0	0	0	0
Assam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bihar	10	0	1	5	0	0	5	0	1	0	0	0	0	0	0
Chhattisgarh	13	2	22	1	0	7	0	1	7	2	0	7	10	1	1
Delhi	12	29	64	1	6	0	1	6	0	0	1	13	10	16	51
Goa	3	3	0	3	1	0	0	0	0	0	0	0	0	2	0
Gujarat	17	21	123	0	0	0	0	0	0	3	8	49	14	13	74
Haryana	7	7	14	0	0	3	0	0	0	6	6	11	1	1	0
Himachal Pradesh	13	16	17	7	7	5	0	0	1	0	1	2	6	8	9
J&K and Ladakh	13	0	0	6	0	0	6	0	0	0	0	0	1	0	0
Jharkhand	8	0	37	0	0	13	0	0	8	8	0	12	0	0	4
Karnataka	14	21	175	0	0	0	0	0	0	0	0	0	14	21	175
Kerala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madhya Pradesh	31	1	3	3	0	0	1	1	0	18	0	2	9	0	1
Maharashtra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Manipur & Mizoram	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meghalaya	7	5	5	3	0	0	4	2	0	0	3	5	0	0	0
Nagaland	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0

Number of Pending Cases

	Petitions Pending			Tariff Petitions			True-up Petitions			Dispute Related			Other cases		
Pending for (Months)→	<3	3-6	>6	<3	3-6	>6	<3	3-6	>6	<3	3-6	>6	<3	3-6	>6
Odisha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Punjab	14	19	24	0	2	2	0	1	1	1	0	4	13	16	17
Rajasthan	29	11	35	9	1	13	0	0	0	20	10	22	0	0	0
Sikkim	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tamil Nadu	23	17	82	0	0	1	0	0	0	10	7	10	13	10	71
Telangana	41	3	38	4	0	10	0	0	8	37	3	20	0	0	0
Tripura	37	3	20	0	0	0	0	0	0	37	3	20	0	0	0
Uttar Pradesh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Uttarakhand	6	1	4	0	0	0	0	0	0	0	0	0	6	1	4
West Bengal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

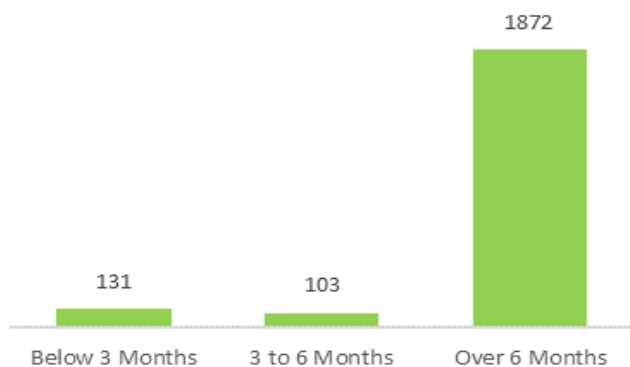
Notes:

- ‘-’ denotes data not provided by the states.
- Regulatory commission of 7 States/UTs namely Assam, Kerala, Maharashtra, Odisha, Sikkim, 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

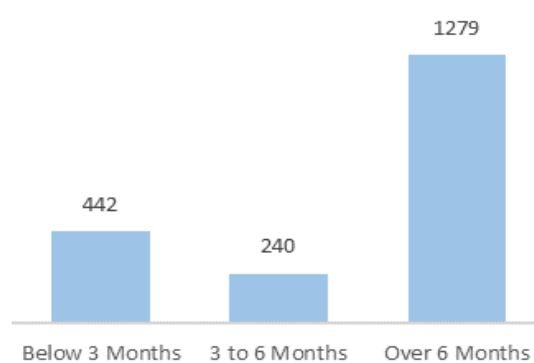
Number of Pending Cases

Summary of findings:

No of Cases pending with APTEL

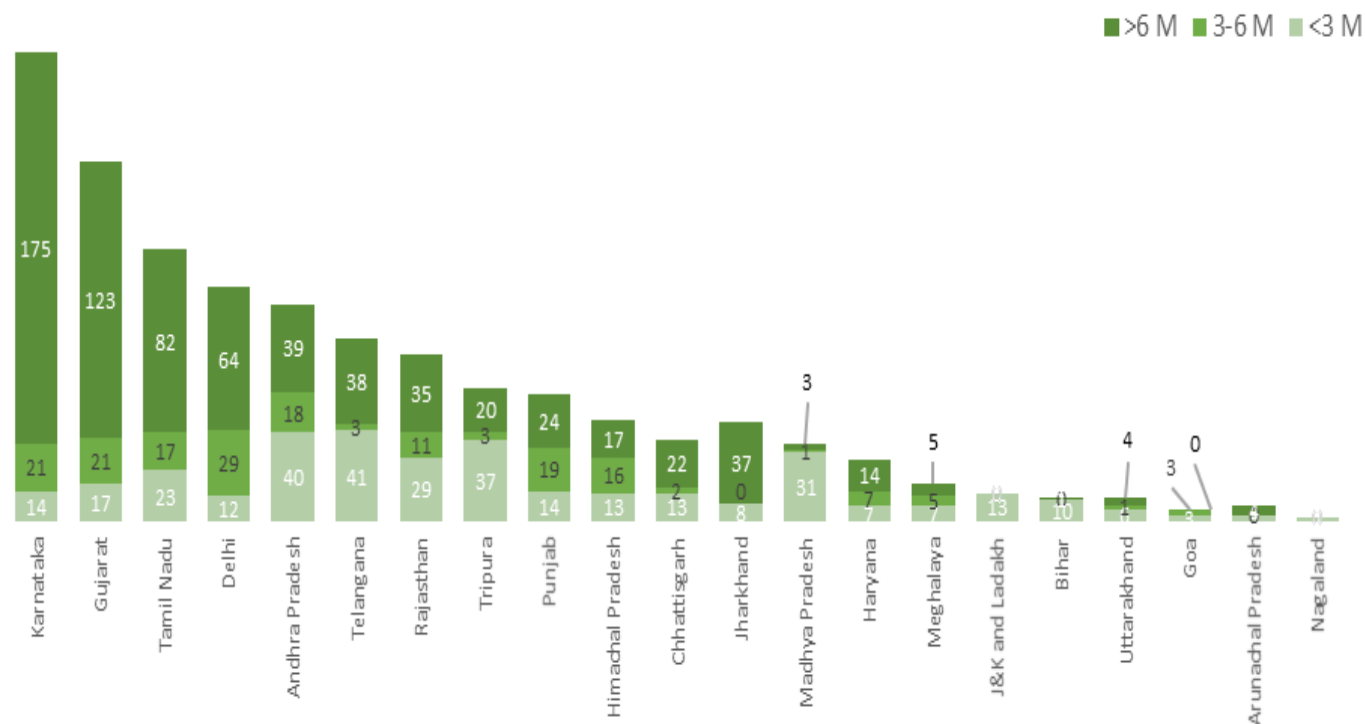


No of Cases pending with CERC/SERCs/JERC



a) Total 4,002 Petitions are pending across APTEL and ERCs as on June 2022

Pending Cases across categories in each state



a) Total 1,227 Petitions (Tariff, Dispute related and Others) are pending across all SERCs/JERC as on June 2022



SECTION 13

ALIGNMENT OF ELECTRICITY RULES 2020 (RIGHTS OF CONSUMERS)



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 circles status
Alignment of DISCOM's Regulations/Standard of Performance (SOP)/Supply Code with above timelines										
Andaman & Nicobar										
ED Andaman & Nicobar	●	●	● 15 days	● 30 days	●	●	●	●	●	3
Andhra Pradesh										
APEPDCL	●	●	● 7 Days	●	●	●	●	●	●	7
APSPDCL	●	●	● 7 Days	●	●	●	●	●	●	8
APCPDCL	●	●	● 7 Days	●	●	●	●	●	●	3
Arunachal Pradesh										
Arunachal PD	●	●	● Up to 30 days in remote areas	●	●	●	●	●	●	8

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	
Assam										
APDCL	●	●	● Urban - 15 Days Rural - 30 Days	●	●	●	●	●	●	15
Bihar										
NBPDCL	●	●	● 7 - 14 Days	●	●	●	●	●	●	2
SBPDCL	●	●	● 7 - 14 Days	●	●	●	●	●	●	3
Chandigarh										
Chandigarh ED	●	●	● 15 days	● 30 days	●	●	●	●	●	1
Chhattisgarh										
CSPDCL	●	●	● 7 – 14 days – attributable to consumer	●	●	●	●	●	●	3
Dadra & Nagar Haveli										
DNHPDCL	●	●	● 15 days	● 30 days	●	●	●	●	●	1
Daman & Diu										

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	
Daman & Diu ED	●	●	● 15 days	● 30 days	●	●	●	●	●	1
Delhi										
BRPL	●	●	● 15 Days	●	●	●	●	●	●	1
BYPL	●	●	● 15 Days	●	●	●	●	●	●	1
TPDDL	●	●	● 15 Days	●	●	●	●	Yes	●	1
Goa										
Goa PD	●	●	● 15 days	●	●	●	●	●	●	1
Gujarat										
DGVCL	●	●	● Rural & Urban : 7 Days	●	●	●	●	●	●	3
MGVCL	●	●	● Rural & Urban : 7 Days	●	●	●	●	●	●	5
UGVCL	●	●	● Rural & Urban : 7 Days	●	●	●	●	●	●	4

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	
PGVCL	●	●	● Rural & Urban : 7 Days	● 30 Days	●	●	●	●	●	3
Haryana										
DHBVNL	●	●	●	●	●	●	●	●	●	1
UHBVNL	●	●	●	●	●	●	●	●	●	1
Himachal Pradesh										
HPSEBL	●	●	● Within 15 days – Rural Within 7 days - Urban	●	●	●	● 90-180 days from approval letter	●	●	1
J&K and Ladakh										
JKPDD	●	●	● 15 days	●	●	●	●	●	●	0
JPDCCL	●	●	● 15 days	●	●	●	●	●	●	3
KPDCL	●	●	● 15 days	●	●	●	●	●	●	4
Jharkhand										
JBVNL	●	●	●	● 30 Days	●	●	●	●	●	5

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	
Karnataka										
BESCOM	●	●	●	●	●	●	●	●	●	6
CESCOM	●	●	●	●	●	●	●	●	●	-
GESCOM	●	●	●	●	●	●	●	●	●	1
HESCOM	●	●	●	●	●	●	●	●	●	7
MESCOM	●	●	●	●	●	●	●	●	●	4
Kerala										
KSEBL	●	●	● Within 24 hours of payment of charges by the consumer	●	●	●	●	●	●	3
Lakshadweep										
Lakshadweep ED	-	-	-	-	-	-	-	-	-	
Madhya Pradesh										
MPMaKVCL	●	●	●	●	●	●	●	●	●	1
MPPaKVCL	●	●	●	●	●	●	●	●	●	2

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	
MPPoKVVCL	●	●	●	●	●	●	●	●	●	4
Maharashtra										
MSEDCL	●	●	● Subsequent billing	● 30 days	●	●	●	Yes	●	16
TPCL	●	●	● Subsequent billing	● 30 days	●	●	●	Yes	●	1
BEST	●	●	● Subsequent billing	● 30 days	●	●	●	Yes	●	1
Manipur										
MSPDCL	●	●	● At least 7 days	●	●	●	●	●	●	1
Meghalaya										
MePDCL	●	●	●	●	●	●	●	●	●	1
Mizoram										
Mizoram PD	●	●	● At least 7 days	●	●	●	●	●	●	1
Nagaland										
Nagaland PD	●	●	● At least 7 days	●	●	●	●	●	●	0

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	
Odisha										
TPCODL	●	●	● 30 days	● 10 days	●	●	●	●	●	4
TPNODL	●	●	● 30 days	● 10 days	●	●	●	●	●	2
TPSODL	●	●	● 30 days	● 10 days	●	●	●	●	●	2
TPWODL	●	●	● 30 days	● 10 days	●	●	●	●	●	3
Puducherry										
Puducherry PD	●	●	● 15 days	● 30 days	●	●	●	●	●	1
Punjab										
PSPCL	●	●	● Within 5 days	●	●	●	●	●	●	16
Rajasthan										
AVVNL	●	●	●	●	●	●	●	●	●	●
JdVVNL	●	●	●	●	●	●	●	●	●	●

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	
JVVNL	●	●	●	●	●	●	●	●	●	●
Sikkim										
Sikkim PD	●	●	● 7 days	●	●	●	●	●	●	1
Tamil Nadu										
TANGEDCO	●	●	● Within 30 days	●	●	●	●	●	●	38
Telangana										
TSNPDCL	●	●	● Within 7 days	●	●	● Within 21 days	●	●	●	16
TSSPDCL	●	●	● Within 7 days	●	●	● Within 21 days	●	●	●	12
Tripura										
TSECL	●	●	● Within 3 to 15 days depending on the region	●	●	●	●	●	●	8
Uttar Pradesh										
DVVNL	●	●	● Within 15 days	● 30 Days	●	●	●	●	●	5

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	
KESCO	●	●	● Within 15 days	● 30 Days	●	●	●	●	●	2
MVVNL	●	●	● Within 15 days	● 30 Days	●	●	●	●	●	3
PaVVNL	●	●	● Within 15 days	● 30 Days	●	●	●	●	●	3
PuVVNL	●	●	● Within 15 days	● 30 Days	●	●	●	●	●	5
Uttarakhand										
UPCL	●	●	● Within 15 days	●	●	●	●	●	●	9
West Bengal										
WBSEDCL	●	●	●	●	●	●	●	●	●	17

● Aligned to Electricity Rules

● Not aligned to electricity rules

● Regulation available at ERC; Data not specified

Notes:

1. Data in this section has been collected from individual SoPs, Supply Codes and Roof top solar regulations published by individual ERCs
2. Due to the unavailability of timelines across each region (rural / urban / metro cities) for ERCs under release of supply category, timeline to align has been considered as 30 days (maximum).



SECTION 14

POWER PROCUREMENT >>>>> COST OF DISCOMs

Power Procurement Cost of DISCOMs

(IN Rs/kWh)

	2018-19			2019-20			2020-21		
	Approved	Actual	Difference	Approved	Actual	Difference	Approved	Actual	Difference
Andaman & Nicobar	16.43	16.79	-0.35	15.66	16.91	-1.25	17.02	17.75	-0.73
ED Andaman & Nicobar	16.43	16.79	-0.35	15.66	16.91	-1.25	17.02	17.75	-0.73
Andhra Pradesh*	4.80	4.44	0.37	4.76	3.89	0.87	5.41	4.43	0.98
APEPDCL	4.80	4.44	0.37	4.59	3.86	0.73	4.63	4.42	0.22
APSPDCL				4.77	3.90	0.87	5.88	4.43	1.45
APCPDCL	NA	NA	NA	NA	NA	NA	4.93	4.46	0.47
Arunachal Pradesh	2.75	N/A	NA	N/A	N/A	NA	N/A	N/A	NA
Arunachal PD	2.75	N/A	NA	N/A	N/A	NA	N/A	N/A	NA
Assam*	4.40	4.01	0.39	4.53	4.06	0.47	4.16	4.24	-0.08
APDCL	4.40	4.01	0.39	4.53	4.06	0.47	4.16	4.24	-0.08
Bihar*	4.22	3.77	0.45	4.11	4.27	-0.16	4.26	4.31	-0.05
NBPDCL	4.21	3.81	0.41	4.11	4.24	-0.13	4.26	4.31	-0.06
SBPDCL	4.22	3.73	0.49	4.11	4.31	-0.20	4.26	4.31	-0.05
Chandigarh	3.57	3.48	0.10	3.66	3.26	0.40	3.46	N/A	NA
Chandigarh ED	3.57	3.48	0.10	3.66	3.26	0.40	3.46	N/A	NA
Chhattisgarh*	2.85	3.41	-0.56	2.67	3.60	-0.93	2.84	3.54	-0.71
CSPDCL	2.85	3.41	-0.56	2.67	3.60	-0.93	2.84	3.54	-0.71
Dadra & Nagar Haveli*	4.35	3.91	0.44	4.22	4.47	-0.25	4.07	3.71	0.35
DNHPDCL	4.35	3.91	0.44	4.22	4.47	-0.25	4.07	3.71	0.35
Daman & Diu*	3.76	3.35	0.41	3.54	3.86	-0.32	3.74	3.73	0.01
Daman & Diu ED	3.76	3.35	0.41	3.54	3.86	-0.32	3.74	3.73	0.01
Delhi	4.25	4.70	-0.45	4.33	4.74	-0.41	4.20	N/A	NA
BRPL	3.59	4.52	-0.93	4.32	4.51	-0.19	4.27	N/A	NA
BYPL	4.78	5.05	-0.27	4.68	4.50	0.18	3.46	N/A	NA
NDMC	5.27	5.65	-0.38	5.30	5.77	-0.47	5.41	N/A	NA
TPDDL	3.82	4.61	-0.80	4.79	5.09	-0.30	4.50	N/A	NA
Goa*	3.81	N/A	NA	3.56	N/A	NA	3.16	N/A	NA
Goa PD	3.81	N/A	NA	3.56	N/A	NA	3.16	N/A	NA
Gujarat*	4.40	4.49	-0.09	4.62	4.51	0.11	3.82	3.62	0.20
DGVCL	5.49	5.66	-0.17	5.61	5.65	-0.04	4.97	5.22	-0.25
MGVCL	4.12	4.54	-0.42	4.43	4.41	0.02	4.21	4.33	-0.12
PGVCL	3.99	4.05	-0.06	4.02	4.03	-0.01	3.92	3.87	0.05
UGVCL	4.61	4.15	0.45	4.70	4.26	0.44	3.78	3.30	0.48
Haryana*	4.76	4.91	-0.15	4.65	4.95	-0.30	3.28	3.80	-0.52
DHBVNL	4.33	4.90	-0.57	4.22	4.92	-0.70	3.28	3.80	-0.52

Power Procurement Cost of DISCOMs

	2018-19			2019-20			2020-21		
	Approved	Actual	Difference	Approved	Actual	Difference	Approved	Actual	Difference
UHBVNL	4.80	4.93	-0.13	4.98	4.98	0.00	3.28	3.80	-0.53
Himachal Pradesh*	2.86	2.99	-0.13	2.77	2.49	0.28	2.68	2.45	0.22
HPSEBL	2.86	2.99	-0.13	2.77	2.49	0.28	2.68	2.45	0.22
J&K and Ladakh	2.22	N/A	NA	2.56	N/A	NA	2.47	N/A	NA
JKPDD	2.22	N/A	NA	2.56	N/A	NA	2.47	N/A	NA
Jharkhand	3.59	4.06	-0.47	3.87	N/A	NA	N/A	N/A	NA
JBVNL	3.59	4.06	-0.47	3.87	N/A	NA	N/A	N/A	NA
Karnataka*	4.18	4.47	-0.29	4.73	4.58	0.15	4.26	4.36	-0.10
BESCOM	4.38	5.16	-0.78	5.20	5.37	-0.17	4.46	4.56	-0.10
CHESCOM	3.98	3.59	0.38	3.67	3.48	0.19	3.97	3.96	0.01
GESCOM	3.90	3.81	0.10	4.54	4.44	0.10	3.98	4.07	-0.09
HESCOM	3.99	4.29	-0.30	3.42	3.60	-0.18	4.12	4.29	-0.17
MESCOM	4.13	3.34	0.80	4.54	4.14	0.40	4.24	4.38	-0.14
Kerala	2.97	3.93	-0.96	3.58	3.96	-0.38	3.09	3.24	-0.15
KSEBL	2.97	3.93	-0.96	3.58	3.96	-0.38	3.09	3.24	-0.15
Lakshadweep*	14.95	16.89	-1.94	15.43	N/A	NA	15.82	N/A	NA
Lakshadweep ED	14.95	16.89	-1.94	15.43	N/A	NA	15.82	N/A	NA
Madhya Pradesh*	3.47	3.35	0.12	3.78	3.64	0.14	3.57	3.70	-0.13
MPMaKVVCL	3.19	3.45	-0.26	3.62	3.77	-0.15	3.43	3.72	-0.29
MPPaKVVCL	3.54	3.30	0.24	3.61	3.53	0.08	3.84	4.22	-0.38
MPPoKVVCL	3.67	3.31	0.35	3.81	3.67	0.14	3.39	3.05	0.34
Maharashtra*	3.19	4.12	-0.93	3.42	N/A	NA	3.59	N/A	NA
MSEDCL	3.19	4.12	-0.93	3.42	N/A	NA	3.59	N/A	NA
Manipur*	4.58	3.88	0.71	4.11	3.60	0.51	3.73	N/A	NA
MSPDCL	4.58	3.88	0.71	4.11	3.60	0.51	3.73	N/A	NA
Meghalaya*	2.54	2.85	-0.31	3.05	3.27	-0.22	2.86	N/A	NA
MePDCL	2.54	2.85	-0.31	3.05	3.27	-0.22	2.86	N/A	NA
Mizoram*	4.14	3.98	0.16	4.76	4.43	0.33	4.49	4.94	-0.44
Mizoram PD	4.14	3.98	0.16	4.76	4.43	0.33	4.49	4.94	-0.44
Nagaland*	4.28	N/A	NA	4.21	N/A	NA	4.16	N/A	NA
Nagaland PD	4.28	N/A	NA	4.21	N/A	NA	4.16	N/A	NA
Odisha*	3.91	N/A	NA	3.76	N/A	NA	3.44	N/A	NA
CESU	3.83	N/A	NA	3.59	N/A	NA	3.39	N/A	NA
NESCO Utility	4.11	N/A	NA	3.87	N/A	NA	3.65	N/A	NA
SOUTHCO Utility	2.78	N/A	NA	2.77	N/A	NA	2.48	N/A	NA
WESCO Utility	4.38	N/A	NA	4.08	N/A	NA	3.78	N/A	NA

Power Procurement Cost of DISCOMs

	2018-19			2019-20			2020-21		
	Approved	Actual	Difference	Approved	Actual	Difference	Approved	Actual	Difference
Puducherry*	4.26	3.80	0.46	4.10	3.91	0.19	4.09	3.87	0.21
Puducherry PD	4.26	3.80	0.46	4.10	3.91	0.19	4.09	3.87	0.21
Punjab*	4.51	4.30	0.21	4.65	4.49	0.16	4.24	3.91	0.33
PSPCL	4.51	4.30	0.21	4.65	4.49	0.16	4.24	3.91	0.33
Rajasthan	3.93	4.02	-0.09	4.22	4.13	0.09	4.02	N/A	NA
AVVNL	3.97	4.17	-0.21	4.03	4.09	-0.06	4.02	N/A	NA
JdVVNL	3.95	3.94	0.01	4.09	4.11	-0.02	4.02	N/A	NA
JVVNL	3.89	3.99	-0.10	4.07	4.17	-0.10	4.01	N/A	NA
Sikkim*	2.17	1.96	0.21	2.96	2.72	0.24	3.08	4.22	-1.14
Sikkim PD	2.17	1.96	0.21	2.96	2.72	0.24	3.08	4.22	-1.14
Tamil Nadu	3.42	N/A	NA	N/A	N/A	NA	N/A	N/A	NA
TANGEDCO	3.42	N/A	NA	N/A	N/A	NA	N/A	N/A	NA
Telangana*	4.33	N/A	NA	4.25	N/A	NA	4.41	N/A	NA
TSNPDCL	4.37	N/A	NA	4.32	N/A	NA	4.50	N/A	NA
TSSPDCL	4.09	N/A	NA	4.17	N/A	NA	4.43	N/A	NA
Tripura	4.05	N/A	NA	3.83	N/A	NA	3.64	N/A	NA
TSECL	4.05	N/A	NA	3.83	N/A	NA	3.64	N/A	NA
Uttar Pradesh	4.32	4.26	0.06	4.22	4.12	0.10	4.31	N/A	NA
DVVNL	3.75	4.26	-0.51	4.00	4.12	-0.12	3.99	N/A	NA
KESCO	3.90	4.26	-0.36	4.21	4.12	0.09	2.02	N/A	NA
MVVNL	4.67	4.26	0.41	4.61	4.12	0.49	4.51	N/A	NA
PaVVNL	4.95	4.26	0.69	4.33	4.12	0.21	4.66	N/A	NA
PuVVNL	4.29	4.26	0.03	4.56	4.12	0.44	4.29	N/A	NA
Uttarakhand*	3.62	3.64	-0.01	3.82	4.06	-0.24	3.54	3.44	0.10
UPCL	3.62	3.64	-0.01	3.82	4.06	-0.24	3.54	3.44	0.10
West Bengal	3.34	N/A	NA	3.68	N/A	NA	3.51	N/A	NA
WBSEDCL	3.34	N/A	NA	3.68	N/A	NA	3.51	N/A	NA

Power Procurement Cost of DISCOMs

Difference b/w Approved and Actual Power Purchase Cost	2018-19		2019-20		2020-21	
Difference b/w Approved and Actual Power Purchase Cost	+VE	Andhra Pradesh	Manipur	Andhra Pradesh	Mizoram	Andhra Pradesh
		Assam	Mizoram	Assam	Puducherry	Dadra & Nagar Haveli
		Bihar	Puducherry	Chandigarh	Punjab	Daman & Diu
		Chandigarh	Punjab	Gujarat	Rajasthan	Gujarat
		Dadra & Nagar Haveli	Sikkim	Himachal Pradesh	Sikkim	Himachal Pradesh
		Daman & Diu	Uttar Pradesh	Karnataka	Uttar Pradesh	Puducherry
		Madhya Pradesh		Madhya Pradesh		Punjab
	-VE		Manipur			Uttarakhand
		Andaman & Nicobar	Karnataka	Andaman & Nicobar	Haryana	Andaman & Nicobar Kerala
		Chhattisgarh	Kerala	Bihar	Meghalaya	Assam Madhya Pradesh
		Delhi	Lakshadweep	Chhattisgarh	Uttarakhand	Bihar Mizoram
		Gujarat	Meghalaya	Dadra & Nagar Haveli		Chhattisgarh Sikkim
		Haryana	Rajasthan	Daman & Diu		Haryana
		Himachal Pradesh	Uttarakhand	Delhi		Karnataka
		Jharkhand				

SECTION 15



AVAILABILITY OF TECHNICAL MINIMUM REGULATION



Availability of Technical Minimum Regulation

	Availability of Technical Minimum regulation	Relevant regulation / document
State		
Andhra Pradesh	Yes	Tariff Order for Retail Sale during FY20-21 dated 10th Feb 2020
Arunachal Pradesh	Not Applicable	--
Assam	Not Applicable	--
Bihar	Not Applicable	Tariff order for FY20-21 for NBPDCCL & SBPDCL dated 20th March 2020
Chandigarh	Not Applicable	--
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%
Dadra & Nagar Haveli	Not Applicable	--
Daman & Diu	Not Applicable	--
Delhi	Not Applicable	--
Goa	Not Applicable	--
Gujarat	Yes	Tariff order by Gujarat Electricity Regulatory commission for FY2022-23 dated 30 th March 2022
Haryana	Yes	Tariff order by Haryana Electricity Regulatory commission for FY2021-22 dated 18th Feb 2021
Himachal Pradesh	Not Applicable	--
J&K and Ladakh	Not Applicable	--
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
Kerala	Not Applicable	--
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.
Manipur & Mizoram	Not Applicable	--
Meghalaya	Not Applicable	--
Nagaland	Not Applicable	--
Odisha	Yes	As per telephonic conversation with the utility technical minimum threshold is 55% in the state
Puducherry	Not Applicable	--
Punjab	Yes	Review Petition under Section 94 of the Electricity Act, 2003 against tariff order dated 27.05.2019 for 2019-20 (in petition no. 02 of 2019).
Rajasthan	Yes	As per telephonic conversation with the utility technical minimum threshold is 55% in the state
Sikkim	Not Applicable	--
Tamil Nadu	Yes	As per telephonic conversation with the utility

Availability of Technical Minimum Regulation

	Availability of Technical Minimum regulation	Relevant regulation / document
		technical minimum threshold is 70% for 600MW and 80% for 210 MW in the state. Further the state commission has not issued regulations for technical minimum operations
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%
Tripura	Not Applicable	--
Uttar Pradesh	Yes	Petition No. 1217/2017 with UPERC for specifying technical minimum schedule of all generating stations
Uttarakhand	Not Applicable	--
West Bengal	Yes	As per telephonic conversation with the utility technical minimum threshold for various plants in the state is in the range of 66% - 78%

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.



SECTION 16

MERIT ORDER >>>> ADHERENCE

Merit Order Adherence

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

Notes:

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

