

KEY REGULATORY PARAMETERS OF POWER UTILITIES



March 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 Vidyut Vitran Nigam Limited
JERC	Joint Electricity Regulatory Commission
JKPDD-T	Jammu and Kashmir Power Development Department-Transmission
JKSPDC	J&K and Ladakh State Power Development Corporation
JUSNL	Jharkhand Urja Sancharan Nigam Limited
JUUNL	Jharkhand Urja Utpadan Nigam Limited
JVVNL	Jaipur Vidyut Vitran Nigam Limited
KESCO	Kanpur Electricity Supply Company Limited
KPCL	Karnataka Power Corporation Limited
KPTCL	Karnataka Power Transmission Corporation Limited
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
WBSEDCL	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
		Billing Efficiency	%	B2	(Net Energy Sold/Net Input Energy)
		Collection Efficiency	%	B3	(Revenue Collected/Revenue Billed)
Average Billing Rate	C1	Total Revenue	Rs. Crore	C1.1	Revenue from domestic, commercial, industrial, agricultural, and other intra-state consumers at approved tariff along with the govt. subsidy
		Total Energy Sold	MU	C1.2	Energy sold to domestic, commercial, industrial, agricultural, and other intra-state consumers
		Average Billing Rate (ABR)	Rs./kWh	C1.3	$((\text{Total Revenue} \times 10) / \text{Total Energy sold})$
	C2	Change in approved ABR for Nth Year	%	C2.1	$[\text{ABR}_N - \text{ABR}_{(N-1)}] / \text{ABR}_{(N-1)}$
Average Cost of Supply ⁴	D	Total Cost (ARR)	Rs. Crore	D1	Total expenditure approved In Average Revenue Required statement including approved Revenue Gaps, if any and net of Non-Tariff Income and Income from interstate consumers (if provided separately)
		Total Energy Sold	MU	D2	Energy sold to intra-state consumers and inter-state consumers (wherever applicable)
		Avg cost per unit	Rs./kWh	D3	$((\text{Total Cost} \times 10) / \text{Total Energy sold})$

Tariff Comparison*	E	Consumer Category wise Representative Tariff	Rs/kWh	E1	Category-wise breakup of applicable tariff including energy charge, fixed charge, electrical duty, and govt. subsidy across major states.
Tariff Cross subsidy for commercial and industrial consumers	F	Commercial	%	F1	Average Billing Rate (ABR) for the Commercial category consumers/Average cost of supply
		Industrial	%	F2	Average Billing Rate (ABR) for the Industrial category consumers /Average cost of supply
Cross Subsidy Surcharge	G	Cross Subsidy Surcharge	Rs. /kWh	G1	Cross subsidy surcharge as approved by respective Electricity Regulatory Commissions for open-access consumers
Additional Surcharge	H	Additional Surcharge	Rs. /kWh	H1	Additional surcharge for open-access consumers approved by respective Electricity Regulatory Commissions
State-wise Revenue Gap/Surplus	I	Cumulative Revenue Gap/ Surplus	Rs. Crore	I1	Latest cumulative revenue gap approved by the respective Electricity Regulatory Commissions
Time of Day (ToD) Tariff Rates Applicability	J	ToD Applicability	None	J1	Applicability of Time of Day (TOD) tariff across consumer categories
Return on Equity (RoE)	K	RoE (on post-tax basis)	Rs. Crore	K1	RoE quantum across DISCOMs, Generation Utility and Transmission Utility as approved by the respective Electricity Regulatory Commissions
		RoE (on post-tax basis)	%	K2	Rate of RoE approved by respective Electricity Regulatory Commissions for DISCOMs, Generation Utility and Transmission Utility
		Rate of post-tax RoE as per tariff regulations	%	K3	Rate of RoE as per respective state tariff regulations for DISCOMs, Generation Company and Transmission Company
Transmission Charges	L	Transmission Charges Long Term and Medium 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 Electricity (Rights of Consumers) Rules 2020	N	Alignment of Timelines as per DISCOM's Regulations, Standard of Performance (SoP) and Supply Codes with timelines as specified in the Electricity (Rights of Consumers) Rules 2020	No. of Days/Yes / No / Not Available	N1	Release of Connections
				N2	Testing of Meters
				N3	Replacement of Meters
				N4	Issuance of no dues Certificates
				N5	Provision for payment of claims on deviation from SoPs
				N6	Assessment of Rooftop Solar Feasibility
				N7	Connection of rooftop solar after installation
				N8	Regulations for ensuring predetermined demand charges for up to 150kW
				N9	Presence of Multitier Grievance Redressal Forum
Power Procurement Cost of DISCOMs for 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 31st Mar 2022)

	Date of Issuance of Tariff Order				
	2018-19	2019-20	2020-21	2021-22	2022-23
DISCOMS					
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
Assam	19-Mar-18	1-Mar-19	7-Mar-20	15-Feb-21	21-Mar-22
APDCL	19-Mar-18	1-Mar-19	7-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
Chhattisgarh	26-Mar-18	28-Feb-19	30-May-20	02-Aug-21	Not Issued
CSPDCL	26-Mar-18	28-Feb-19	30-May-20	02-Aug-21	Not Issued
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
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	7-Mar-19	1-Jun-20	30-Mar-21	30-Mar-22
DHBVNL	15-Nov-18	7-Mar-19	1-Jun-20	30-Mar-21	30-Mar-22
UHBVNL	15-Nov-18	7-Mar-19	1-Jun-20	30-Mar-21	30-Mar-22
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	Not Issued
BESCOM	14-May-18	30-May-19	04-Nov-20	09-Jun-21	Not Issued
CESCOM	14-May-18	30-May-19	04-Nov-20	09-Jun-21	Not Issued
GESCOM	14-May-18	30-May-19	04-Nov-20	09-Jun-21	Not Issued
HESCOM	14-May-18	30-May-19	04-Nov-20	09-Jun-21	Not Issued
MESCOM	14-May-18	30-May-19	04-Nov-20	09-Jun-21	Not Issued
Madhya Pradesh	3-May-18	8-Aug-19	17-Dec-20	30-Jun-21	31-Mar-22
MPMaKVCL	3-May-18	8-Aug-19	17-Dec-20	30-Jun-21	31-Mar-22
MPPaKVCL	3-May-18	8-Aug-19	17-Dec-20	30-Jun-21	31-Mar-22
MPPoKVCL	3-May-18	8-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
MSEDCL	12-Sep-18	12-Sep-18	30-Mar-20	30-Mar-20	30-Mar-20

Date of Issuance of Tariff Order (Distribution Utilities)

	Date of Issuance of Tariff Order				
	2018-19	2019-20	2020-21	2021-22	2022-23
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
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
Rajasthan	28-May-18	6-Feb-20	24-Nov-21	24-Nov-21	Not Issued
AVVNL	28-May-18	6-Feb-20	24-Nov-21	24-Nov-21	Not Issued
JdVVNL	28-May-18	6-Feb-20	24-Nov-21	24-Nov-21	Not Issued
JVVNL	28-May-18	6-Feb-20	24-Nov-21	24-Nov-21	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
Uttar Pradesh	22-Jan-19	3-Sep-19	11-Nov-20	29-Jul-21	Not Issued
DVVNL	22-Jan-19	3-Sep-19	11-Nov-20	29-Jul-21	Not Issued
KESCO	22-Jan-19	3-Sep-19	11-Nov-20	29-Jul-21	Not Issued
MVVNL	22-Jan-19	3-Sep-19	11-Nov-20	29-Jul-21	Not Issued
PaVVNL	22-Jan-19	3-Sep-19	11-Nov-20	29-Jul-21	Not Issued
PuVVNL	22-Jan-19	3-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
GEDCO/Integrated Utilities					
Himachal Pradesh	4-May-18	29-Jun-19	6-Jun-20	31-May-21	29-Mar-22
HPSEBL	4-May-18	29-Jun-19	6-Jun-20	31-May-21	29-Mar-22
Kerala*	27-Mar-18	8-Jul-19	8-Jul-19	8-Jul-19	Not Issued
KSEBL	27-Mar-18	8-Jul-19	8-Jul-19	8-Jul-19	Not Issued
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
Punjab	19-Apr-18	27-May-19	1-Jun-20	28-May-21	31-Mar-22
PSPCL	19-Apr-18	27-May-19	1-Jun-20	28-May-21	31-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
Tripura*	1-Sep-20	1-Sep-20	1-Sep-20	Not Issued	Not Issued
TSECL	1-Sep-20	1-Sep-20	1-Sep-20	Not Issued	Not Issued
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
Power Departments					
Arunachal Pradesh*	31-May-18	Not Issued	Not Issued	Not Issued	Not Issued

Date of Issuance of Tariff Order (Distribution Utilities)

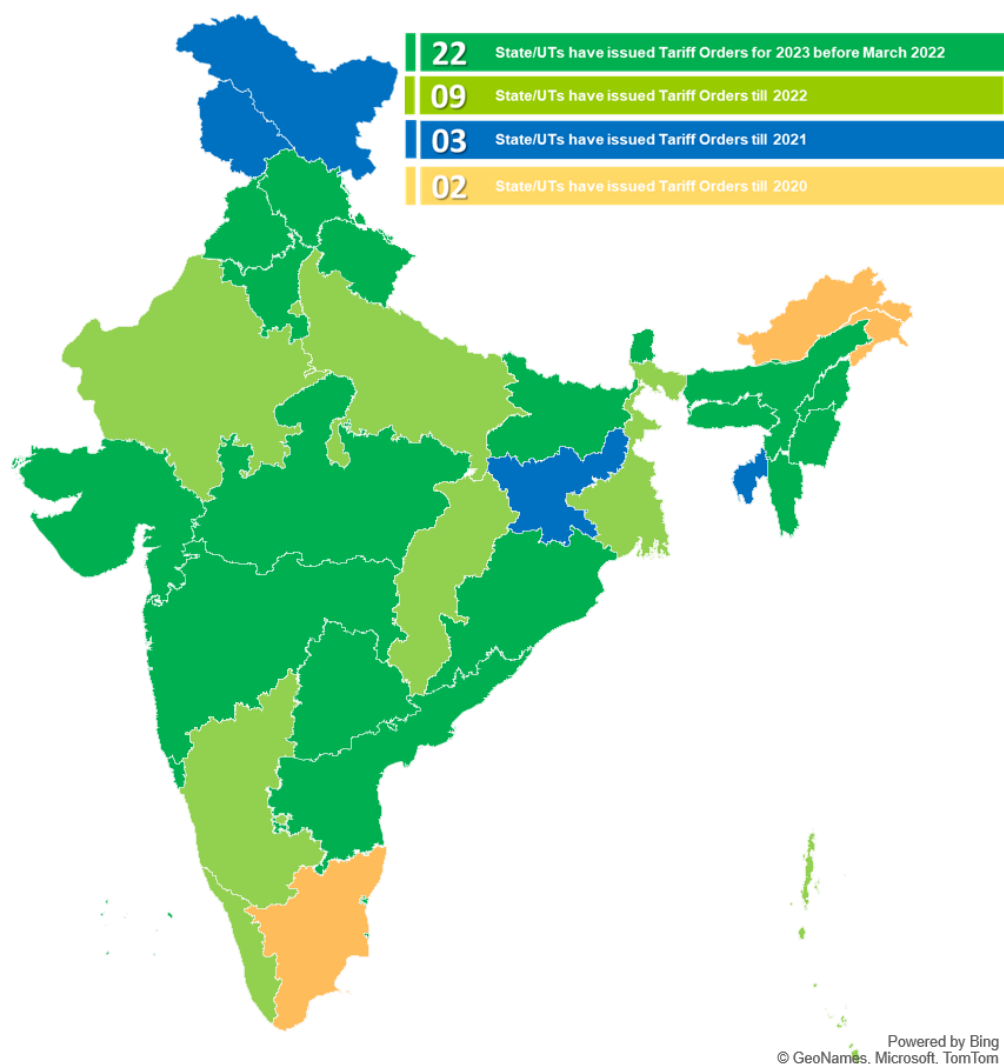
	Date of Issuance of Tariff Order				
	2018-19	2019-20	2020-21	2021-22	2022-23
Arunachal PD	31-May-18	Not Issued	Not Issued	Not Issued	Not Issued
Goa	28-Mar-18	20-May-19	19-May-20	30-Mar-21	31-Mar-22
Goa PD	28-Mar-18	20-May-19	19-May-20	30-Mar-21	31-Mar-22
J&K and Ladakh*	7-Oct-16	7-Oct-16	7-Oct-16	Not Issued	Not Issued
JKPDD	7-Oct-16	7-Oct-16	7-Oct-16	Not Issued	Not Issued
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
Puducherry	28-Mar-18	20-May-19	22-Apr-20	7-Apr-21	31-Mar-22
Puducherry PD	28-Mar-18	20-May-19	22-Apr-20	7-Apr-21	31-Mar-22
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
Union Territories					
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
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
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
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

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

- Maharashtra Tariff order for 2018-19 and 2019-20 was issued in Sep 2018 and MYT order for 2020-21 to 2024-25 was issued in March 2020
- 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 Commission, vide order dated 24th March 2022, has directed that validity of the prevailing 'Schedule of Tariff and Terms and Conditions for Retail Supply of Electricity by KSEBL and all other Licensees' approved by the Commission vide Order dated 08.07.2019 has been extended from 01.04.2022 to 30.06.2022

Date of Issuance of Tariff Order (Distribution Utilities)

Summary of findings:



22	Andhra Pradesh, Assam, Bihar, Gujarat, Goa, Haryana, Himachal Pradesh, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Odisha, Punjab, Telangana, Uttarakhand, Puducherry, Sikkim, Daman & Diu, Lakshadweep and Dadra and Nagar Haveli
09	Andaman & Nicobar, Chandigarh, Chhattisgarh, Delhi, Kerala, Rajasthan, Karnataka, Uttar Pradesh and West Bengal
03	Jharkhand, Jammu & Kashmir and Ladakh and Tripura
02	Arunachal Pradesh and Tamil Nadu

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

(Status as on 31st Mar 2022)

DISCOMS	Latest Tariff order date (As on 31 st March 2022)	Latest True-up (FY)
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
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
Chhattisgarh	02-Aug-21	2019-20
CSPDCL	02-Aug-21	2019-20
Delhi	30-Sep-21	2019-20
BRPL	30-Sep-21	2019-20
BYPL	30-Sep-21	2019-20
TPDDL	30-Sep-21	2019-20
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
Haryana	30-Mar-22	2020-21
DHBVNL	30-Mar-22	2020-21
UHBVNL	30-Mar-22	2020-21
Jharkhand	01-Oct-20	2018-19
JBVNL	01-Oct-20	2018-19
Karnataka	09-Jun-21	2019-20
BESCOM	09-Jun-21	2019-20
CESCOM	09-Jun-21	2019-20
GESCOM	09-Jun-21	2019-20
HESCOM	09-Jun-21	2019-20
MESCOM	09-Jun-21	2019-20

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

DISCOMS	Latest Tariff order date (As on 31 st March 2022)	Latest True-up (FY)
Madhya Pradesh	31-Mar-22	2020-21
MPMaKVCL	31-Mar-22	2020-21
MPPaKVCL	31-Mar-22	2020-21
MPPoKVCL	31-Mar-22	2020-21
Maharashtra	30-Mar-20	2019-20 (Provisional)
MSEDCL	30-Mar-20	2019-20 (Provisional)
Meghalaya	25-Mar-22	2019-20
MePDCL	25-Mar-22	2019-20
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
Rajasthan	24-Nov-21	2019-20
AVVNL	24-Nov-21	2019-20
JdVVNL	24-Nov-21	2019-20
JVVNL	24-Nov-21	2019-20
Telangana	23-Mar-22	2018-19
TSNPDCL	23-Mar-22	2018-19
TSSPDCL	23-Mar-22	2018-19
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
GEDCO/ Integrated Utilities		
Himachal Pradesh	29-Mar-22	2020-21
HPSEBL	29-Mar-22	2020-21

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

DISCOMS	Latest Tariff order date (As on 31 st March 2022)	Latest True-up (FY)
Kerala	26-Jun-21	2017-18
KSEBL	26-Jun-21	2017-18
Manipur	23-Mar-22	2020-21 (Provisional)
MSPDCL	23-Mar-22	2020-21 (Provisional)
Punjab	31-Mar-22	2020-21
PSPCL	31-Mar-22	2020-21
Tamil Nadu	Not Issued	2015-16
TANGEDCO	Not Issued	2015-16
Tripura	01-Sep-20	2015-16
TSECL	01-Sep-20	2015-16
West Bengal	28-Mar-22	2012-13
WBSEDCL	28-Mar-22	2012-13
Power Departments		
Arunachal Pradesh	31-May-18	2016-17
Arunachal PD	31-May-18	2016-17
Goa	31-Mar-22	2016-17
Goa PD	31-Mar-22	2016-17
J&K and Ladakh	Not Issued	2014-15
JKPDD	Not Issued	2014-15
Mizoram	23-Mar-22	2020-21
Mizoram PD	23-Mar-22	2020-21
Nagaland	20-Mar-22	2014-15 (Provisional)
Nagaland PD	20-Mar-22	2014-15 (Provisional)
Puducherry	31-Mar-22	2020-21
Puducherry PD	31-Mar-22	2020-21
Sikkim	14-Mar-22	2020-21
Sikkim PD	14-Mar-22	2020-21
Union Territories		
Andaman & Nicobar	31-May-21	2016-17
ED Andaman & Nicobar	31-May-21	2016-17

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

DISCOMS	Latest Tariff order date (As on 31 st March 2022)	Latest True-up (FY)
Chandigarh	30-Mar-21	2019-20
Chandigarh ED	30-Mar-21	2019-20
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
Lakshadweep	31-Mar-21	2018-19
Lakshadweep ED	31-Mar-21	2018-19

Applicable Period (FY)	# States	States/UTs
2020-21	15	Andhra Pradesh, Assam, Bihar, Dadra & Nagar Haveli, Daman & Diu, Gujarat, Haryana, Himachal Pradesh, Madhya Pradesh, Manipur, Mizoram, Puducherry, Punjab, Sikkim, and Uttarakhand
2019-20	07	Chhattisgarh, Delhi, Karnataka, Rajasthan, Uttar Pradesh, Chandigarh, and Meghalaya
2018-19	04	Jharkhand, Telangana, Maharashtra, and Lakshadweep
Till 2018	10	Kerala, Tamil Nadu, Tripura, West Bengal, Arunachal Pradesh, Goa, Odisha, J&K and Ladakh, Nagaland, Andaman & Nicobar,

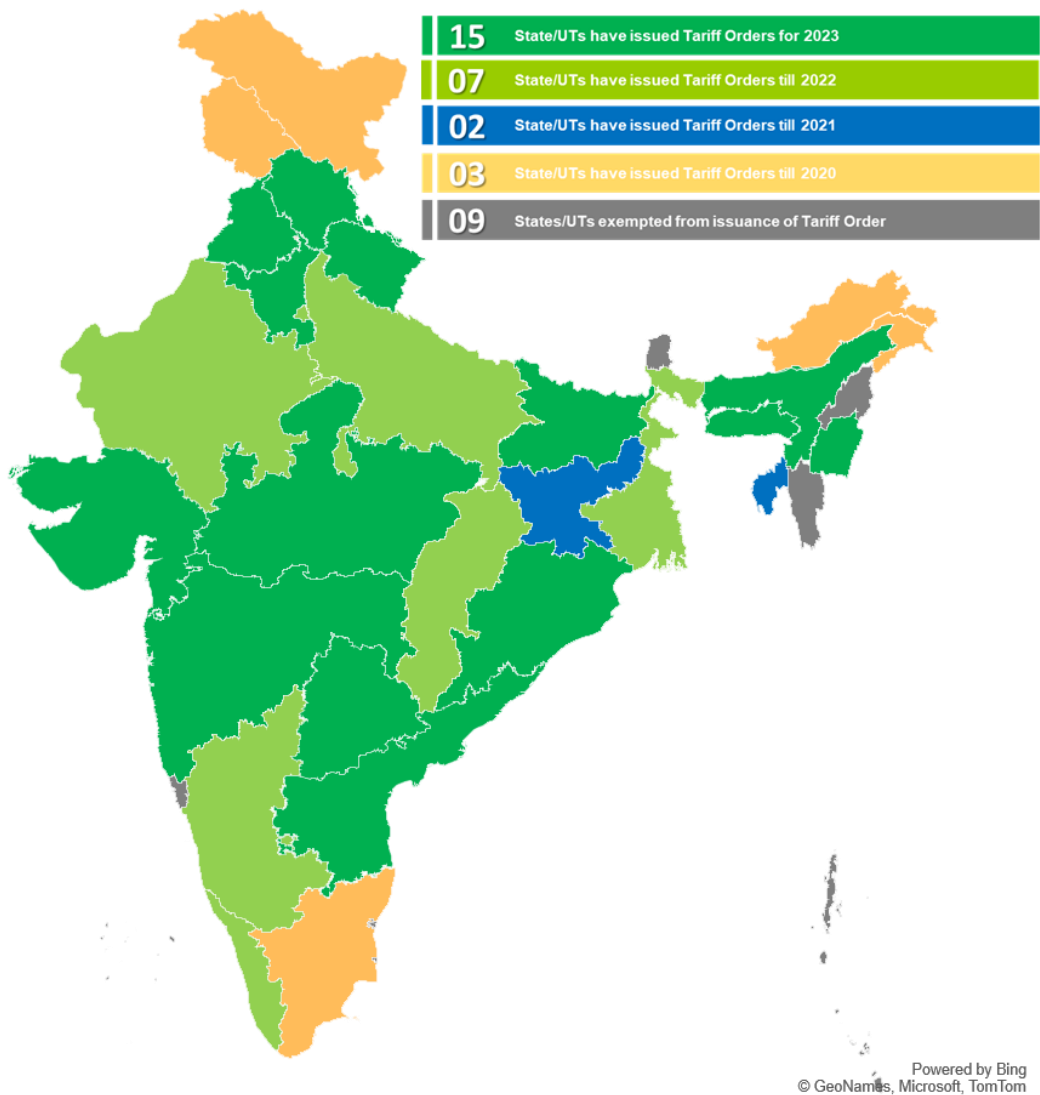
Date of Issuance of Tariff Order (Transmission Utilities)

	Date of Issuance of Tariff Order	
	Applicable Period	Date of Issuance
TRANSCO		
Andhra Pradesh	2019-24	08-Mar-19
APTRANSCO	2019-24	08-Mar-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	2021-22	02-Aug-21
CSPTCL	2021-22	02-Aug-21
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
Jharkhand	2016-21	24-Feb-18
JUSNL	2016-21	24-Feb-18
Karnataka	2021-22	09-Jun-21
KPTCL	2021-22	09-Jun-21
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
OPTCL	2022-23	24-Mar-22
Punjab	2022-23	31-Mar-22
PSTCL	2022-23	31-Mar-22
Rajasthan	2021-22	20-Mar-20
RRVNL	2021-22	20-Mar-20
Tamil Nadu	2016-19	11-Aug-17

Date of Issuance of Tariff Order (Transmission Utilities)

	Date of Issuance of Tariff Order	
	Applicable Period	Date of Issuance
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
Power Departments		
Arunachal Pradesh	2018-19	07-Jun-19
Arunachal PD	2018-19	07-Jun-19
J&K and Ladakh	2015-16	27-Feb-15
JKPDD-T	2015-16	27-Feb-15
Union Territories		
Dadra & Nagar Haveli	2022-23	31-Mar-22
DNHPDCL	2022-23	31-Mar-22

Date of Issuance of Tariff Order (Transmission Utilities)



15	Andhra Pradesh, Assam, Bihar, Gujarat, Haryana, Himachal Pradesh, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Odisha, Punjab, Telangana, Uttarakhand and Dadra & Nagar Haveli
07	Chhattisgarh, Delhi, Karnataka, Kerala, Rajasthan, Uttar Pradesh and West Bengal
02	Jharkhand and Tripura
03	Arunachal Pradesh, Jammu & Kashmir and Ladakh and Tamil Nadu
09	Goa, Mizoram, Nagaland, Puducherry, Sikkim, Andaman & Nicobar Islands, Chandigarh, Daman & Diu and Lakshadweep

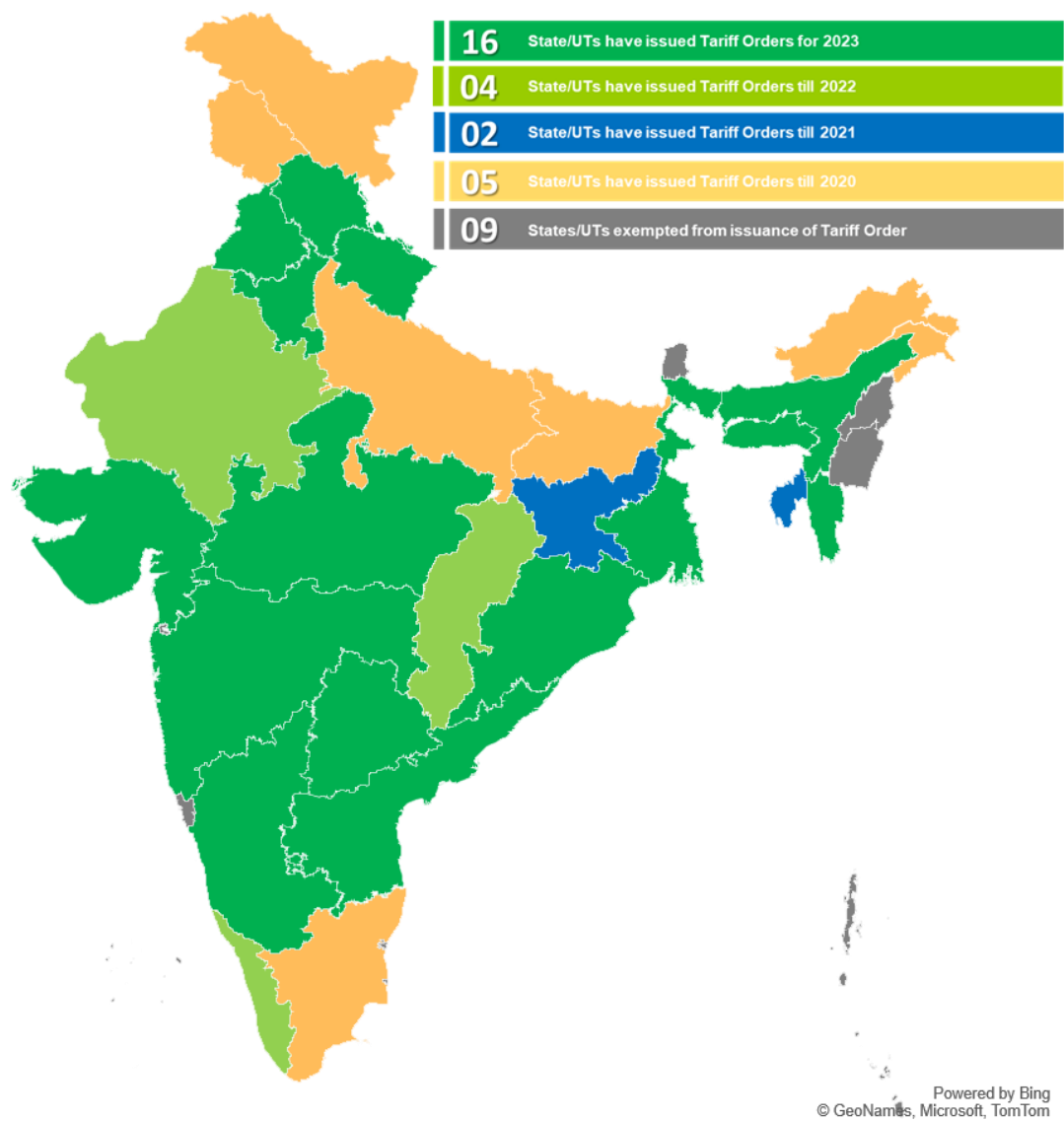
Date of Issuance of Tariff Order (Generation Utilities)

	Date of Issuance of Tariff Order	
	Applicable Period	Date of Issuance
GENCO		
Andhra Pradesh	2020-24	29-Apr-19
APGENCO	2020-24	29-Apr-19
Assam	2022-25	21-Mar-22
APGCL	2022-25	21-Mar-22
Bihar	2018-19	07-Mar-18
BSPGCL	2018-19	07-Mar-18
Chhattisgarh	2021-22	02-Aug-21
CSPGCL	2021-22	02-Aug-21
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
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
Punjab	2022-23	31-Mar-22
PSPCL	2022-23	31-Mar-22
Rajasthan	2021-22	15-Dec-21
RRVUNL	2021-22	15-Dec-21
Tamil Nadu	2017-19	11-Aug-17

Date of Issuance of Tariff Order (Generation Utilities)

	Date of Issuance of Tariff Order	
	Applicable Period	Date of Issuance
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	3-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
WBPDC	2021-23	08-Oct-21
WBSEDCL	2021-22	28-Mar-22
Power Departments		
Arunachal Pradesh	2019-20	20-Dec-19
Arunachal PD	2019-20	20-Dec-19
J&K and Ladakh	2015-16	27-Feb-15
JKSPDC	2015-16	27-Feb-15
Puducherry	2022-23	31-Mar-22
PPCL	2022-23	31-Mar-22

Date of Issuance of Tariff Order (Generation Utilities)



16	Andhra Pradesh, Assam, Gujarat, Haryana, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Meghalaya, Mizoram, Odisha, Puducherry, Punjab, Telangana, Uttarakhand and West Bengal
04	Chhattisgarh, Delhi, Kerala, and Rajasthan
02	Jharkhand and Tripura
05	Arunachal Pradesh, Bihar, Jammu & Kashmir and Ladakh, Tamil Nadu and Uttar Pradesh
09	Goa, Manipur, Nagaland, Sikkim, Andaman & Nicobar Islands, Chandigarh, Dadra & Nagar Haveli, Daman & Diu and Lakshadweep

SECTION 2

DISTRIBUTION LOSSES



Distribution Losses

(Figures in %)

	2019-20		2020-21		2021-22	2022-23
	Dist. Losses (Approved)	Dist. Losses (Actual)	Dist. Losses (Approved)	Dist. Losses (Actuals)	Dist. Losses (Approved)	Dist. Losses (Approved)
Andhra Pradesh	8.80	10.03	10.28	8.88	10.05	9.73
APEPDCL	8.21	8.94	9.28	9.04	8.9	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
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
Chhattisgarh	14.73	19.27	16.00	--	16.00	--
CSPDCL	14.73	19.27	16.00	--	16.00	--
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	--
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	--	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
Jharkhand	14.00	22.46	13.00	--	--	--
JBVNL	14.00	22.46	13.00	--	--	--
Karnataka	12.95	12.04	--	--	--	--
BESCOM	12.25	11.99	12.25	--	11.50	--
CESCOM	12.70	11.12	12.7	--	10.75	--
GESCOM	14.89	11.22	14.89	--	11.00	--
HESCOM	14.40	14.10	14.40	--	13.50	--
MESCOM	11.00	10.07	11.00	--	9.67	--
Madhya Pradesh	15.92	20.18	15.94	20.00	--	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
Meghalaya	12.19	29.88	12.00	--	12.00	12.00

Distribution Losses

(Figures in %)

	2019-20		2020-21		2021-22	2022-23
	Dist. Losses (Approved)	Dist. Losses (Actual)	Dist. Losses (Approved)	Dist. Losses (Actuals)	Dist. Losses (Approved)	Dist. Losses (Approved)
MePDCL	12.19	29.88	12.00	--	12.00	12.00
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
Rajasthan	15.00	17.23	--	--	--	--
AVVNL	15.00	14.48	15.00	--	15.00	--
JdVVNL	15.00	19.38	15.00	--	15.00	--
JVVNL	15.00	17.21	15.00	--	15.00	--
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
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
Himachal Pradesh	10.30	12.04	10.10	13.95	9.9	9.70
HPSEBL	10.30	12.04	10.10	13.95	9.9	9.70
Kerala	12.42	10.16	12.02	--	11.62	--
KSEBL	12.42	10.16	12.02	--	11.62	--
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
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
Tamil Nadu	--	14.06	--	--	--	--
TANGEDCO	--	14.06	--	--	--	--
Tripura	17.02	30.04	15.79	--	--	--
TSECL	17.02	30.04	15.79	--	--	--
West Bengal	17.50	18.57	17.50	--	17.50	17.50
WBSEDCL	17.50	18.57	17.50	--	17.50	17.50
Arunachal Pradesh	--	45.71	--	--	--	--
Arunachal PD	--	45.71	--	--	--	--
Goa	10.75	12.00	10.50	--	10.25	10.25

Distribution Losses

(Figures in %)

	2019-20		2020-21		2021-22	2022-23
	Dist. Losses (Approved)	Dist. Losses (Actual)	Dist. Losses (Approved)	Dist. Losses (Actuals)	Dist. Losses (Approved)	Dist. Losses (Approved)
Goa PD	10.75	12.00	10.50	--	10.25	10.25
J&K and Ladakh	15.00	50.11	14.00	--	--	--
JKPDD	15.00	50.11	14.00	--	--	--
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
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
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
Andaman & Nicobar	14.34	22.60	13.84	--	13.34	--
ED Andaman & Nicobar	14.34	22.60	13.84	--	13.34	--
Chandigarh	9.40	11.91	9.30	--	9.20	--
Chandigarh ED	9.40	11.91	9.30	--	9.20	--
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
Lakshadweep	12.75	14.13	12.50	--	12.25	11.25
Lakshadweep ED	12.75	14.13	12.50	--	12.25	11.25

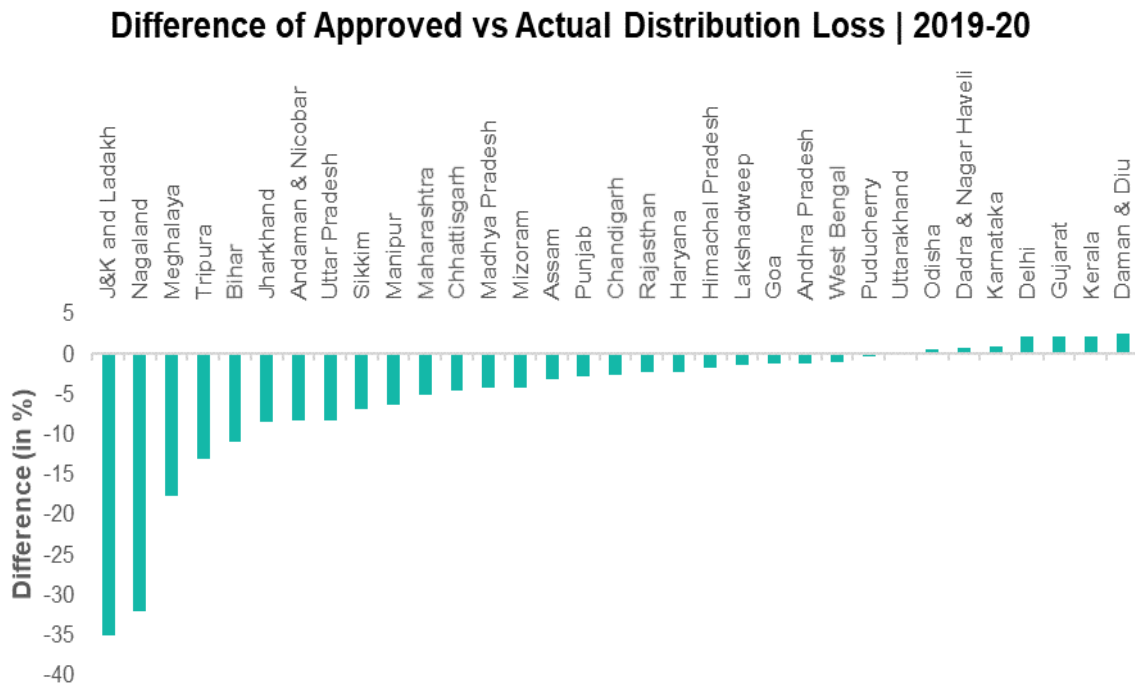
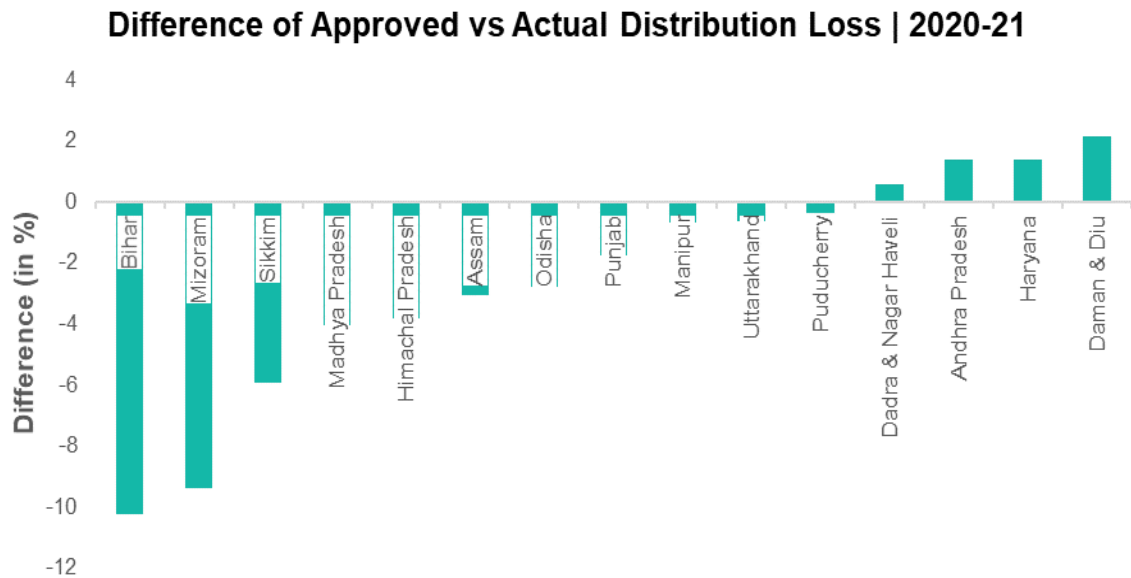
Note:

* 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



- 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
DISCOMS						
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
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
Chhattisgarh	6.07	6.66	5.93	--	6.29	--
CSPDCL	6.07	6.66	5.93	--	6.29	--
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	--
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	--
Jharkhand	6.32	--	6.53	--	--	--
JBVNL	6.32	--	6.53	--	--	--
Karnataka	7.20	--	7.93	--	8.12	--
BESCOM	7.37	--	8.30	--	8.42	--
CHESCOM	6.93	--	7.46	--	7.61	--
GESCOM	7.02	--	7.64	--	7.74	--
HESCOM	7.08	--	7.76	--	8.00	--
MESCOM	7.13	--	7.28	--	7.94	--
Madhya Pradesh	6.59	6.79	6.51	6.83	6.60	6.68
MPMaKVCL	6.69	6.99	6.26	6.94	7.31	6.78
MPPaKVCL	6.53	6.81	6.64	6.84	5.80	6.61
MPPoKVCL	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
Meghalaya	--	4.42	6.76	--	6.26	6.33
MePDCL	--	4.42	6.76	--	6.26	6.33
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

Average Billing Rate

(Figures in Rs/kW)

	2019-20		2020-21		2021-22	2022-23
	Approved	Actual	Approved	Actual	Approved	Approved
TPSODL	4.40	--	4.43	--	4.95	5.14
TPWODL	4.85	--	4.86	--	5.36	5.51
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	--
Telangana	--	--	--	--	--	5.89
TSNPDCL	--	--	--	--	--	4.53
TSSPDCL	--	--	--	--	--	6.47
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
GEDCO/ Integrated Utilities						
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
Kerala	6.55	--	--	--	--	--
KSEBL	6.55	--	--	--	--	--
Manipur^E	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
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
Tamil Nadu	--	--	--	--	--	--
TANGEDCO	--	--	--	--	--	--
Tripura	4.85	--	4.90	--	--	--
TSECL	4.85	--	4.90	--	--	--
West Bengal	6.98	--	--	--	7.19	7.19
WBSEDCL	6.98	--	--	--	7.19	7.19
Power Departments						
Arunachal Pradesh	--	--	--	--	--	--
Arunachal PD	--	--	--	--	--	--
Goa	5.56	--	5.57	--	5.63	5.68
Goa PD	5.56	--	5.57	--	5.63	5.68
J&K and Ladakh	N/A	--	N/A	--	--	--
JKPDD	N/A	--	N/A	--	--	--
Mizoram^F	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
Puducherry	5.92	5.60	5.85	5.68	5.82	5.83

Average Billing Rate

(Figures in Rs/kW)

	2019-20		2020-21		2021-22	2022-23
	Approved	Actual	Approved	Actual	Approved	Approved
PED	5.92	5.60	5.85	5.68	5.82	5.83
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
Union Territories						
Andaman & Nicobar	6.27	--	6.90	--	6.63	--
EDAN	6.27	--	6.90	--	6.63	--
Chandigarh	5.44	5.34	5.53	--	5.10	--
CED	5.44	5.34	5.53	--	5.10	--
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
Lakshadweep	4.42	--	4.76	--	4.79	5.27
LED	4.42	--	4.76	--	4.79	5.27

Notes:

- A. Approved and Actual Values are as per tariff/ true up order issued by the respective SERCs/JERCs.
- B. State level aggregation is based on average of DISCOM level values weighted against corresponding energy sales.
- C. ABR has been estimated by dividing revenue from sale of power at approved tariff and approved subsidy with estimated energy sale.
- D. ABR values include subsidy booked.
- E. 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
- F. In case of Haryana, details for Average Billing Rate (ABR) calculations are not provided separately for DHBVNL and UHBVNL

Change in Average Billing Rate

(Figures in %)

	YoY change in ABR (incl. tariff subsidy)			
	2019-20	2020-21	2021-22	2022-23
DISCOMS				
Andhra Pradesh	2%	9%	(2%)	(11%)
APEPDCL	1%	10%	0%	(7%)
APSPDCL	3%	11%	(8%)	(16%)
APCPDCL ^B	NA	NA	NA	(10%)
Assam	(4%)	12%	(2%)	(2%)
APDCL	(4%)	12%	(2%)	(2%)
Bihar	(3%)	(1%)	5%	(1%)
NBPDCL	(3%)	1%	4%	0%
SBPDCL	(3%)	(3%)	5%	(2%)
Chhattisgarh	(2%)	(2%)	6%	--
CSPDCL	(2%)	(2%)	6%	--
Delhi	(5%)	3%	4%	--
BRPL	(5%)	4%	16%	--
BYPL	(7%)	1%	6%	--
TPDDL	(4%)	4%	(10%)	--
Gujarat	(1%)	1%	6%	1%
DGVCL	(1%)	1%	5%	2%
MGVCL	(3%)	1%	7%	1%
PGVCL	1%	1%	8%	0%
UGVCL	1%	1%	5%	2%
Haryana	0%	3%	(6%)	8%
DHBVNL	0%	3%	(6%)	--
UHBVNL	0%	3%	(6%)	--
Jharkhand	8%	3%	NA	--
JBVNL	8%	3%	NA	--
Karnataka	7%	10%	2%	--
BESCOM	8%	13%	1%	--
CHESCOM	9%	8%	2%	--
GESCOM	4%	9%	1%	--
HESCOM	4%	10%	3%	--
MESCOM	4%	2%	9%	--
Madhya Pradesh	9%	(1%)	1%	1%
MPMaKVCL	10%	(6%)	17%	(7%)
MPPaKVCL	8%	2%	(13%)	14%
MPPoKVCL	9%	0%	4%	(3%)
Maharashtra	3%	7%	(0%)	0%
MSEDCL	3%	7%	(0%)	0%
Meghalaya	N/A	N/A	(7%)	1%
MePDCL	N/A	N/A	(7%)	1%
Odisha	2%	1%	10%	7%
TPCODL	1%	2%	9%	3%
TPNODL	1%	1%	8%	4%
TPSODL	2%	1%	12%	4%
TPWODL	3%	0%	10%	3%

Change in Average Billing Rate

(Figures in %)

	YoY change in ABR (incl. tariff subsidy)			
	2019-20	2020-21	2021-22	2022-23
Rajasthan	14%	--	NA	--
AVVNL	19%	--	NA	--
JdVVNL	9%	--	NA	--
JVVNL	12%	--	NA	--
Telangana	--	--	NA	NA
TSNPDCL	--	--	NA	NA
TSSPDCL	--	--	NA	NA
Uttar Pradesh	7%	2%	(16%)	--
DVVNL	0%	10%	(17%)	--
KESCO	5%	1%	(2%)	--
MVVNL	13%	(3%)	(15%)	--
PaVVNL	5%	3%	(14%)	--
PuVVNL	9%	0%	(19%)	--
Uttarakhand	5%	5%	3%	(1%)
UPCL	5%	5%	3%	(1%)
GEDCO/Integrated Utilities				
Himachal Pradesh	0%	(3%)	0%	13%
HPSEBL	0%	(3%)	0%	13%
Kerala	N/A	N/A	NA	--
KSEBL	N/A	N/A	NA	--
Manipur	(14%)	(2%)	21%	2%
MSPDCL	(14%)	(2%)	21%	2%
Punjab	2%	(1%)	(0%)	0%
PSPCL	2%	(1%)	(0%)	0%
Tamil Nadu	--	--	NA	--
TANGEDCO	--	--	NA	--
Tripura	1%	1%	NA	--
TSECL	1%	1%	NA	--
West Bengal	(2%)	--	NA	0%
WBSEDCL	(2%)	--	NA	0%
Power Departments				
Arunachal Pradesh	--	--	--	--
Arunachal PD	--	--	--	--
Goa	4%	0%	1%	1%
Goa PD	4%	0%	1%	1%
J&K and Ladakh	N/A	N/A	NA	--
JKPDD	N/A	N/A	NA	--
Mizoram	(8%)	51%	(14%)	12%
Mizoram PD	(8%)	51%	(14%)	12%
Nagaland	5%	18%	0.1%	0.2%
Nagaland PD	5%	18%	0.1%	0.2%
Puducherry	8%	(1%)	(1%)	0%
Puducherry PD	8%	(1%)	(1%)	0%
Sikkim	(13%)	(3%)	7%	(6%)

Change in Average Billing Rate

(Figures in %)

	YoY change in ABR (incl. tariff subsidy)			
	2019-20	2020-21	2021-22	2022-23
Sikkim PD	(13%)	(3%)	7%	(6%)
Union Territories				
Andaman & Nicobar	2%	8%	(4%)	--
ED Andaman & Nicobar	2%	8%	(4%)	--
Chandigarh	(1%)	2%	(8%)	--
Chandigarh ED	(1%)	2%	(8%)	--
Dadra & Nagar Haveli	0%	14%	(5%)	3%
DNHPDCL	0%	14%	(5%)	3%
Daman & Diu	5%	17%	0%	0%
Daman & Diu ED	5%	17%	0%	0%
Lakshadweep	8%	8%	1%	10%
Lakshadweep ED	8%	8%	1%	10%

Notes:

- A. Change in ABR for a year has been estimated by comparing approved ABR for the current year with approved ABR of the previous year. ABR values are inclusive of tariff subsidy, wherever applicable.
- B. For the state of Andhra Pradesh, regulatory commission has granted license to Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL), to undertake distribution of electricity in Krishna, Guntur and Prakasam districts of Andhra Pradesh state for 25 years with effect from 1st April 2020.
- C. Values between -1 and 1 have been rounded off to nil.
- D. In case of Haryana, details for Average Billing Rate (ABR) calculations are not provided separately for DHBVNL and UHBVNL



SECTION 4

AVERAGE COST OF SUPPLY >>>>

Average Cost of Supply

(Figures in Rs/kW)

	2019-20		2020-21		2021-22	2022-23
	Approved	Actual*	Approved	Actual*	Approved	Approved
DISCOMs						
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
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 ⁴	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
Chhattisgarh	6.07	6.56	5.93	--	5.32	--
CSPDCL	6.07	6.56	5.93	--	5.32	--
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	--
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	--
UHBVNL	7.20	7.32	7.84	6.75	6.98	--
Jharkhand	6.51	--	6.39	--	--	--
JBVNL	6.51	--	6.39	--	--	--
Karnataka	7.20	--	7.77	--	8.12	--
BESCOM	7.37	--	8.14	--	8.42	--
CHESCOM	6.93	--	7.30	--	7.61	--
GESCOM	7.02	--	7.47	--	7.74	--
HESCOM	7.08	--	7.60	--	8.00	--
MESCOM	7.13	--	7.13	--	7.94	--
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
Meghalaya	7.80	7.06	7.76	--	5.75	4.99
MePDCL	7.80	7.06	7.76	--	5.75	4.99
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
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	--

Average Cost of Supply

(Figures in Rs/kW)

	2019-20		2020-21		2021-22	2022-23
Telangana	--	--	--	--	--	7.03
TSNPDCL	--	--	--	--	--	7.57
TSSPDCL	--	--	--	--	--	6.80
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
GEDCO/ Integrated Utilities						
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
Kerala	6.51	--	6.43	6.67	6.36	--
KSEBL	6.51	--	6.43	6.67	6.36	--
Manipur	10.51	10.64	9.33	10.05	11.90	11.33
MSPDCL	10.51	10.64	9.33	10.05	11.90	11.33
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
Tamil Nadu	--	--	--	--	--	--
TANGEDCO	--	--	--	--	--	--
Tripura	4.89	--	5.00	--	--	--
TSECL	4.89	--	5.00	--	--	--
West Bengal	6.87	--	--	--	--	6.40
WBSEDCL	6.87	--	--	--	--	6.40
Power Departments						
Arunachal Pradesh	--	--	--	--	--	--
APDA	--	--	--	--	--	--
Goa	5.56	--	5.57	--	5.63	5.68
Goa PD	5.56	--	5.57	--	5.63	5.68
J&K and Ladakh	5.28	--	5.22	--	--	--
JKPDD	5.28	--	5.22	--	--	--
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
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
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
Union Territories						
Andaman & Nicobar	25.36	--	27.39	--	29.52	--
EDAN	25.36	--	27.39	--	29.52	--
Chandigarh	5.12	4.98	4.99	--	5.05	--
CED	5.12	4.98	4.99	--	5.05	--
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

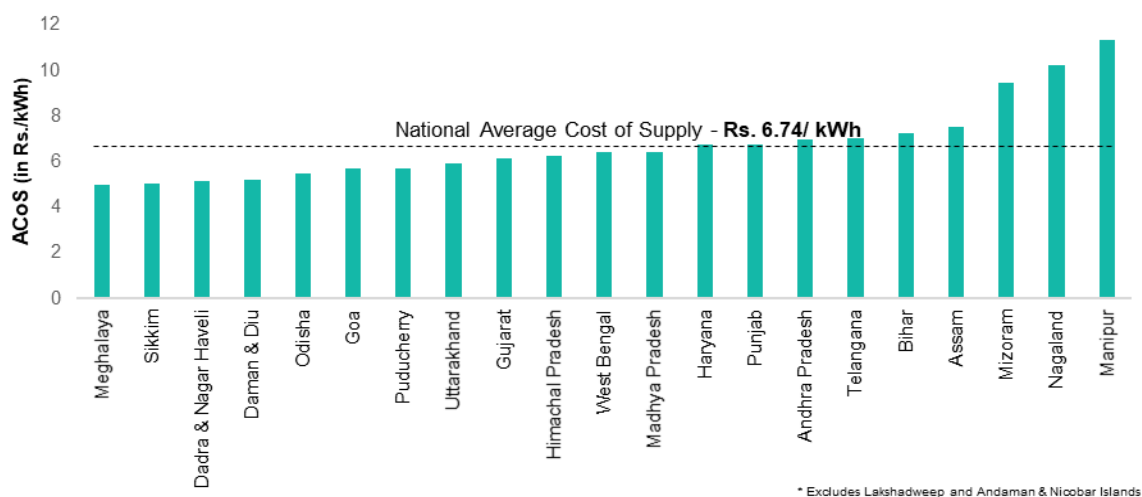
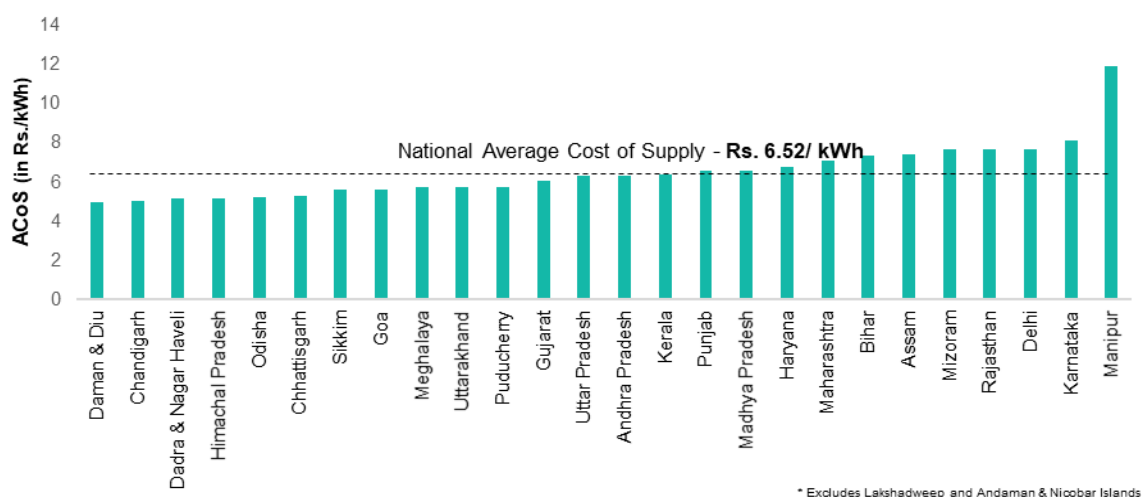
Average Cost of Supply

(Figures in Rs/kWh)

	2019-20		2020-21		2021-22	2022-23
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
Lakshadweep	25.66	--	27.55	30.42	31.21	32.83
LED	25.66	--	27.55	30.42	31.21	32.83

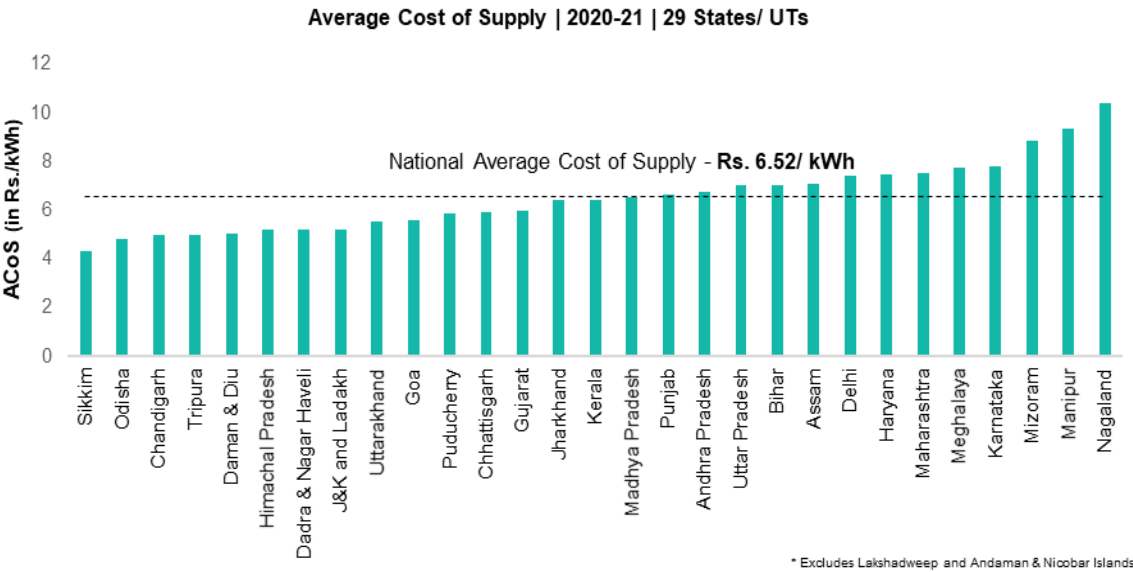
Notes:

1. Approved and Actual Values are as per tariff/ true up order issued by the respective SERCs/JERCs
2. State level aggregation is based on average of DISCOM level values weighted against energy sales.
3. True-up of TPCODL, TPSODL and TPWODL (Odisha) has been done for 10 months and 3 months respectively. True-up of TPNODL has not been taken up till the issue of order (as on 31st Mar 2022)
4. For Mizoram, JERC observed that during true up exercise of 2018-19 Discom incurred losses on account of selling surplus power in open market and then was directed to use this power within the state. Also, 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 | 2022-23 | 21 States/ UTs**Average Cost of Supply | 2021-22 | 26 States/ UTs**

Average Cost of Supply

(Figures in Rs/kW)





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-Apr-22	2022-23	Andhra Pradesh*	3.05	0.30	0.06	3.41		3.41
2	01-Apr-22	2022-23	Assam	5.30	1.80	0.20	7.30		7.30
3	01-Apr-22	2022-23	Bihar ¹	6.25	0.60	0.38	7.23		7.23
4	01-Aug-21	2021-22	Chhattisgarh*	3.60	0.60	0.29	4.49		4.49
5	01-Oct-21	2021-22	Delhi	3.00	1.50	0.15	4.65		4.65
6	01-Apr-22	2022-23	Gujarat	3.28	0.25	0.49	4.02		4.02
7	01-Apr-22	2022-23	Haryana*	2.25	0.00	0.10	2.35		2.35
8	01-Oct-20	2020-21	Jharkhand	6.25	0.75	0.20	7.20		7.20
9	01-Apr-21	2021-22	Karnataka*	4.83	2.75	0.29	7.87		7.87
10	01-Apr-22	2022-23	Madhya Pradesh	4.69	0.55	0.42	5.66		5.66
11	01-Apr-22	2022-23	Maharashtra	4.71	1.05	0.75	6.51		6.51
12	01-Apr-22	2022-23	Meghalaya	4.10	1.80	0.05	5.95		5.95
13	04-Apr-21	2021-22	Odisha	3.90	0.60	0.16	4.66		4.66
14	01-Apr-21	2021-22	Rajasthan	5.63	2.30	0.40	8.33		8.33
15	01-Apr-22	2022-23	Telangana*	2.53	0.30	0.06	2.89		2.89
16	01-Apr-21	2021-22	Uttar Pradesh*	3.35	2.70	0.17	6.22		6.22
17	01-Apr-22	2022-23	Uttarakhand	2.90	2.10	0.15	5.15		5.15
18	01-Apr-22	2022-23	Himachal Pradesh*	4.15	0.85	0.12	5.12	2.30	2.82
19	08-Jul-19	2020-21	Kerala	3.43	0.90	0.34	4.67		4.67
20	01-Apr-22	2022-23	Manipur*	5.10	1.95	0.00	7.05		7.05
21	01-Apr-22	2022-23	Punjab*	3.74	1.80	0.49	6.03		6.03
22	11-Aug-17	2017-18	Tamil Nadu*	2.50	0.15	0.00	2.65	1.25	1.40
23	01-Sep-20	2020-21	Tripura*	4.82	0.40	0.00	5.22		5.22
24	01-Apr-21	2021-22	West Bengal	5.49	0.54	0.00	6.03		6.03

Representative Tariffs

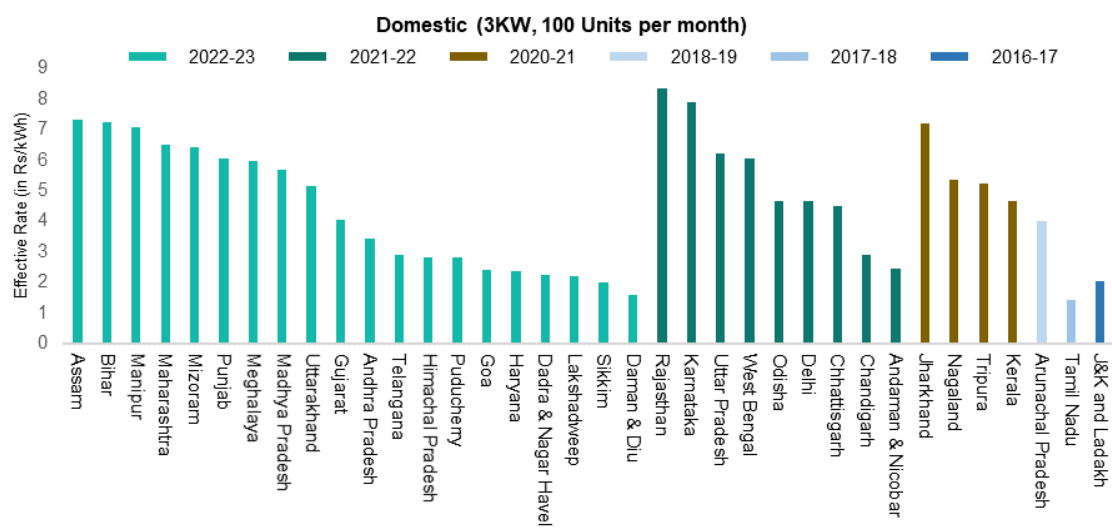
(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Domestic (3KW, 100 Units per month)						
			State	Energy Charges	Fixed Charges	Electrical Duty	Total	Govt Subsidy	Effective Rate
25	01-Jun-18	2018-19	Arunachal Pradesh*	4.00	0.00	0.00	4.00		4.00
26	01-Apr-22	2022-23	Goa*	1.60	0.60	0.20	2.40		2.40
27	01-Oct-16	2016-17	J&K and Ladakh*	1.69	0.17	0.17	2.03		2.03
28	01-Apr-22	2022-23	Mizoram*	4.90	1.50	0.00	6.40		6.40
29	01-Apr-20	2020-21	Nagaland*	5.23	0.10	0.00	5.33		5.33
30	01-Apr-22	2022-23	Puducherry	1.90	0.90	0.00	2.80		2.80
31	01-Apr-22	2022-23	Sikkim	1.50	0.50	0.00	2.00		2.00
32	01-Jun-21	2021-22	Andaman & Nicobar*	2.25	0.20	0.00	2.45		2.45
33	01-Apr-21	2021-22	Chandigarh	2.50	0.30	0.09	2.89		2.89
34	01-Apr-22	2022-23	Dadra & Nagar Haveli	1.95	0.30	0.00	2.25		2.25
35	01-Apr-22	2022-23	Daman & Diu	1.40	0.20	0.00	1.60		1.60
36	01-Apr-22	2022-23	Lakshadweep*	1.60	0.60	0.00	2.20		2.20

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	Domestic (3KW, 500 Units per month)						
			State	Energy Charges	Fixed Charges	Electrical Duty	Total	Govt Subsidy	Effective Rate
1	01-Apr-22	2022-23	Andhra Pradesh*	7.05	0.06	0.0006	7.11		7.11
2	01-Apr-22	2022-23	Assam	6.81	0.36	0.20	7.37		7.37
3	01-Apr-22	2022-23	Bihar ¹	6.61	0.12	0.40	7.13		7.13
4	01-Aug-21	2021-22	Chhattisgarh*	4.80	0.12	0.38	5.30		5.30
5	01-Oct-21	2021-22	Delhi	4.30	0.30	0.22	4.82		4.82
6	01-Apr-22	2022-23	Gujarat	4.50	0.05	0.68	5.23		5.23
7	01-Apr-22	2022-23	Haryana*	5.03	0.00	0.10	5.13		5.13
8	01-Oct-20	2020-21	Jharkhand	6.25	0.15	0.24	6.64		6.64
9	01-Apr-21	2021-22	Karnataka*	7.28	0.55	0.44	8.27		8.27
10	01-Apr-22	2022-23	Madhya Pradesh	6.12	1.56	0.73	8.41		8.41
11	01-Apr-22	2022-23	Maharashtra	9.11	0.21	1.46	10.77		10.77
12	01-Apr-22	2022-23	Meghalaya	5.38	0.36	0.05	5.79		5.79
13	04-Apr-21	2021-22	Odisha	5.30	0.12	0.21	5.63		5.63
14	01-Apr-21	2021-22	Rajasthan	7.04	0.69	0.40	8.13		8.13
15	01-Apr-22	2022-23	Telangana*	7.28	0.06	0.06	7.40		7.40
16	01-Apr-21	2021-22	Uttar Pradesh*	6.05	0.66	0.30	7.01		7.01
17	01-Apr-22	2022-23	Uttarakhand	5.05	0.42	0.15	5.62		5.62
18	01-Apr-22	2022-23	Himachal Pradesh*	5.07	0.17	0.15	5.39	1.22	4.17
19	08-Jul-19	2020-21	Kerala	7.10	0.26	0.71	8.07		8.07
20	01-Apr-22	2022-23	Manipur*	6.26	0.39	0.00	6.65		6.65
21	01-Apr-22	2022-23	Punjab*	6.00	0.36	0.78	7.14		7.14
22	11-Aug-17	2017-18	Tamil Nadu*	5.28	0.05	0.00	5.33	0.25	5.08
23	01-Sep-20	2020-21	Tripura*	6.24	0.10	0.00	6.34		6.34
24	01-Apr-21	2021-22	West Bengal	6.72	0.11	0.67	7.50		7.50

Representative Tariffs

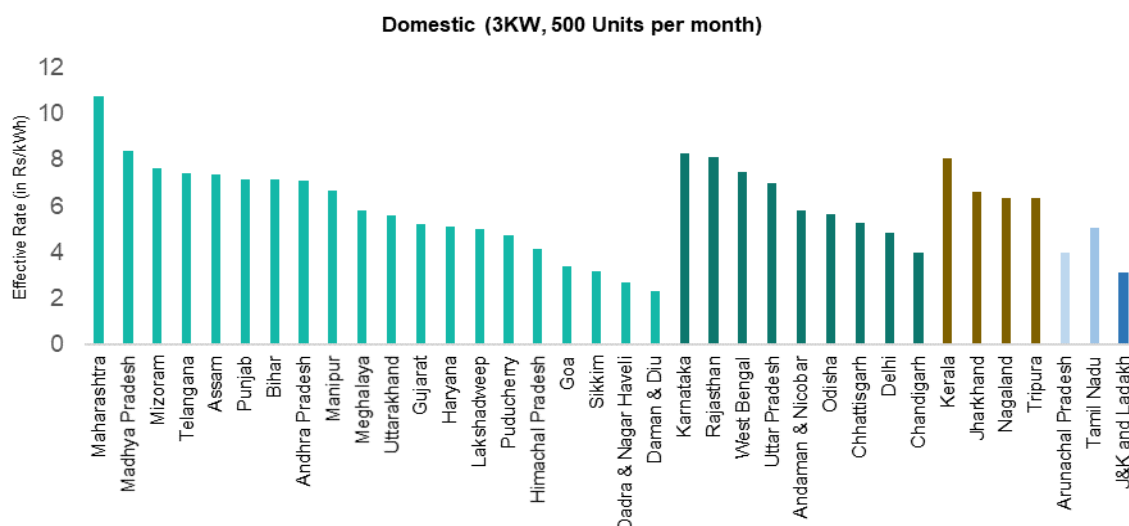
(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Domestic (3KW, 500 Units per month)						
			State	Energy Charges	Fixed Charges	Electrical Duty	Total	Govt Subsidy	Effective Rate
25	01-Jun-18	2018-19	Arunachal Pradesh*	4.00	0.00	0.00	4.00		4.00
26	01-Apr-22	2022-23	Goa*	3.06	0.12	0.20	3.38		3.38
27	01-Oct-16	2016-17	J&K and Ladakh*	2.80	0.03	0.28	3.11		3.11
28	01-Apr-22	2022-23	Mizoram*	7.32	0.30	0.00	7.62		7.62
29	01-Apr-20	2020-21	Nagaland*	6.35	0.02	0.00	6.37		6.37
30	01-Apr-22	2022-23	Puducherry	4.54	0.18	0.00	4.72		4.72
31	01-Apr-22	2022-23	Sikkim	3.10	0.10	0.00	3.20		3.20
32	01-Jun-21	2021-22	Andaman & Nicobar	5.77	0.04	0.00	5.81		5.81
33	01-Apr-21	2021-22	Chandigarh	3.81	0.06	0.09	3.96		3.96
34	01-Apr-22	2022-23	Dadra & Nagar Haveli*	2.65	0.06	0.00	2.71		2.71
35	01-Apr-22	2022-23	Daman & Diu	2.28	0.04	0.00	2.32		2.32
36	01-Apr-22	2022-23	Lakshadweep*	4.88	0.12	0.00	5.00		5.00

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)

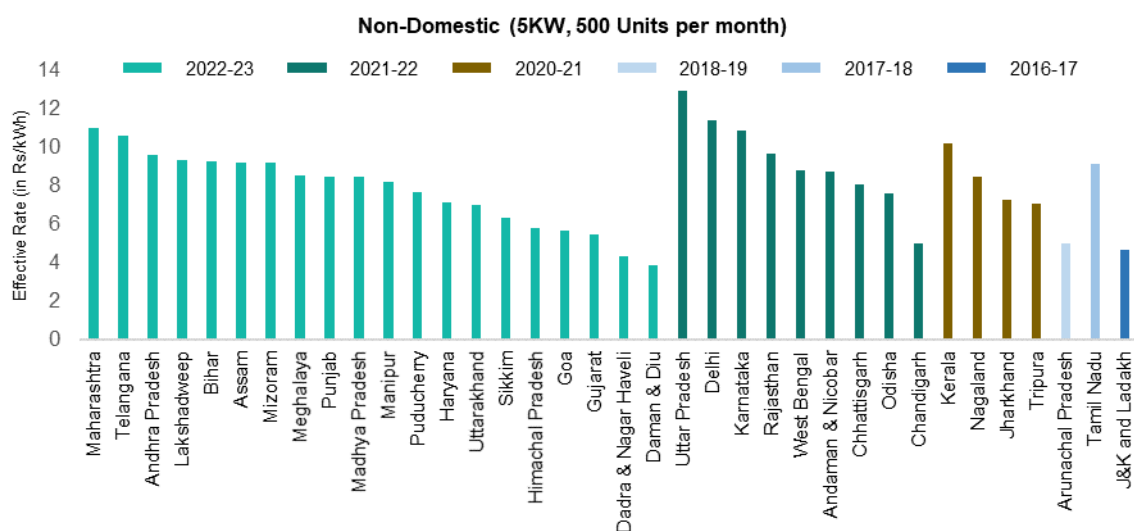
#	Tariff Applicable from	Applicable Period	Non-Domestic (5KW, 500 Units per month)				
			State	Energy Charges	Fixed Charges	Electrical Duty	Effective Rate
1	01-Apr-22	2022-23	Andhra Pradesh	8.77	0.75	0.06	9.58
2	01-Apr-22	2022-23	Assam	7.60	1.40	0.20	9.20
3	01-Apr-22	2022-23	Bihar ¹	7.08	1.80	0.42	9.30
4	01-Aug-21	2021-22	Chhattisgarh	6.78	0.50	0.81	8.09
5	01-Oct-21	2021-22	Delhi	8.50	2.50	0.43	11.43
6	01-Apr-22	2022-23	Gujarat	4.35	0.50	0.65	5.50
7	01-Apr-22	2022-23	Haryana	7.05	0.00	0.10	7.15
8	01-Oct-20	2020-21	Jharkhand	6.00	1.00	0.30	7.30
9	01-Apr-21	2021-22	Karnataka	9.25	1.05	0.56	10.86
10	01-Apr-22	2022-23	Madhya Pradesh	6.50	1.56	0.39	8.45
11	01-Apr-22	2022-23	Maharashtra	8.42	0.85	1.77	11.04
12	01-Apr-22	2022-23	Meghalaya	7.30	1.20	0.06	8.56
13	04-Apr-21	2021-22	Odisha	7.02	0.30	0.28	7.60
14	01-Apr-21	2021-22	Rajasthan	8.52	0.76	0.40	9.68
15	01-Apr-22	2022-23	Telangana	9.82	0.70	0.06	10.58
16	01-Apr-21	2021-22	Uttar Pradesh	7.86	4.50	0.59	12.95
17	01-Apr-22	2022-23	Uttarakhand	5.90	0.95	0.15	7.00
18	01-Apr-22	2022-23	Himachal Pradesh*	5.10	0.29	0.41	5.80
19	08-Jul-19	2020-21	Kerala	8.00	1.40	0.80	10.20
20	01-Apr-22	2022-23	Manipur	7.35	0.85	0.00	8.20
21	01-Apr-22	2022-23	Punjab	7.12	0.45	0.93	8.49
22	11-Aug-17	2017-18	Tamil Nadu	8.05	0.70	0.40	9.15
23	01-Sep-20	2020-21	Tripura	6.93	0.12	0.00	7.05
24	01-Apr-21	2021-22	West Bengal	7.48	0.36	0.94	8.78
25	01-Jun-18	2018-19	Arunachal Pradesh	5.00	0.00	0.00	5.00
26	01-Apr-22	2022-23	Goa	4.57	0.40	0.70	5.67

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
27	01-Oct-16	2016-17	J&K and Ladakh	3.86	0.42	0.39	4.67
28	01-Apr-22	2022-23	Mizoram	8.38	0.80	0.00	9.18
29	01-Apr-20	2020-21	Nagaland	8.43	0.03	0.00	8.46
30	01-Apr-22	2022-23	Puducherry	6.92	0.75	0.00	7.67
31	01-Apr-22	2022-23	Sikkim	5.36	1.00	0.00	6.36
32	01-Jun-21	2021-22	Andaman & Nicobar	8.70	0.06	0.00	8.76
33	01-Apr-21	2021-22	Chandigarh	4.70	0.20	0.11	5.01
34	01-Apr-22	2022-23	Dadra & Nagar Haveli	4.15	0.20	0.00	4.35
35	01-Apr-22	2022-23	Daman & Diu	3.84	0.05	0.00	3.89
36	01-Apr-22	2022-23	Lakshadweep	9.04	0.30	0.00	9.34

[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-Apr-22	2022-23	Andhra Pradesh*	0.00	0.00	0.00	0.00	-	0.00
2	01-Apr-22	2022-23	Assam	4.65	0.50	0.20	5.35	-	5.35
3	01-Apr-22	2022-23	Bihar ¹	5.55	0.37	0.04	5.96	-	5.96
4	01-Aug-21	2021-22	Chhattisgarh*	4.90	1.22	0.00	6.12	-	6.12
5	01-Oct-21	2021-22	Delhi	1.50	1.15	0.08	2.73	-	2.73
6	01-Apr-22	2022-23	Gujarat*	0.60	0.24	0.00	0.84	-	0.84
7	01-Apr-22	2022-23	Haryana*	6.67	0.00	0.00	6.67	-	6.67
8	01-Oct-20	2020-21	Jharkhand	5.00	0.24	0.02	5.26	-	5.26
9	01-Apr-21	2021-22	Karnataka	4.30	0.00	0.00	4.30	4.30	0.00
10	01-Apr-22	2022-23	Madhya Pradesh	5.46	0.99	0.00	6.46	-	6.46
11	01-Apr-22	2022-23	Maharashtra	3.30	0.53	0.00	3.83	-	3.83
12	01-Apr-22	2022-23	Meghalaya	3.00	1.01	0.06	4.07	-	4.07
13	04-Apr-21	2021-22	Odisha	1.50	0.11	0.03	1.64	0.10	1.54
14	01-Apr-21	2021-22	Rajasthan	5.55	0.37	0.04	5.96	-	5.96
15	01-Apr-22	2022-23	Telangana*	4.00	0.18	0.00	4.18	-	4.18
16	01-Apr-21	2021-22	Uttar Pradesh*	2.00	0.86	0.15	3.01	-	3.01
17	01-Apr-22	2022-23	Uttarakhand	2.85	0.00	0.15	3.00	-	3.00
18	01-Apr-22	2022-23	Himachal Pradesh*	3.90	0.13	0.39	4.42	3.60	0.82
19	08-Jul-19	2020-21	Kerala	2.30	0.09	0.23	2.62	-	2.62
20	01-Apr-22	2022-23	Manipur*	4.55	0.60	0.00	5.15	-	5.15
21	01-Apr-22	2022-23	Punjab	5.66	0.00	0.74	5.66	5.66	0.74
22	11-Aug-17	2017-18	Tamil Nadu	3.22	0.00	0.00	3.22	3.22	0.00
23	01-Sep-20	2020-21	Tripura*	4.55	0.55	0.00	5.10	-	5.10
24	01-Apr-21	2021-22	West Bengal	4.54	0.22	0.00	4.76	-	4.76
25	01-Jun-18	2018-19	Arunachal Pradesh*	3.10	0.00	0.00	3.10	-	3.10
26	01-Apr-22	2022-23	Goa*	1.50	0.22	0.20	1.92	-	1.92

▪ There is no Agricultural category in Sikkim and Lakshadweep

Representative Tariffs

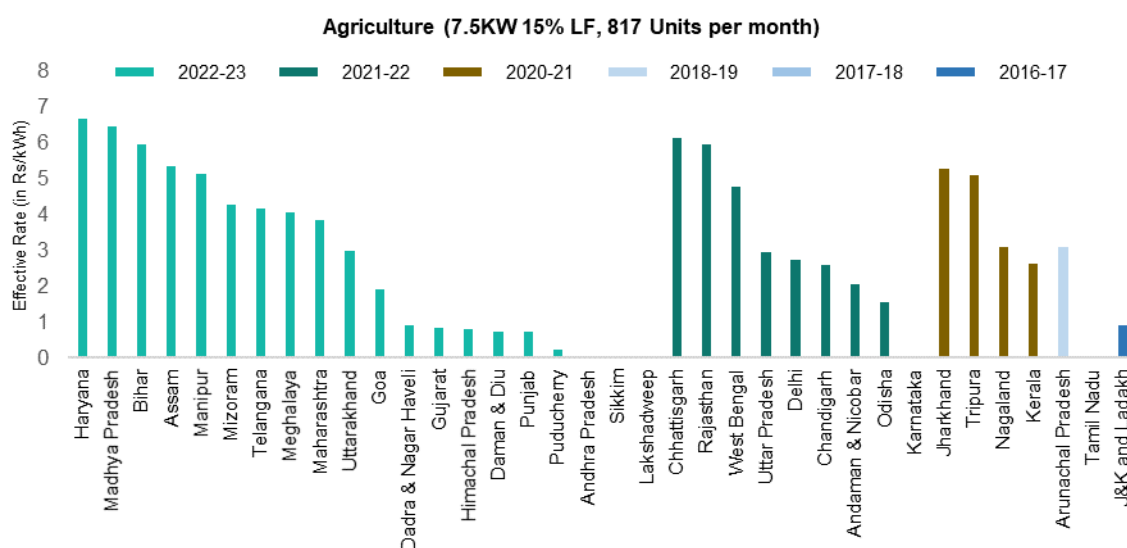
(Figures in Rs/kWh)

#	Tariff Applicable from	Applicable Period	Agriculture (7.5KW 15% LF, 817 Units per month)						
			State	Energy Charge	Fixed Charge	Electrical Duty	Total	Govt Subsidy	Effective Rate
27	01-Oct-16	2016-17	J&K and Ladakh*	0.66	0.18	0.07	0.91	-	0.91
28	01-Apr-22	2022-23	Mizoram*	3.80	0.46	0.00	4.26	-	4.26
29	01-Apr-20	2020-21	Nagaland*	3.10	0.00	0.00	3.10	-	3.10
30	01-Apr-22	2022-23	Puducherry	0.00	0.24	0.00	0.24	-	0.24
31	01-Apr-22	2022-23	Sikkim	-	-	-	-	-	0.00
32	01-Jun-21	2021-22	Andaman & Nicobar*	1.60	0.46	0.00	2.06	-	2.06
33	01-Apr-21	2021-22	Chandigarh	2.60	0.00	0.00	2.60	-	2.60
34	01-Apr-22	2022-23	Dadra & Nagar Haveli	0.90	0.00	0.00	0.90	-	0.90
35	01-Apr-22	2022-23	Daman & Diu	0.75	0.00	0.00	0.75	-	0.75
36	01-Apr-22	2022-23	Lakshadweep	-	-	-	-	-	0.00

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-Apr-22	2022-23	Andhra Pradesh	6.70	0.51	0.06	7.27
2	01-Apr-22	2022-23	Assam	5.40	0.48	0.20	6.08
3	01-Apr-22	2022-23	Bihar ¹	6.40	1.18	0.38	7.97
4	01-Aug-21	2021-22	Chhattisgarh	5.00	0.82	0.15	5.97
5	01-Oct-21	2021-22	Delhi	7.75	1.71	0.39	9.85
6	01-Apr-22	2022-23	Gujarat	4.35	0.34	0.44	5.13
7	01-Apr-22	2022-23	Haryana	7.05	0.00	0.10	7.15
8	01-Oct-20	2020-21	Jharkhand	5.75	0.68	0.05	6.48
9	01-Apr-21	2021-22	Karnataka	6.85	0.78	0.41	8.04
10	01-Apr-22	2022-23	Madhya Pradesh	6.60	2.19	0.59	9.39
11	01-Apr-22	2022-23	Maharashtra	6.46	0.33	0.60	7.39
12	01-Apr-22	2022-23	Meghalaya	6.50	0.99	0.05	7.54
13	04-Apr-21	2021-22	Odisha	6.20	0.27	0.31	6.78
14	01-Apr-21	2021-22	Rajasthan	6.30	1.00	0.40	7.70
15	01-Apr-22	2022-23	Telangana	7.70	0.51	0.06	8.27
16	01-Apr-21	2021-22	Uttar Pradesh	7.40	1.99	0.56	9.94
17	01-Apr-22	2022-23	Uttarakhand	4.80	1.13	0.20	6.13
18	01-Apr-22	2022-23	Himachal Pradesh*	4.75	0.11	0.24	5.09
19	08-Jul-19	2020-21	Kerala	5.65	0.08	0.57	6.30
20	01-Apr-22	2022-23	Manipur	5.60	0.48	0.00	6.08
21	01-Apr-22	2022-23	Punjab	5.37	0.66	0.70	6.73
22	11-Aug-17	2017-18	Tamil Nadu	4.60	0.14	0.23	4.97
23	01-Sep-20	2020-21	Tripura	7.10	0.31	0.00	7.41
24	01-Apr-21	2021-22	West Bengal	7.25	0.41	0.18	7.84
25	01-Jun-18	2018-19	Arunachal Pradesh	3.85	0.00	0.00	3.85
26	01-Apr-22	2022-23	Goa	3.76	0.37	0.70	4.83
27	01-Oct-16	2016-17	J&K and Ladakh	3.30	0.34	0.33	3.97

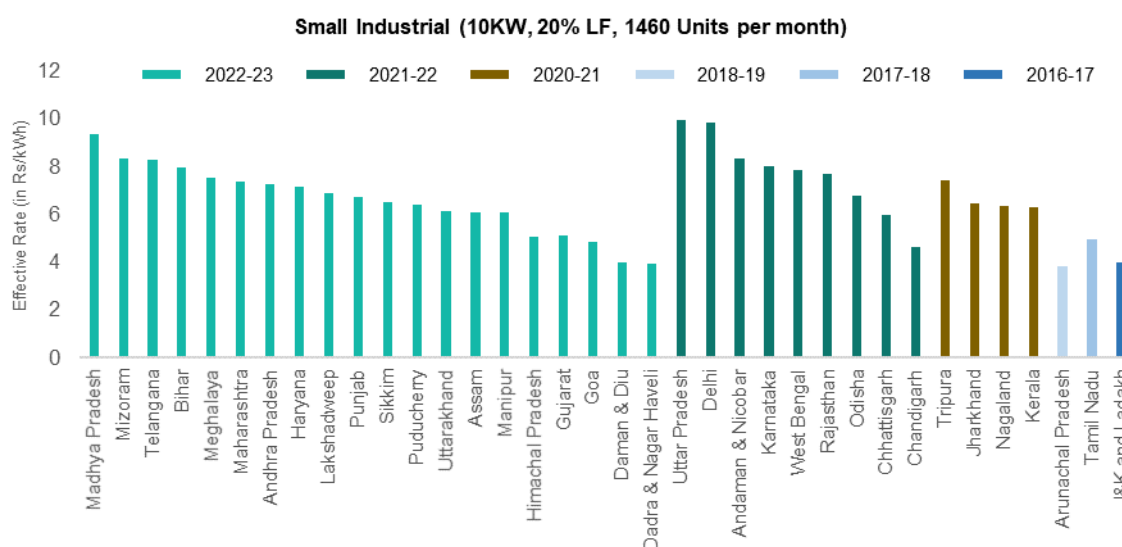
Representative Tariffs

(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	Mizoram	7.79	0.55	0.00	8.34
29	01-Apr-20	2020-21	Nagaland	6.33	0.01	0.00	6.34
30	01-Apr-22	2022-23	Puducherry	6.05	0.34	0.00	6.39
31	01-Apr-22	2022-23	Sikkim	6.19	0.34	0.00	6.53
32	01-Jun-21	2021-22	Andaman & Nicobar	7.97	0.34	0.00	8.32
33	01-Apr-21	2021-22	Chandigarh	4.30	0.21	0.11	4.62
34	01-Apr-22	2022-23	Dadra & Nagar Haveli	3.65	0.27	0.00	3.92
35	01-Apr-22	2022-23	Daman & Diu	3.60	0.37	0.00	3.97
36	01-Apr-22	2022-23	Lakshadweep	6.50	0.41	0.00	6.91

[*] 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-Apr-22	2022-23	Andhra Pradesh	6.70	0.34	0.06	7.10
2	01-Apr-22	2022-23	Assam	6.25	1.04	0.20	7.49
3	01-Apr-22	2022-23	Bihar ¹	6.40	0.99	0.38	7.77
4	01-Aug-21	2021-22	Chhattisgarh	5.75	0.68	0.17	6.61
5	01-Oct-21	2021-22	Delhi	7.75	1.14	0.39	9.28
6	01-Apr-22	2022-23	Gujarat	4.60	0.45	0.46	5.51
7	01-Apr-22	2022-23	Haryana	6.40	0.58	0.10	7.08
8	01-Oct-20	2020-21	Jharkhand	5.75	0.46	0.05	6.26
9	01-Apr-21	2021-22	Karnataka	7.24	0.64	0.43	8.31
10	01-Apr-22	2022-23	Madhya Pradesh	6.60	1.46	0.59	8.66
11	01-Apr-22	2022-23	Maharashtra	7.40	1.47	0.69	9.55
12	01-Apr-22	2022-23	Meghalaya	6.50	0.66	0.05	7.21
13	04-Apr-21	2021-22	Odisha	6.20	0.37	0.31	6.88
14	01-Apr-21	2021-22	Rajasthan	7.00	0.70	0.40	8.10
15	01-Apr-22	2022-23	Telangana	7.70	0.34	0.06	8.10
16	01-Apr-21	2021-22	Uttar Pradesh	7.90	1.32	0.59	9.82
17	01-Apr-22	2022-23	Uttarakhand	4.50	0.93	0.20	5.63
18	01-Apr-22	2022-23	Himachal Pradesh*	4.60	0.66	0.51	5.76
19	08-Jul-19	2020-21	Kerala	5.75	0.78	0.58	7.10
20	01-Apr-22	2022-23	Manipur	8.00	0.58	0.00	8.58
21	01-Apr-22	2022-23	Punjab	5.80	0.66	0.75	7.21
22	11-Aug-17	2017-18	Tamil Nadu	6.35	0.16	0.32	6.83
23	01-Sep-20	2020-21	Tripura	7.24	0.27	0.00	7.51
24	01-Apr-21	2021-22	West Bengal	7.87	0.27	0.98	9.13
25	01-Jun-18	2018-19	Arunachal Pradesh	3.50	0.00	0.00	3.50
26	01-Apr-22	2022-23	Goa	3.95	0.24	0.70	4.89
27	01-Oct-16	2016-17	J&K and Ladakh	3.09	0.21	0.31	3.61

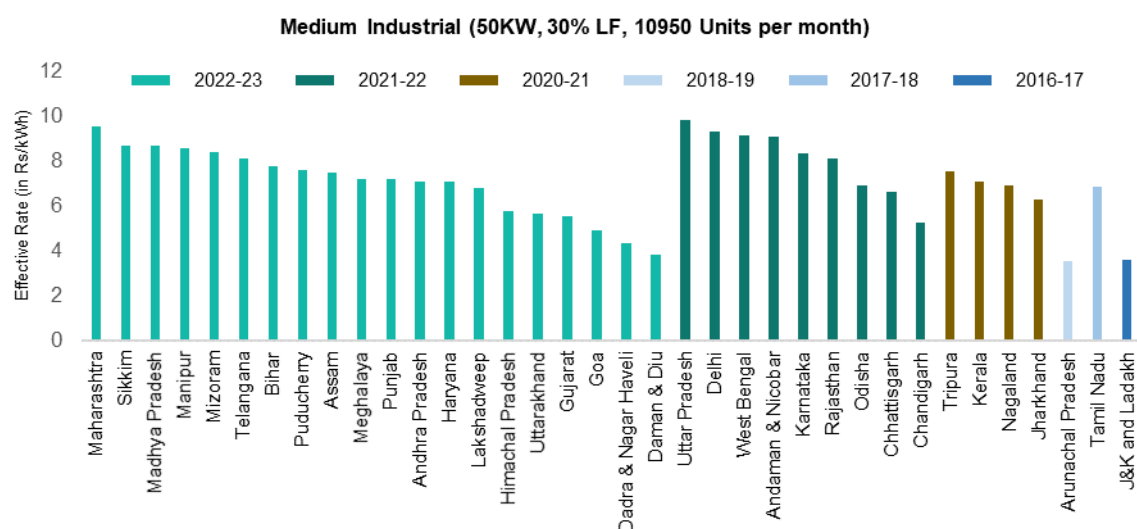
Representative Tariffs

(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	Mizoram	8.02	0.37	0.00	8.38
29	01-Apr-20	2020-21	Nagaland	6.91	0.00	0.00	6.91
30	01-Apr-22	2022-23	Puducherry	5.30	2.30	0.00	7.60
31	01-Apr-22	2022-23	Sikkim	7.02	1.64	0.00	8.67
32	01-Jun-21	2021-22	Andaman & Nicobar	8.86	0.23	0.00	9.09
33	01-Apr-21	2021-22	Chandigarh	4.20	0.91	0.11	5.22
34	01-Apr-22	2022-23	Dadra & Nagar Haveli	3.85	0.49	0.00	4.34
35	01-Apr-22	2022-23	Daman & Diu	3.60	0.24	0.00	3.84
36	01-Apr-22	2022-23	Lakshadweep	6.50	0.27	0.00	6.77

[*] 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-Apr-22	2022-23	Andhra Pradesh	6.30	1.30	0.06	7.66
2	01-Apr-22	2022-23	Assam	6.65	0.89	0.20	7.74
3	01-Apr-22	2022-23	Bihar	6.55	0.99	0.39	7.93
4	01-Aug-21	2021-22	Chhattisgarh	7.10	1.03	1.42	9.55
5	01-Oct-21	2021-22	Delhi	7.75	0.68	0.39	8.82
6	01-Apr-22	2022-23	Gujarat	4.20	0.82	0.63	5.65
7	01-Apr-22	2022-23	Haryana	6.55	0.54	0.10	7.19
8	01-Oct-20	2020-21	Jharkhand	5.50	0.96	0.05	6.51
9	01-Apr-21	2021-22	Karnataka	7.67	0.68	0.46	8.81
10	01-Apr-22	2022-23	Madhya Pradesh	7.20	1.22	1.08	9.50
11	01-Apr-22	2022-23	Maharashtra	7.44	1.49	0.69	9.62
12	01-Apr-22	2022-23	Meghalaya	7.04	0.76	0.03	7.83
13	04-Apr-21	2021-22	Odisha	5.85	0.82	0.47	7.14
14	01-Apr-21	2021-22	Rajasthan	7.30	0.74	0.40	8.44
15	01-Apr-22	2022-23	Telangana	7.65	1.56	0.06	9.27
16	01-Apr-21	2021-22	Uttar Pradesh	7.10	0.82	0.53	8.45
17	01-Apr-22	2022-23	Uttarakhand	5.04	1.41	0.50	6.95
18	01-Apr-22	2022-23	Himachal Pradesh	4.35	1.32	0.48	6.14
19	08-Jul-19	2020-21	Kerala	5.75	0.93	0.10	6.78
20	01-Apr-22	2022-23	Manipur	9.10	0.35	0.00	9.45
21	01-Apr-22	2022-23	Punjab	6.15	0.81	0.80	7.75
22	11-Aug-17	2017-18	Tamil Nadu	6.35	0.96	0.24	7.55
23	01-Sep-20	2020-21	Tripura	7.25	0.21	0.00	7.46
24	01-Apr-21	2021-22	West Bengal	7.42	1.26	0.93	9.61
25	01-Jun-18	2018-19	Arunachal Pradesh	3.35	0.00	0.00	3.35
26	01-Apr-22	2022-23	Goa	4.80	0.82	0.70	6.32

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
27	01-Oct-16	2016-17	J&K and Ladakh	2.95	0.37	0.30	3.62
28	01-Apr-22	2022-23	Mizoram	9.05	0.26	0.00	9.31
29	01-Apr-20	2020-21	Nagaland	7.29	0.00	0.00	7.29
30	01-Apr-22	2022-23	Puducherry	5.30	1.38	0.00	6.68
31	01-Apr-22	2022-23	Sikkim	6.55	1.43	0.00	7.98
32	01-Jun-21	2021-22	Andaman & Nicobar	9.00	0.14	0.00	9.13
33	01-Apr-21	2021-22	Chandigarh	4.50	0.55	0.11	5.16
34	01-Apr-22	2022-23	Dadra & Nagar Haveli	4.30	1.32	0.00	5.62
35	01-Apr-22	2022-23	Daman & Diu	4.20	1.04	0.00	5.24
36	01-Apr-22	2022-23	Lakshadweep	9.20	0.49	0.00	9.69

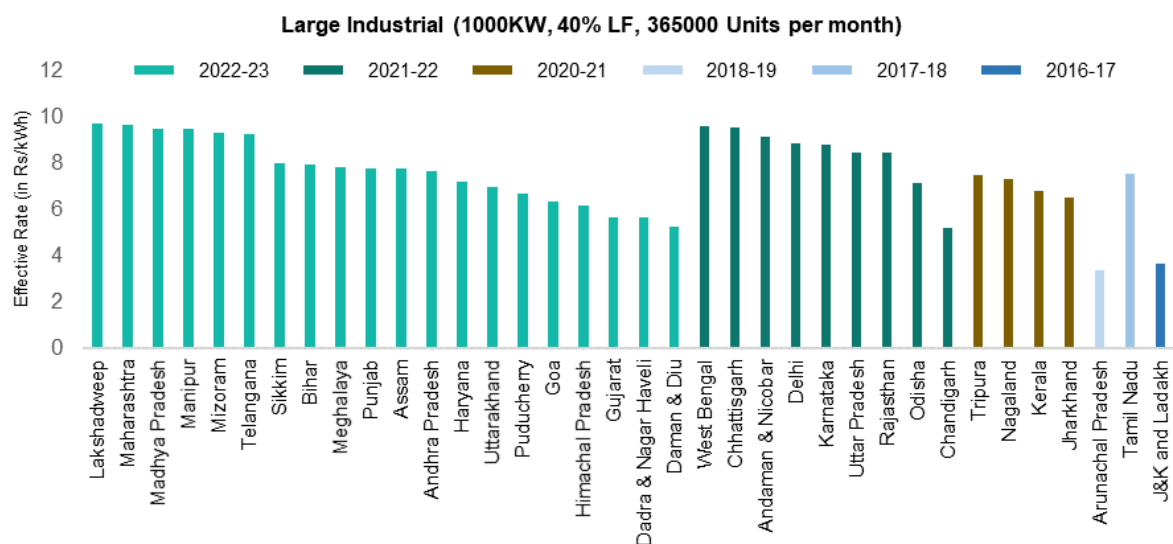
Assumptions

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 /month)	Domestic (3KW, 500 Units /month)	Non-Domestic (5KW, 500 Units /month)	Agriculture (7.5KW, 15% LF, 817 Units /month)	Small Industrial (10KW, 20% LF, 1460 Units/month)	Medium Industrial (50KW, 30% LF, 10950 Units/month)	Large Industrial (1000KW, 40% LF, 365000 Units /month)
1	2022-23	Andhra Pradesh*	3.41	7.11	9.58	0.00	7.27	7.10	7.66
2	2022-23	Assam	7.30	7.37	9.20	5.35	6.08	7.49	7.74
3	2022-23	Bihar ¹	7.23	7.13	9.30	5.96	7.97	7.77	7.93
4	2021-22	Chhattisgarh*	4.49	5.30	8.09	6.12	5.97	6.61	9.55
5	2021-22	Delhi	4.65	4.82	11.43	2.73	9.85	9.28	8.82
6	2022-23	Gujarat	4.02	5.23	5.50	0.84	5.13	5.51	5.65
7	2022-23	Haryana*	2.35	5.13	7.15	6.67	7.15	7.08	7.19
8	2020-21	Jharkhand	7.20	6.64	7.30	5.26	6.48	6.26	6.51
9	2021-22	Karnataka*	7.87	8.27	10.86	0.00	8.04	8.31	8.81
10	2022-23	Madhya Pradesh	5.66	8.41	8.45	6.46	9.39	8.66	9.50
11	2022-23	Maharashtra	6.51	10.77	11.04	3.83	7.39	9.55	9.62
12	2022-23	Meghalaya	5.95	5.79	8.56	4.07	7.54	7.21	7.83
13	2022-23	Odisha	4.66	5.63	7.60	1.54	6.78	6.88	7.14
14	2021-22	Rajasthan**	8.33	8.13	9.68	5.96	7.70	8.10	8.44
15	2022-23	Telangana*	2.89	7.40	10.58	4.18	8.27	8.10	9.27
16	2021-22	Uttar Pradesh*	6.22	7.01	12.95	3.01	9.94	9.82	8.45
17	2022-23	Uttarakhand	5.15	5.62	7.00	3.00	6.13	5.63	6.95
18	2022-23	Himachal Pradesh*	2.82	4.17	5.80	0.82	5.09	5.76	6.14
19	2020-21	Kerala	4.67	8.07	10.20	2.62	6.30	7.10	6.78
20	2022-23	Manipur*	7.05	6.65	8.20	5.15	6.08	8.58	9.45
21	2022-23	Punjab*	6.03	7.14	8.49	0.74	6.73	7.21	7.75
22	2017-18	Tamil Nadu*	1.40	5.08	9.15	0.00	4.97	6.83	7.55
23	2020-21	Tripura*	5.22	6.34	7.05	5.10	7.41	7.51	7.46

Representative Tariffs

(Figures in Rs/kWh)

#	Applicable Period	State	Effective Rate						
			Domestic (3KW, 100 Units /month)	Domestic (3KW, 500 Units /month)	Non-Domestic (5KW, 500 Units /month)	Agriculture (7.5KW 15% LF, 817 Units /month)	Small Industrial (10KW, 20% LF, 1460 Units/month)	Medium Industrial (50KW, 30% LF, 10950 Units/month)	Large Industrial (1000KW, 40% LF, 365000 Units /month)
24	2021-22	West Bengal	6.03	7.50	8.78	4.76	7.84	9.13	9.61
25	2018-19	Arunachal Pradesh*	4.00	4.00	5.00	3.10	3.85	3.50	3.35
26	2022-23	Goa*	2.40	3.38	5.67	1.92	4.83	4.89	6.32
27	2016-17	J&K and Ladakh*	2.03	3.11	4.67	0.91	3.97	3.61	3.62
28	2022-23	Mizoram*	6.40	7.62	9.18	4.26	8.34	8.38	9.31
29	2020-21	Nagaland*	5.33	6.37	8.46	3.10	6.34	6.91	7.29
30	2022-23	Puducherry	2.80	4.72	7.67	0.24	6.39	7.60	6.68
31	2022-23	Sikkim	2.00	3.20	6.36	0.00	6.53	8.67	7.98
32	2021-22	Andaman & Nicobar*	2.45	5.81	8.76	2.06	8.32	9.09	9.13
33	2021-22	Chandigarh	2.89	3.96	5.01	2.60	4.62	5.22	5.16
34	2022-23	Dadra & Nagar Haveli	2.25	2.71	4.35	0.90	3.92	4.34	5.62
35	2022-23	Daman & Diu	1.60	2.32	3.89	0.75	3.97	3.84	5.24
36	2022-23	Lakshadweep*	2.20	5.00	9.34	0.00	6.91	6.77	9.69

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

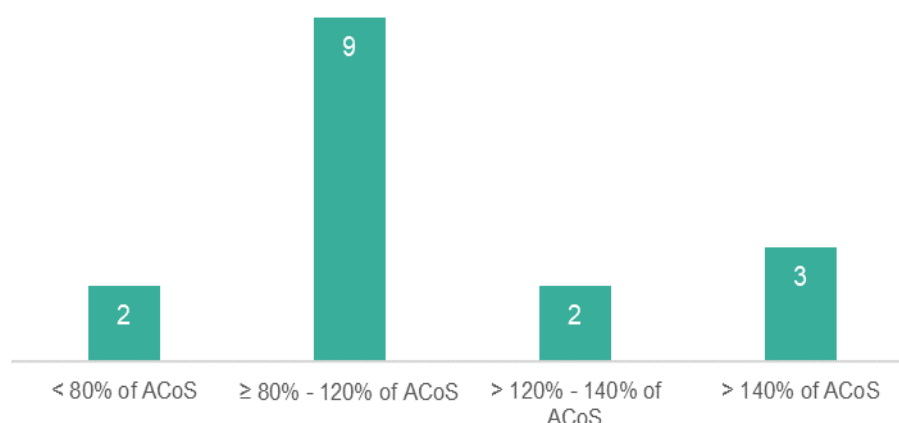
States/UT	Cross-Subsidy (%)				Energy Consumption (in MUs)			
	2019-20	2020-21	2021-22	2022-23	2019-20	2020-21	2021-22	2022-23
Andhra Pradesh	128%	118%	132%	125%	1,513	1,473	1,543	1,664
Assam	96%	89%	83%	90%	103	133	132	134
Bihar	135%	145%	139%	147%	1,599	617	859	873
Chhattisgarh	106%	111%	140%	--	539	548	565	--
Delhi	NA	NA	--	--	NA	NA	--	--
Gujarat	NA	NA	NA	NA	NA	NA	NA	NA
Haryana	111%	102%	112%	--	2,125	1,492	2,134	2,560
Jharkhand	N/A	124%	157%	--	230	249	197	--
Karnataka	122%	122%	128%	--	2,100	1,804	2,020	--
Madhya Pradesh	133%	145%	139%	150%	1,451	1,289	1,456	1564
Maharashtra	116%	111%	110%	--	7,232	7,515	7,879	8,260
Meghalaya	--	N/A	140%	175%	--	5	6	6
Odisha ¹	NA	NA	NA	NA	NA	NA	NA	NA
Rajasthan	103%	--	108%	--	820	--	819	--
Telangana	--	--	--	123%	--	--	--	1150
Uttar Pradesh	127%	128%	148%	--	3,807	3,071	3,425	--
Uttarakhand	109%	109%	109%	106%	315	317	320	341
Himachal Pradesh	112%	118%	163%	101%	202	124	90	92
Kerala	115%	--	--	--	1,135	--	--	--
Manipur	43%	54%	47%	48%	20	21	19	23
Punjab	112%	104%	113%	110%	2,844	844	1,052	1312
Tamil Nadu	--	--	--	--	--	--	--	--
Tripura	NA	NA	--	--	NA	NA	--	--
West Bengal ²	--	--	--	--	1,481	1,481	1,536	1593
Arunachal Pradesh	--	--	--	--	--	--	--	--
Goa	78%	81%	84%	83%	107	110	85	81
J&K and Ladakh	--	--	--	--	--	--	--	--
Mizoram	109%	86%	99%	87%	2	4	3	5
Nagaland ³	NA	NA	NA	NA	NA	NA	NA	NA
Puducherry	103%	102%	108%	119%	148	130	124	168
Sikkim	100%	108%	76%	--	6	5	2	2
Andaman & Nicobar	NA	NA	NA	--	NA	NA	NA	--
Chandigarh	113%	101%	94%	--	148	33	18	--

Cross Subsidy and Consumption Trend for LT Industrial Consumers

States/UT	Cross-Subsidy (%)				Energy Consumption (in MUs)			
Dadra & Nagar Haveli	87%	102%	81%	103%	224	240	283	--
Daman & Diu	70%	90%	91%	94%	220	205	221	216
Lakshadweep	NA	51%	43%	39%	NA	0.35	0.37	0.40

Summary of findings:

LT Industrial Consumers



Notes:

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

Remarks:

1. For Odisha, consumer category wise values are not provided
2. For West Bengal, WBSEDCL has taken over the entire business of distribution of electricity of the Durgapur Projects Limited (DPL) along with all associated assets and liabilities with effect from 01.01.2019. Therefore, the total energy consumption also includes DPLs energy consumption along with WBSEDCL
3. There is no bifurcation (i.e., LT and HT Industry) done by the commission for industrial category consumers for Nagaland. Hence, the energy consumption for this category is considered in Annexure 6.2

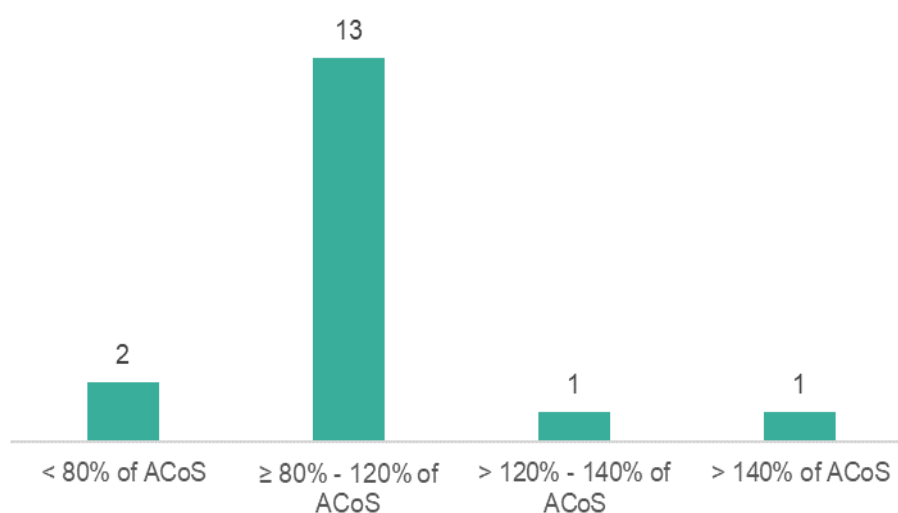
Cross Subsidy and Consumption Trend for HT Industrial Consumers

DISCOMS	Cross-Subsidy (in %)				Energy Consumption (in MUs)			
	2019-20	2020-21	2021-22	2022-23	2019-20	2020-21	2021-22	2022-23
Andhra Pradesh	115%	107%	118%	106%	15,384	14,967	14,546	1,718
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
Chhattisgarh	125%	115%	122%	--	8,142	7,290	7,173	--
Delhi	131%	133%	--	--	3,597	2,842	--	--
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
Jharkhand	N/A	109%	109%	--	2708	2,481	2492	--
Karnataka	123%	123%	122%	--	8,396	7,293	7,763	--
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
Meghalaya	--	N/A	145%	150%	--	139	197	249
Odisha ¹	NA	NA	NA	NA	NA	NA	NA	NA
Rajasthan	111%	--	121%	--	16,095	--	13992	--
Telangana	--	--	--	55%	--	--	--	15,445
Uttar Pradesh	101%	115%	127%	--	13,127	10,855	12,353	--
Uttarakhand	110%	109%	108%	107%	6,446	6,633	6,884	6,058
Himachal Pradesh	103%	109%	107%	91%	5,016	4,701	5,400	5,508
Kerala	103%	--	--	--	3,530	--	--	--
Manipur	78%	98%	98%	117%	10	12	12	15
Punjab	111%	109%	111%	106%	14,573	15,095	17,943	18,188
Tamil Nadu	--	--	--	--	--	--	--	--
Tripura	--	178%	--	--	--	37	--	--
West Bengal ²	--	--	--	--	8,627	8,627	9,001	9,391
Arunachal Pradesh	--	--	--	--	--	--	--	--
Goa	95%	103%	102%	102%	1,970	2,063	2,001	2,054
J&K and Ladakh	--	--	--	--	--	--	--	--
Mizoram	105%	76%	103%	114%	12	12	9	6
Nagaland	71%	60%	59%	--	75	63	69	76
Puducherry	122%	119%	123%	109%	832	942	920	514
Sikkim	167%	199%	155%	--	215	218	208	252
Andaman & Nicobar	29%	28%	28%	--	24	19	10	--
Chandigarh	121%	114%	110%	--	120	330	233	--

Cross Subsidy and Consumption Trend for HT Industrial Consumers

DISCOMS	Cross-Subsidy (in %)				Energy Consumption (in MUs)			
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
Lakshadweep	48%	38%	16%	35%	0.45	1	1	1

HT Industrial Consumers



Notes:

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

Remarks:

1. For Odisha, consumer category wise values are not provided
2. For West Bengal, WBSEDCL has taken over the entire business of distribution of electricity of the Durgapur Projects Limited (DPL) along with all associated assets and liabilities with effect from 01.01.2019. Therefore, the total energy consumption also includes DPLs energy consumption along with WBSEDCL



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		2.60	2.69	3.18
III (C) Energy Intensive Industries		--	--	--
IV (A) Utilities- Major(Composite Protected Water Supply Schemes/PWS)		2.06	1.90	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		2.60	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	1.50	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	2.50	--

Cross Subsidy Surcharge

(Figures Rs./kWh)

II (B) Start Up Power	2.45	2.45	--
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	0.00		
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	
Chhattisgarh	2021-22		
Category	CSPDCL		
220 kV/132 kV	0.88		
33 kV	0.58		
Delhi	2021-22		
Category	BRPL	BYPL	TPDDL
Industrial			
Above 66kV level	1.90	1.88	1.87

Cross Subsidy Surcharge

(Figures Rs./kWh)

At 33/ 66kV level	1.90	1.88	1.87			
At 11 kV level	1.90	1.88	1.87			
At LT level	1.90	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						
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	0.80	0.26			
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	0.80	0.26			
Gujarat	2022-23					
Category	DGVCL	PGVCL	MGVCL	UGVCL	TPL-DS	TPL-DA
HT Category	1.50	1.50	1.50	1.50	0.67	1.33
Haryana	2022-23					
Category	UHBVNL			DHBVNL		
HT Supply	1.21			1.21		
Bulk Supply (other than DS)	1.00			1.00		
Railways (Traction)	0.86			0.86		
LT Supply	0.96			0.96		

Cross Subsidy Surcharge

(Figures Rs./kWh)

Non-Domestic Supply (HT Supply)	1.28		1.28		
Jharkhand	2020-21				
Category	JBVNL				
HT Services 11 kV	1.41				
HT Services 33 kV & Above	1.41				
Karnataka	2021-22				
Category	BESCOM	HESCOM	MESCOM	GESCOM	CESC
HT-1 Water Supply	1.28	1.28	1.28	1.28	1.28
HT-2a (i) Industries	2.23	1.86	1.86	1.86	1.86
HT-2a (ii) Industries	1.86	-	-	-	-
HT-2b (i) Commercial	2.62	2.32	2.32	2.32	2.32
HT-2b (ii)Commercial	2.32	-	-	-	-
HT-2c (i)	1.81	1.81	1.81	1.81	1.81
HT-2c (ii)	2.03	2.03	2.03	2.03	2.03
HT-3a (i) Lift Irrigation	0.62	0.62	0.62	0.62	0.62
HT-3a (ii) Lift Irrigation	0.9	0.9	0.9	0.9	0.9
HT-3a (iii) Lift Irrigation	0.71	0.71	0.71	0.71	0.71
HT-3b Irrigation & Agricultural Farms	1.02	1.02	1.02	1.02	1.02
HT-4 Residential Apartments	1.65	1.65	1.65	1.65	1.65
HT-5 Temporary	3.54	3.54	3.54	3.54	3.54
Madhya Pradesh	2022-23				
Category	MPMaKVCL		MPPaKVCL		MPPoKVCL
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

Cross Subsidy Surcharge

(Figures Rs./kWh)

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	2.40	2.40	2.40
HV- 8: E-Vehicle/ E-Rickshaws Charging Stations	1.30	1.30	1.30
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		
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)	1.70		
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	1.90		

Cross Subsidy Surcharge

(Figures Rs./kWh)

EHT Industrial	1.47			
HT Ferro Alloys Industrial	1.09			
EHT Ferro Alloys Industrial	1.00			
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
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	
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	
HT-VI Townships& Residential Colonies	1.97		1.88	

Cross Subsidy Surcharge

(Figures Rs./kWh)

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	1.40			
HT-VI Townships & Residential Colonies	1.63	--			
HT-III Airports, Bus & Rly Stations	--	1.62			
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
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				

Cross Subsidy Surcharge

(Figures Rs./kWh)

Category	UPCL
HT Industrial	0.54
Non-Domestic	0.94
Himachal Pradesh	2022-23
Category	HPSEBL
Large Industrial Power Supply EHT Consumers	0.43
HT 2 - Consumers	0.31
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
Kerala	2022-23
Category	KSEBL
EHT- I	1.23
EHT- II	1.20
EHT-III	1.25
EHT-G (A)	1.23
EHT-G (B)	1.67
Railways	1.26
KMRL	1.21
HT I(A) – Industry	1.40
HT I(B) – Industry	1.63
HT II – A	1.47
HT II – B	1.71
HT III – A	1.19
HT III – B	0.62
HT IV - Commercial (A)	1.89
HT IV - Commercial (B)	1.95
HT V	1.72
Punjab	2022-23

Cross Subsidy Surcharge

(Figures Rs./kWh)

Category	PSPCL
Large Supply	0.66
Domestic Supply	0.00
Non-Residential Supply	1.30
Bulk Supply	1.30
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
Tripura	2020-21
Category	TSECL
Industrial	
Up to 5HP	0.62
Up to 5HP (E-U/5)	1.11
5-20 HP	1.73
20-100 HP	1.95
100 HP	1.84
Bulk Supply	1.52
Tea Coffee Rubber	1.54
Goa	2022-23
Category	Electricity Department, Goa (EDG)
HT Level/ Extra High Tension (EHT)	1.67

Cross Subsidy Surcharge

(Figures Rs./kWh)

Puducherry	2022-23
Category	Puducherry Electricity Department (PED)
High Tension (HT) Level	2.13
Extra High Tension (EHT) Level	1.46
Chandigarh	2021-22
Category	Chandigarh Electricity Department (CED)
HT Level/ Extra High Tension (EHT)	1.42
Dadra & Nagar Haveli	2022-23
Category	DNHPDCL
11kV level	0.60
66kV level	0.35
220kV level	0.52
Daman & Diu	2022-23
Category	DDED
HT & EHT Level	0.59

Notes:

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

Remarks:

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

Cross Subsidy Surcharge

(Figures Rs./kWh)

State	Category	Cross Subsidy Surcharge	
		Minimum	Maximum
Andhra Pradesh	LT	--	
	HT	0.21	3.18
	EHT	0.06	2.50
Assam	LT	--	
	HT	--	1.52
	EHT	--	
Bihar	LT	--	
	HT	1.35	1.96
	EHT	1.82	
Chhattisgarh	LT	--	
	HT	0.58	
	EHT	0.88	
Delhi	LT	0.03	2.27
	HT	0.54	2.27
	EHT	0.79	2.27
Gujarat	LT	--	
	HT	0.67	1.50
	EHT	--	
Haryana	LT	0.96	
	HT	1.00	1.28
	EHT	0.86	
Jharkhand	LT	1.41	
	HT	1.41	
	EHT	1.41	
Karnataka	LT		
	HT		
	EHT		
Madhya Pradesh	LT	--	
	HT	1.30	2.40
	EHT	1.02	
Maharashtra	LT	--	
	HT	0.07	2.81
	EHT	0.75	2.88
Meghalaya	LT	--	
	HT	1.09	1.90
	EHT	1.00	1.47
Odisha	LT	--	
	HT	0.53	1.27
	EHT	1.23	2.12
Rajasthan	LT	1.92	2.22
	HT	1.86	2.15
	EHT	1.84	2.13
Telangana	LT	0.64	3.34

Cross Subsidy Surcharge

(Figures Rs./kWh)

State	Category	Cross Subsidy Surcharge	
		Minimum	Maximum
Uttar Pradesh	HT	1.24	2.28
	EHT	1.38	4.10
	LT	0.93	1.96
	HT	0.82	2.02
	EHT	1.77	2.01
Uttarakhand	LT	--	
	HT	0.54	
	EHT	--	
Himachal Pradesh	LT	--	
	HT	0.21	0.31
	EHT	0.43	0.47
Kerala	LT	--	
	HT	0.62	1.95
	EHT	1.20	1.67
Punjab	LT	--	
	HT	0.66	
	EHT	0.66	
Tamil Nadu	LT	--	
	HT	1.27	2.26
	EHT	--	
Tripura	LT	--	
	HT	0.62	1.95
	EHT	--	
Goa	LT	--	
	HT	1.67	
	EHT	1.67	
Puducherry	LT	--	
	HT	2.13	
	EHT	1.46	
Chandigarh	LT	--	
	HT	1.42	
	EHT	1.42	
Dadra & Nagar Haveli	LT	0.60	
	HT	0.35	
	EHT	0.52	
Daman & Diu	LT	--	
	HT	0.59	
	EHT	0.59	

Additional Surcharge

(Figures Rs./kWh)

	Applicable Period	Additional Surcharge
DISCOMS		
Andhra Pradesh	2022-23	N/A
APEPDCL	2022-23	N/A
APSPDCL	2022-23	N/A
APCPDCL	2022-23	N/A
Assam	2022-23	N/A
APDCL	2022-23	N/A
Bihar	2022-23	2.10
NBPDCL	2022-23	2.10
SBPDCL	2022-23	2.10
Chhattisgarh	2021-22	N/A
CSPDCL	2021-22	N/A
Delhi	2021-22	1.29-1.76 (Oct-Apr), 0.64-0.88 (May-Sep)
BRPL	2021-22	1.46 (Oct-Apr), 0.73 (May-Sep)
BYPL	2021-22	1.29 (Oct-Apr), 0.64 (May-Sep)
TPDDL	2021-22	1.76 (Oct-Apr), 0.88 (May-Sep)
Gujarat^c	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
Jharkhand	2020-21	0.00
JBVNL	2020-21	0.00
Karnataka	2021-22	1.06-3.12
BESCOM	2021-22	1.06
CESCOM	2021-22	2.98
GESCOM	2021-22	2.38

Additional Surcharge

(Figures Rs./kWh)

	Applicable Period	Additional Surcharge
HESCOM	2021-22	2.82
MESCOM	2021-22	3.12
Madhya Pradesh	2022-23	1.21
MPMaKVCL	2022-23	1.21
MPPaKVCL	2022-23	1.21
MPPoKVCL	2022-23	1.21
Maharashtra	2022-23	1.27
MSEDCL	2022-23	1.27
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
Telangana^c	2022-23	1.15
TSNPDCL	2022-23	1.15
TSSPDCL	2022-23	1.15
Uttar Pradesh	2021-22	N/A
DVVNL	2021-22	N/A
KESCO	2021-22	N/A
MVVNL	2021-22	N/A
PaVVNL	2021-22	N/A
PuVVNL	2021-22	N/A
Uttarakhand^c	2022-23	1.07
UPCL	2022-23	1.07

Additional Surcharge

(Figures Rs./kWh)

	Applicable Period	Additional Surcharge
GEDCO/Integrated Utilities		
Himachal Pradesh	2022-23	0.75
HPSEBL	2022-23	0.75
Kerala	2022-23	0.00
KSEBL	2022-23	0.00
Manipur	2022-23	N/A
MSPDCL	2022-23	N/A
Punjab	2022-23	1.22
PSPCL	2022-23	1.22
Tamil Nadu	2017-18	0.00
TANGEDCO	2017-18	0.00
Tripura	2020-21	N/A
TSECL	2020-21	N/A
West Bengal	2021-22	N/A
WBSEDCL	2021-22	N/A
Power Departments		
Arunachal Pradesh	2018-19	N/A
Arunachal PD	2018-19	N/A
Goa	2022-23	1.01
Goa PD	2022-23	1.01
J&K and Ladakh	2016-17	N/A
JKPDD	2016-17	N/A
Mizoram	2022-23	N/A
Mizoram PD	2022-23	N/A
Nagaland	2020-21	N/A
Nagaland PD	2020-21	N/A
Puducherry	2022-23	1.58
Puducherry PD	2022-23	1.58
Sikkim	2022-23	N/A
Sikkim PD	2022-23	N/A

Additional Surcharge

(Figures Rs./kWh)

	Applicable Period	Additional Surcharge
Union Territories		
Andaman & Nicobar	2021-22	N/A
ED Andaman & Nicobar	2021-22	N/A
Chandigarh	2021-22	1.20
Chandigarh ED	2021-22	1.20
Dadra & Nagar Haveli	2022-23	1.42
DNHPDCL	2022-23	1.42
Daman & Diu	2022-23	1.63
Daman & Diu ED	2022-23	1.63
Lakshadweep	2022-23	N/A
Lakshadweep ED	2022-23	N/A

Notes:

- A. For the state of Andhra Pradesh, regulatory commission has granted license to Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL), to undertake distribution of electricity in Krishna, Guntur and Prakasam districts of Andhra Pradesh state for 25 years with effect from 1st April 2020.
- B. 'N/A' denotes that the value of Additional Surcharge is not available in the latest tariff order.
- C. For Gujarat, Punjab, Telangana and Uttarakhand, the Additional Surcharge shall be applicable from 01.04.2022 till 30.09.2022



SECTION 8

CUMULATIVE REVENUE GAP/SURPLUS



Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
Andhra Pradesh	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
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) - Revenue Gap (ARR 2023): 6.69 Cr - Cumulative Revenue Gap (effective): 6.69 Cr
Chhattisgarh	(302)	2019-20	2021-22	- Revenue Surplus (ARR 2021) : 1244.17 Cr - Revenue Gap (ARR 2022) including True Up 2020 : 941.89 Cr - Total Revenue Surplus: 302.28 Cr

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
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
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
Jharkhand	196	2018-19	2020-21	1. Cumulative Revenue Gap (2021 including True Up 2019) : 196.06 Cr
Karnataka	0	2019-20	2021-22	1. Revenue Gap (ARR 2022 including True Up 2020) : 0 Cr 2. Revenue Gap (ARR 2021 including True Up 2019) : 0 Cr 3. Total Revenue Gap : Nil As a practice, revenue gap approved in any year (post-tariff subsidy) is bridged through tariff hike.

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
Madhya Pradesh	(0.71)	2020-21	2022-23	- Revenue Gap (True Up 2020): 2030.92 Cr. The same is included in ARR of 2023 - Revenue Gap (True Up 2020): 225.75 Cr. The same is included in ARR of 2023 - Cumulative Revenue Surplus : 0.71 Cr
Maharashtra	4,580	2018-19	2022-23	- Revenue Gap identified at the beginning of 2020-21 : 12043 Cr - Carrying cost for the period up to 2020-21 to 2023-25: 4628 Cr - Revenue Gap (ARR 2020-21) : 3256 Cr - Revenue Gap (ARR 2021-22) : 1332 Cr - 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.
Meghalaya	(9.85)	2019-20	2022-23	- Revenue Surplus (True Up 2018-19) : 15.88 Cr - Revenue Gap (True Up 2019-20) : 179.43 Cr - Revenue Gap (True Up 2020-21) : 120.36 Cr - Revenue Surplus (ARR 2021-22) : 47.39 Cr - Revenue Surplus (ARR 2021-22) : 82.82 Cr - Total Revenue Surplus : 9.85 Cr

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
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 11. Cumulative Revenue Gap (till FY23) : 1269.35 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
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
Uttar Pradesh	(5590)	2019-20	2021-22	1. Cumulative Revenue Surplus till 2022 : 5589.75 Cr

Cumulative Revenue Gap/Surplus

DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
Uttarakhand	5.39	2020--21	2022-23	1. Revenue Gap (includes True Up 2021 and ARR 2023) : 5.39 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
Kerala	4551	2017-18	2021-22	1. Revenue Gap till 2017 : 5693.25 Cr 2. Revenue Gap (2018 True Up) : 84.13 Cr 3. Approved Revenue Gaps (MYT 2019-22) : 2776.05 Cr 4. Amortization of accumulated revenue gap (MYT 2019-22) : (3100) Cr 5. Tariff Revision in 2019-20 : (902) Cr 6. Balance Revenue Gap (2021-22) : 4551.43 Cr
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.
Punjab	88.05	2020-21	2022-23	1. Cumulative Revenue Gap till 2022-23 : 88.05 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

Cumulative Revenue Gap/Surplus

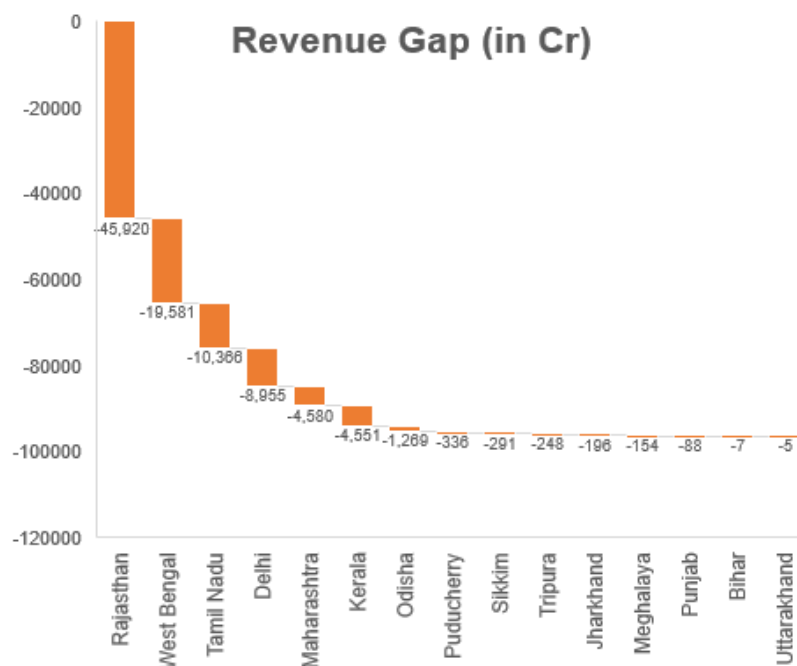
DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
Tripura	248	2016-17	2020-21	1. Cumulative Revenue Gap (till 2021) : 247.55 Cr
West Bengal	19,581	2012-13	2021-22	1. Regulatory assets (till 2021 - As per audited accounts) : 19,580.57 Cr
Arunachal Pradesh	N/A	2016-17	2018-19	1. Revenue Gap (ARR 2019) : 379.66 Cr 2. 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. 3. The cumulative revenue gap could not be estimated in the absence of a cumulative true up of previous years.
Goa	0	2016-17	2022-23	1. Revenue Gap (Till 2023) : Nil 2. The revenue gap approved each year by the Commission is met through Government Budgetary Support.
Mizoram	0	2020-21	2022-23	1. Revenue Gap (Till 2023) : Nil 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.
Puducherry	336.16	2020-21	2022-23	1. Cumulative Revenue Gap (till 2023) : 336.16 Cr

Cumulative Revenue Gap/Surplus

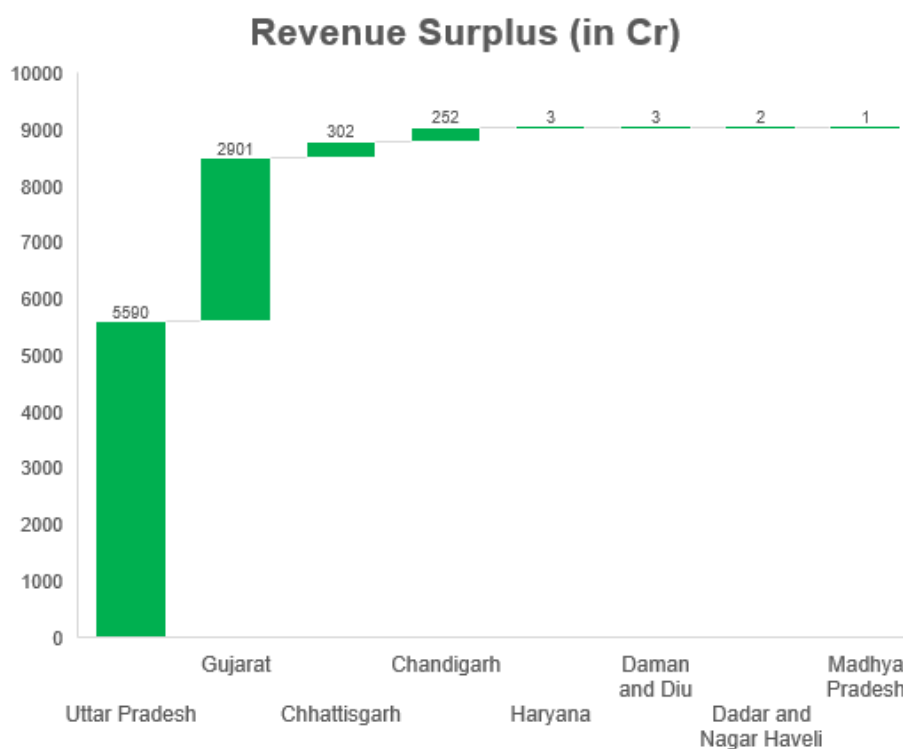
DISCOMS	Cumulative Revenue Gap (+) / Surplus (-) in Rs Crore	Latest True Up	Latest ARR	Remarks
Sikkim	291.43	2020-21	2022-23	- Revenue Gap (True Up 2020-Prov.) : 165.13 Cr - Revenue Gap (True Up 2021-Prov) : 17.74 Cr - Revenue Gap (APR 2022) : 18.40 Cr - Revenue Gap (ARR 2023) : 90.06 Cr - Total Revenue Gap : 291.43 Cr
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.
Chandigarh	(252)	2019-20	2021-22	Cumulative Revenue Surplus (till 2022) : 251.91 Cr
Dadra and Nagar Haveli	(1.86)	2020-21	2022-23	Cumulative Revenue Surplus (till 2023) : 1.86 Cr
Daman and Diu	(2.69)	2020-21	2022-23	Cumulative Revenue Gap (till 2023) : (2.69) Cr (Regulatory Surcharge and revision in retail tariff for 2022-23)
Lakshadweep	0	2018-19	2022-23	- Cumulative Revenue Gap : Nil - 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.

Cumulative Revenue Gap/Surplus

Summary of findings



Total Revenue Gap for (09) States & UTs that have issued orders for 2022-23 : INR 52,650 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, 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

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	2021-22	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
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)
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
Jharkhand	2020-21	Applicability (Yes/No)	No	No	No	No	No	Yes HT Institutional	Yes Industrial HTS Consumer	No
Karnataka	2021-22	Applicability (Yes/No)	No	No	Yes 1. LT-5 (a) 2. LT-5 (b)	No	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)

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
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
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

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
Rajasthan	2021-22	Applicability (Yes/No)	No	No	No	Yes (EV/LT8)	No	No	Yes (HT-5)	Yes (EV/HT6)
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)
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
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

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
Kerala	2020-21	Applicability (Yes/No)	Yes HT-V and LT1	No	Yes LT IV	No	Yes HT III Agricultural	Yes HT IV Commercial	Yes 1. HT I Industrial 2. HT II General	Yes All EHT Consumer & HT (except HT-V Domestic consumer)
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
Tamil Nadu	2017-18	Applicability (Yes/No)	No	No	No	No	No	No	Yes HT IA Industrial	No
Tripura	2020-21	Applicability (Yes/No)	No	No	Yes Industrial	Yes PWW _B	Yes Irrigation	Yes Tea/Coffee/Rub ber Gardens	Yes Industrial	Yes Bulk Supply having total connected load 25 KVA or above
West Bengal	2022-23	Applicability (Yes/No)	No	Yes 1. Commercial Rural & Urban, 2. Commercial Plantation and short-term supply for commercial	Yes 1. Cottage Industry/Artisa ns/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	Yes 1. Irrigation Pumping for Agriculture 2. Short-term Supply (for Irrigation & commercial	Yes Commercial consumer 50 kVA & above	Yes 1. Industry (Rural & Urban) 2. Industrial consumer 50 kVA & above 3. Industries 11kv & 33kv	Yes 1. Emergency Supply 2. Construction Power Supply 3. Common Service of Industrial estate

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
				plantations		schools 4. Private hospitals	plantation) 3. Community Irrigation & commercial plantation		4. Industries 220 kV & 400 kV	
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
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 PII _B (33KV)	No
Chandigarh	2021-22	Applicability (Yes/No)	Yes HT Domestic (Optional)	No	No	No	No	Yes HT Commercial (Optional)	Yes LIS _B	Yes Bulk Supply
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

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
Puducherry	2022-23	Applicability (Yes/No)	No	No	No	No	No	No	Yes HT/EHT Industrial	No

Notes:

- A. 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.
- B. Following Abbreviations denote:
 PWW: Public Water Works | STP: Sewage Treatment Plant | EV: Electric Vehicles | GEI: Government Educational Institutes | 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
DISCOMS				
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%
Assam	2022-23	193.1	14.00%	16.00%
APDCL	2022-23	193.1	14.00%	16.00%
Bihar	2022-23	750.60	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%
Chhattisgarh	2021-22	327	16.00%	16.00%
CSPDCL	2021-22	327	16.00%	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%
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%
DHBVNL	2022-23	236.7	10.00%	14.00%
UHBVNL	2022-23	250.3	10.00%	14.00%
Jharkhand	2020-21	322	15.50%	15.50%
JBVNL	2020-21	322	15.50%	15.50%
Karnataka	2021-22		0.00%-15.50%	15.50%
BESCOM	2021-22	285	15.50%	15.50%

Return on Equity (Distribution Utilities)

(Figures in %)

	Year	Approved RoE (in Rs. Cr)	Approved rate of post-tax RoE	Rate of post-tax RoE as per tariff regulations
CESCOM	2021-22	0	0.00%	15.50%
GESCOM	2021-22	0	0.00%	15.50%
HESCOM	2021-22	0	0.00%	15.50%
MESCOM	2021-22	152	15.50%	15.50%
Madhya Pradesh	2022-23	821.1	14%	14%
MPMaKVCL	2022-23	331.7	14%	14%
MPPaKVCL	2022-23	183.2	14%	14%
MPPoKVCL	2022-23	306.2	14%	14%
Maharashtra	2021-22	2,195	Supply : 18.78% Wire : 16.96%	Supply : 18.78% Wire : 16.96%
MSEDCL	2021-22	Supply : 240 Wire : 1,955	Supply : 18.78% Wire : 16.96%	Supply : 18.78% Wire : 16.96%
Meghalaya	2022-23	0.0	0.00%	
MePDCL	2022-23	0.0	0.00%	
Odisha	2022-23	168.0	16.00%	16.00%
TPCODL	2022-23	48.0	16.00%	16.00%
TPNODL	2022-23	40.0	16.00%	16.00%
TPSODL	2022-23	32.0	16.00%	16.00%
TPWODL	2022-23	48.0	16.00%	16.00%
Rajasthan	2021-22	0.0	0.00%	16.00%
AVVNL	2021-22	0.0	0.00%	16.00%
JdVVNL	2021-22	0.0	0.00%	16.00%
JVVNL	2021-22	0.0	0.00%	16.00%
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%
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%

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
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%
GEDCO/Integrated Utilities				
Himachal Pradesh	2022-23	62.7	16.00%	16.00%
HPSEBL	2022-23	62.7	16.00%	16.00%
Kerala	2021-22	253.5	14.00%	14.00%
KSEBL	2021-22	253.5	14.00%	14.00%
Manipur	2022-23	1.6	15.50%	15.50%
MSPDCL	2022-23	1.6	15.50%	15.50%
Punjab	2022-23	529.8 (Wire) 58.8 (Supply)	16.00%	16.00%
PSPCL	2022-23	529.8 (Wire) 58.8 (Supply)	16.00%	16.00%
Tamil Nadu	2017-18	NA	0.00%	14.00%
TANGEDCO	2017-18	NA	0.00%	14.00%
Tripura	2020-21	17.41	15.50%	15.50%
TSECL	2020-21	17.41	15.50%	15.50%
West Bengal	2021-22	322.1	16.50%	16.50%
WBSEDCL	2021-22	322.1	16.50%	16.50%
Power Departments				
Arunachal Pradesh	2018-19	NA	0.00% ¹⁰	16.00%
Arunachal PD	2018-19	NA	0.00%	16.00%
Goa	2022-23	64.4	15.5% - Wires 16% - Retail supply	15.5% - Wires 16% - Retail supply
Goa PD	2022-23	64.4	15.5% - Wires 16% - Retail supply	15.5% - Wires 16% - Retail supply
J&K and Ladakh	2020-21	NA	0.00%	15.50%

Return on Equity (Distribution Utilities)

(Figures in %)

	Year	Approved RoE (in Rs. Cr)	Approved rate of post-tax RoE	Rate of post-tax RoE as per tariff regulations
JKPDD	2020-21	NA	0.00%	15.50%
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%
Puducherry	2022-23	46.3	Wires : 15.5% Retail supply : 16%	Wires : 15.5% Retail supply : 16%
Puducherry PD	2022-23	46.3	Wires : 15.5% Retail supply : 16%	Wires : 15.5% Retail supply : 16%
Sikkim	2022-23	0	0.00%	14.00%
Sikkim PD	2022-23	0	0.00%	14.00%
Union Territories				
Andaman & Nicobar	2021-22	11	16.00%	16.00%
EDAN	2021-22	11	16.00%	16.00%
Chandigarh	2021-22	22	15.50%-16.00%	15.50%-16.00%
CED	2021-22	Supply : 2.3 Wire : 19.8	Supply : 16.00%, Wire : 15.50%	Supply : 16.00%, Wire : 15.50%
Dadra & Nagar Haveli	2022-23	24.6	Wires : 15.5% Retail supply : 16%	Wires : 15.5% Retail supply : 16%
DNHPDCL	2022-23	24.6	Wires : 15.5% Retail supply : 16%	Wires : 15.5% Retail supply : 16%
Daman & Diu	2022-23	12.0	Wires : 15.5% Retail supply : 16%	Wires : 15.5% Retail supply : 16%
DDED	2022-23	12.0	Wires : 15.5% Retail supply : 16%	Wires : 15.5% Retail supply : 16%
Lakshadweep	2022-23	10.0	16.00%	16.00%
LED	2022-23	10.0	16.00%	16.00%

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
GENCOs				
Andhra Pradesh	2022-23	553.2	15.50%	15.50%
APGENCO	2022-23	553.2	15.50%	15.50%
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%
Chhattisgarh	2021-22	457	15.50%	15.50%
CSPGCL	2021-22	457	15.50%	15.50%
Delhi	2021-22	53	8.72%	NA
IPGCL	2021-22	15	8.43%	NA
PPCL	2021-22	38	6.33%	NA
Gujarat	2022-23	1078	13%-14%	13%-14%
GSECL	2022-23	1078	13%-14%	13%-14%
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%
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%
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%
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
Odisha	2022-23	156	16.00%	16.00%
OHPC	2022-23	84	15.5% & 16%	15.5% & 16%
OPGCL	2022-23	72	16.00%	16.00%
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	2021-22	0	0.0%	15.00%
RRVUNL	2021-22	0	0.0%	15.00%
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%

Return on Equity (Generation Utilities)

(Figures in %)

	Year	Approved RoE (in Rs. Cr)	Approved rate of post-tax RoE	Rate of post-tax RoE as per tariff regulations
TSGENCO	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% &15.5%	16.5% &15.5%
UJVNL	2022-23	63.24	16.5% &15.5%	16.5% &15.5%
West Bengal	2021-22	912	0.00% & 15.50%	15.50%
WBPDC	2022-23	864.5	15.50%	15.50%
WBSEDCL	2019-20	47.2	15.50%	15.50%
Power Departments				
Arunachal Pradesh	2019-20	23	14.00%	17.56%
Arunachal PD	2019-20	23	14.00%	17.56%
Goa	2020-21	NA	NA	15.50%
Goa PD	2020-21	NA	NA	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%
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%
Puducherry	2020-21	11	15.50%	15.50%
PPCL	2020-21	11	15.50%	15.50%
Sikkim	2020-21	0	0.00%	14.00%
Sikkim PD	2020-21	0	0.00%	14.00%
Union Territories				
Andaman & Nicobar	2020-21	NA	NA	15.50%
ED Andaman & Nicobar	2020-21	NA	NA	15.50%
Chandigarh	2020-21	NA	NA	15.50%
Chandigarh ED	2020-21	NA	NA	15.50%
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%
Lakshadweep	2020-21	NA	NA	15.50%
Lakshadweep ED	2020-21	NA	NA	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
TRANSCO				
Andhra Pradesh	2022-23	1349	11.23%	14.00%
APTRANSCO	2022-23	1349	11.23%	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%	14 & 15.50%
BSPTCL	2022-23	278.2	10%	14 & 15.50%
Chhattisgarh	2021-22	219	15.50%	15.50%
CSPTCL	2021-22	219	15.50%	15.50%
Delhi	2021-22	484	NA	14.00%
DTL	2021-22	484	NA	14.00%
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%
Jharkhand	2020-21	92	15.50%	15.50%
JUSNL	2020-21	92	15.50%	15.50%
Karnataka	2021-22	843	15.50%	15.50%
KPTCL	2021-22	843	15.50%	15.50%
Kerala	2021-22	120	14.00%	14.00%
KSEBL	2021-22	120	14.00%	14.00%
Madhya Pradesh	2022-23	644.8	15.50%	15.50%
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%
Odisha	2022-23	141.67	15.50%	15.50%
OPTCL	2022-23	141.67	15.50%	15.50%
Punjab	2023-23	112.6	15.50%	15.50%
PSTCL	2023-23	112.6	15.50%	15.50%
Rajasthan	2021-22	0	0.0%	14.00%
RRVPNL	2021-22	0	0.0%	14.00%
Tamil Nadu	2018-19	445	14.00%	14.00%
TANTRANSCO	2018-19	445	14.00%	14.00%

Return on Equity (Transmission Utilities)

(Figures in %)

	Year	Approved RoE (in Rs. Cr)	Approved rate of post-tax RoE	Rate of post-tax RoE as per tariff regulations
Telangana	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	2022-23	581.5	15.50%	15.50%
WBSETCL	2022-23	581.5	15.50%	15.50%
Power Departments				
Arunachal Pradesh	2018-19	NA	NA	14.00%
Arunachal PD	2018-19	NA	NA	14.00%
Goa	2022-23	NA	NA	15.50%
Goa PD	2022-23	NA	NA	15.50%
J&K and Ladakh	2016-17	NA	NA	NA
JKPDD-T	2016-17	NA	NA	NA
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%
Puducherry	2020-21	NA	NA	15.50%
Puducherry PD	2020-21	NA	NA	15.50%
Sikkim	2020-21	NA	NA	14.00%
Sikkim PD	2020-21	NA	NA	14.00%
Union Territories				
Andaman & Nicobar	2020-21	NA	NA	15.50%
ED Andaman & Nicobar	2020-21	NA	NA	15.50%
Chandigarh	2020-21	NA	NA	15.50%
Chandigarh ED	2020-21	NA	NA	15.50%
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%
Lakshadweep	2022-23	NA	NA	15.50%
Lakshadweep ED	2022-23	NA	NA	15.50%



SECTION 11

TRANSMISSION CHARGES



Transmission Charges

	Applicable Year	Long & Medium Term	Unit	Short Term	Unit
TRANSCO					
Andhra Pradesh¹	2022-23	173790.31	Rs/MW/month	154544.00	Rs/MW/month
APTRANSCO	2022-23	173790.31	Rs/MW/month	154544.00	Rs/MW/month
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	2021-22	81.64	Rs. Cr./month	0.39	Rs/kWh
CSPTCL	2021-22	81.64	Rs. Cr./month	0.39	Rs/kWh
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	129343.00	Rs/MW/month	0.36	Rs/kWh
Haryana	2020-21	156.14	Rs. Cr./month	0.36	Rs/kWh
HVPNL	2020-21	156.14	Rs. Cr./month	0.36	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
Jharkhand	2020-21	66.25	Rs. Cr./month	0.34	Rs/kWh
JUSNL	2020-21	66.25	Rs. Cr./month	0.34	Rs/kWh
Karnataka	2021-22	151518.00	Rs/MW/month	1,245.35 ^{2a}	Rs. Cr./month
				622.28 ^{2b}	
				311.34 ^{2c}	
KPTCL	2021-22	151518.00	Rs/MW/month	1,245.35 ^{2a}	Rs. Cr./month
				622.28 ^{2b}	
				311.34 ^{2c}	
Kerala	2021-22	0.47	Rs/kWh	-	-
KSEBL	2021-22	0.47	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

Transmission Charges

	Applicable Year	Long Term And Medium Term	Unit	Short Term	Unit
MePTCL	2022-23	250990.44	Rs/MW/month	0.47	Rs/kWh
Odisha	2021-22	0.28	Rs/kWh	-	-
OPTCL	2021-22	0.28	Rs/kWh	-	-
Punjab¹	2022-23	99878.94	Rs/MW/month	-	Rs/kWh
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	-	-
Power Departments					
Arunachal Pradesh	2018-19	71253.00	Rs/MW/month	-	-
Arunachal PD	2018-19	71253.00	Rs/MW/month	0.20	Rs/kWh
J&K and Ladakh	2015-16	33640.00	-	-	-
JKPDD-T	2015-16	33640.00	-	-	-
Union Territories					
Dadra & Nagar Haveli	2022-23	24935.60	Rs/MW/month	24935.60	Rs/MW/month
DNHPDCL	2022-23	24935.60	Rs/MW/month	24935.60	Rs/MW/month

Remarks:

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



SECTION 12

NUMBER OF PENDING CASES



Number of Pending Cases

	Petitions Pending			Tariff Petitions			True-up Petitions			Dispute Related			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	127	118	1744	-	-	-	-	-	-	-	-	-	-	-	-
CERC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SERC/JERC															
Andhra Pradesh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arunachal Pradesh	0	0	4	0	0	4	0	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	20	10	24	4	4	9	0	1	7	2	0	7	14	5	1
Delhi	29	12	52	6	0	0	6	0	0	1	0	13	16	12	39
Gujarat	35	8	55	14	0	0	14	0	0	7	8	55	0	0	0
Haryana	34	14	28	1	3	4	0	0	0	16	4	10	17	7	14
Himachal Pradesh	2	2	4	2	2	2	0	0	1	0	0	1	0	0	0
Jharkhand	0	2	34	0	1	11	0	1	7	0	0	12	0	0	4
Goa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J&K and Ladakh	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
Karnataka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madhya Pradesh	19	7	2	4	0	0	6	1	0	3	6	1	6	0	1
Maharashtra	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Odisha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Punjab	12	10	22	2	1	1	2	1	0	3	1	1	5	7	20

Number of Pending Cases

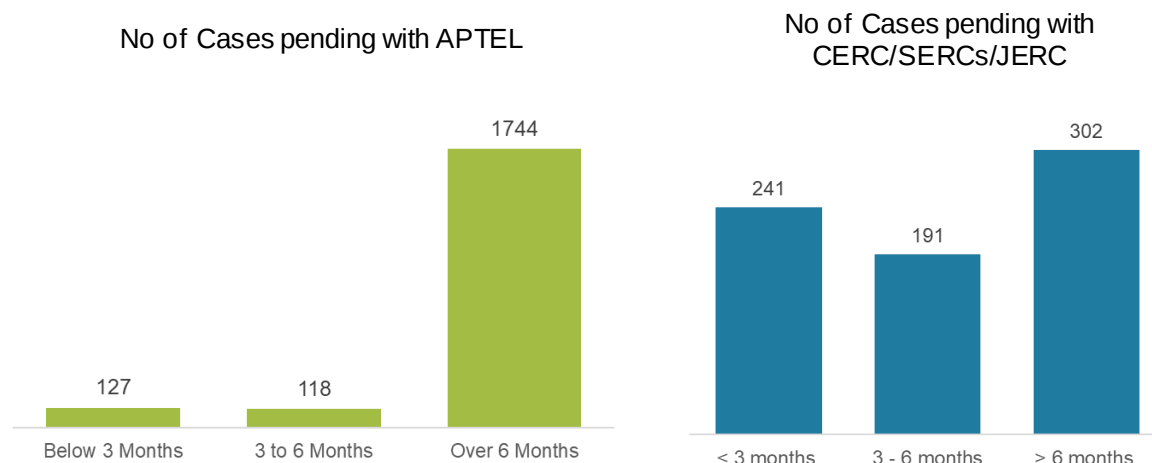
	Petitions Pending			Tariff Petitions			True-up Petitions			Dispute Related			Other cases		
Pending for (Months)→	<3	3-6	>6	<3	3-6	>6	<3	3-6	>6	<3	3-6	>6	<3	3-6	>6
Rajasthan	29	11	35	9	1	13	0	0	0	20	10	22	0	0	0
Sikkim	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tamil Nadu	15	95	12	0	0	1	0	0	0	5	25	4	10	70	7
Telangana	6	15	24	1	0	3	0	8	1	5	7	20	0	0	0
Tripura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Uttar Pradesh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Uttarakhand	23	0	0	23	0	0	0	0	0	0	0	0	0	0	0
West Bengal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:

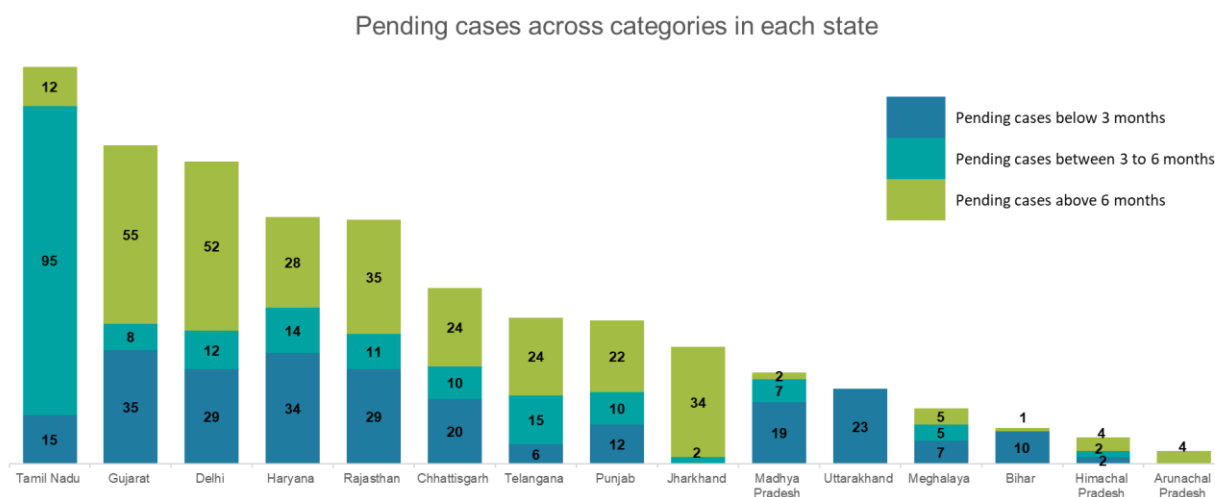
1. '-' denotes data not provided by the states.
2. CERC and Regulatory commission of 17 States/UTs namely Andhra Pradesh, Assam, Bihar, Chhattisgarh, Himachal Pradesh, Manipur, Mizoram, Kerala, Maharashtra, Nagaland, Odisha, Rajasthan, Sikkim, Telangana, Tripura, Uttar Pradesh, and West Bengal have not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

Number of Pending Cases

Summary of findings:



a) Total 2,723 Petitions are pending across APTEL and ERCs as on April 2022



a) Total 734 Petitions (Tariff, Dispute related and Others) are pending across all SERCs/JERC as on April 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
DISCOMS Alignment of DISCOM's Regulations/Standard of Performance (SOP)/Supply Code with above timelines										
Andhra Pradesh										
APEPDCL	●	●	● 7 Days	●	●	●	●	●	●	7
APSPDCL	●	●	● 7 Days	●	●	●	●	●	●	8
APCPDCL	●	●	● 7 Days	●	●	●	●	●	●	3
Assam										
APDCL	●	●	● Urban - 15 Days Rural - 30 Days	●	●	●	●	●	●	15
Bihar										

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	
NBPDCL	●	●	● 7 - 14 Days	●	●	●	●	●	●	2
SBPDCL	●	●	● 7 - 14 Days	●	●	●	●	●	●	3
Chhattisgarh										
CSPDCL	●	●	● 7 – 14 days – attributable to consumer	●	●	●	●	●	●	3
Delhi										
BRPL	●	●	● 15 Days	●	●	●	●	●	●	1
BYPL	●	●	● 15 Days	●	●	●	●	●	●	1
TPDDL	●	●	● 15 Days	●	●	●	●	Yes	●	1
Gujarat										
DGVCL	●	●	● Rural & Urban : 7 Days	●	●	●	●	●	●	3
MGVCL	●	●	●	●	●	●	●	●	●	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	
			Rural & Urban : 7 Days							
UGVCL	●	●	● Rural & Urban : 7 Days	●	●	●	●	●	●	4
PGVCL	●	●	● Rural & Urban : 7 Days	● 30 Days	●	●	●	●	●	3
Haryana										
DHBVNL	●	●	●	●	●	●	●	●	●	1
UHBVNL	●	●	●	●	●	●	●	●	●	1
Jharkhand										
JBVNL	●	●	●	● 30 Days	●	●	●	●	●	5
Karnataka										
BESCOM	●	●	●	●	●	●	●	●	●	6
CESCOM	●	●	●	●	●	●	●	●	●	-
GESCOM	●	●	●	●	●	●	●	●	●	1
HESCOM	●	●	●	●	●	●	●	●	●	7

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	
MESCOM	●	●	●	●	●	●	●	●	●	4
Madhya Pradesh										
MPMaKVCL	●	●	●	●	●	●	●	●	●	1
MPPaKVCL	●	●	●	●	●	●	●	●	●	2
MPPoKVCL	●	●	●	●	●	●	●	●	●	4
Maharashtra										
MSEDCL	●	●	● Subsequent billing	● 30 days	●	●	●	Yes	●	16
TPCL	●	●	● Subsequent billing	● 30 days	●	●	●	Yes	●	1
BEST	●	●	● Subsequent billing	● 30 days	●	●	●	Yes	●	1
Meghalaya										
MePDCL	●	●	●	●	●	●	●	●	●	1
Odisha										
TPCODL	●	●	●	●	●	●	●	●	●	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	
			30 days	10 days						
TPNODL	●	●	● 30 days	● 10 days	●	●	●	●	●	2
TPSODL	●	●	● 30 days	● 10 days	●	●	●	●	●	2
TPWODL	●	●	● 30 days	● 10 days	●	●	●	●	●	3
Rajasthan										
AVVNL	●	●	●	●	●	●	●	●	●	●
JdVVNL	●	●	●	●	●	●	●	●	●	●
JVVNL	●	●	●	●	●	●	●	●	●	●
Telangana										
TSNPDCCL	●	●	● Within 7 days	●	●	● Within 21 days	●	●	●	16
TSSPDCL	●	●	● Within 7 days	●	●	● Within 21 days	●	●	●	12
CESS	●	●	●	●	●	●	●	●	●	1

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	
			Within 7 days			Within 21 days				
Uttar Pradesh										
DVNL	●	●	● Within 15 days	● 30 Days	●	●	●	●	●	5
KESCO	●	●	● Within 15 days	● 30 Days	●	●	●	●	●	2
MVNL	●	●	● Within 15 days	● 30 Days	●	●	●	●	●	3
PaVNL	●	●	● Within 15 days	● 30 Days	●	●	●	●	●	3
PuVNL	●	●	● Within 15 days	● 30 Days	●	●	●	●	●	5
Uttarakhand										
UPCL	●	●	● Within 15 days	●	●	●	●	●	●	9
GEDCO/Integrated Utilities										
Himachal Pradesh										
HPSEBL	●	●	● Within 15 days – Rural Within 7 days - Urban	●	●	●	● 90-180 days from	●	●	1

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	
							approval letter			
Kerala										
KSEBL	●	●	● Within 24 hours of payment of charges by the consumer	●	●	●	●	●	●	3
Manipur										
MSPDCL	●	●	● At least 7 days	●	●	●	●	●	●	1
Punjab										
PSPCL	●	●	● Within 5 days	●	●	●	●	●	●	16
Tamil Nadu										
TANGEDCO	●	●	● Within 30 days	●	●	●	●	●	●	38
Tripura										
TSECL	●	●	● Within 3 to 15 days depending on the region	●	●	●	●	●	●	8
West Bengal										

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	
WBSEDCL	●	●	●	●	●	●	●	●	●	17
Power Departments										
Arunachal Pradesh										
Arunachal PD	●	●	● Up to 30 days in remote areas	●	●	●	●	●	●	8
Goa										
Goa PD	●	●	● 15 days	●	●	●	●	●	●	1
J&K and Ladakh										
JKPDD	●	●	● 15 days	●	●	●	●	●	●	0
JPDCCL	●	●	● 15 days	●	●	●	●	●	●	3
KPDCL	●	●	● 15 days	●	●	●	●	●	●	4
Mizoram										

Alignment of Electricity (Rights of Consumers) Rules 2020

Parameters	Release of Connection	Testing of Meters	Replacement of Meters	Issuance of no dues Certificates to applicants	Provision for payment of claims on deviation from SoPs	Assessing feasibility of rooftop solar installation	Connection of rooftop solar after installation	Are there regulations for ensuring predetermined demand charges for up to 150kW	Establishment / Presence of multi-tier Grievance Redressal Mechanism	
Mizoram PD	●	●	● At least 7 days	●	●	●	●	●	●	1
Nagaland										
Nagaland PD	●	●	● At least 7 days	●	●	●	●	●	●	0
Puducherry										
Puducherry PD	●	●	● 15 days	● 30 days	●	●	●	●	●	1
Sikkim										
Sikkim PD	●	●	● 7 days	●	●	●	●	●	●	1
Union Territories										
Andaman & Nicobar										
ED Andaman & Nicobar	●	●	● 15 days	● 30 days	●	●	●	●	●	3
Chandigarh										
Chandigarh ED	●	●	● 15 days	● 30 days	●	●	●	●	●	1
Dadra & Nagar Haveli										

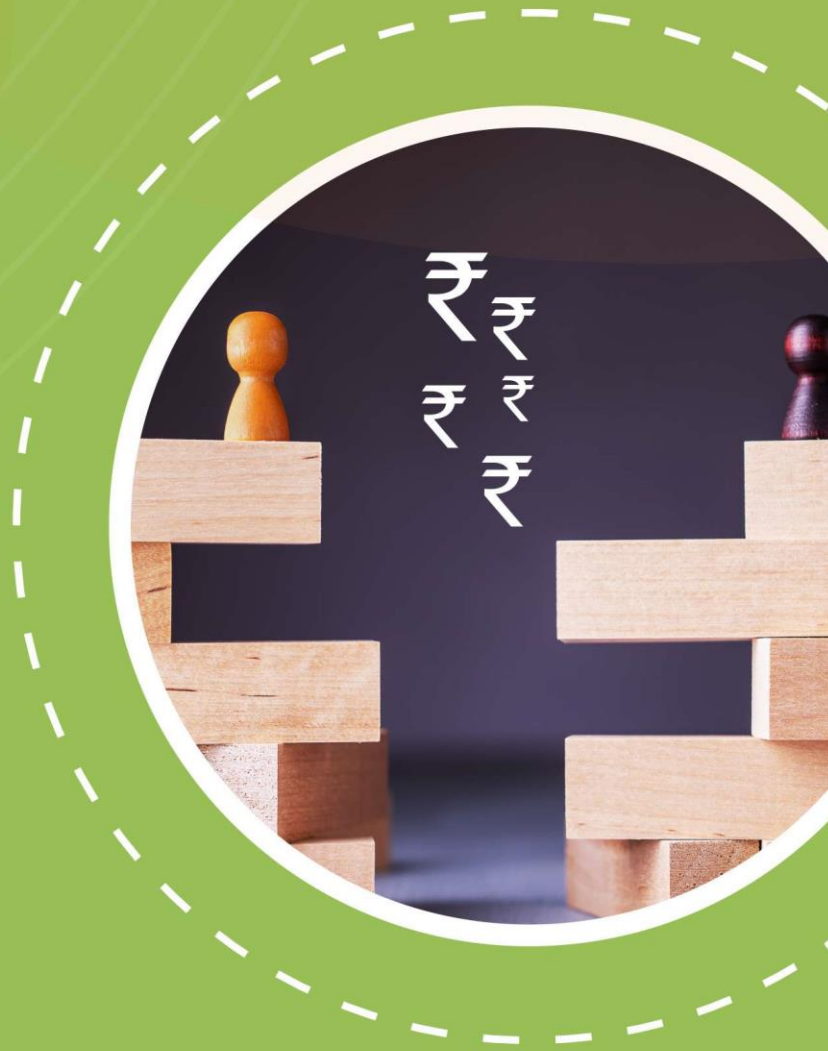
Alignment of Electricity (Rights of Consumers) Rules 2020

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	
DNHPDCL	●	●	● 15 days	● 30 days	●	●	●	●	●	1
Daman & Diu										
Daman & Diu ED	●	●	● 15 days	● 30 days	●	●	●	●	●	1
Lakshadweep										
Lakshadweep ED	-	-	-	-	-	-	-	-	-	

● Aligned to Electricity Rules	● Not aligned to electricity rules	● Regulation available at ERC; Data not specified
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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

Approved Power Procurement Cost of DISCOMs				
	Volume of Power approved	Cost of power procurement excluding Transmission charges	Average Power Procurement Cost per unit for 2022-23	Actual Average Power Procurement Cost per unit for 2020-21
	(MU)	(Rs Crores)	(Rs/kwh)	(Rs/kwh)
DISCOMS				
Andhra Pradesh*	72928.9	31388.0	4.31	4.43
APEPDCL	26970.8	11443.4	4.24	
APSPDCL	28868.5	12691.0	4.40	
APCPDCL	17089.6	7253.6	4.24	
Assam*	11747.0	6031.2	5.2	5.3
APDCL	11747.0	6031.2	5.2	5.3
Bihar*	36737.5	15758.5	4.29	4.3
NBPDCL	16899.2	7248.9	4.29	4.3
SBPDCL	19838.3	8509.6	4.29	4.3
Chhattisgarh[#]	30131.0	11326.3	3.8	5.1
CSPDCL	30131.0	11326.3	3.8	5.1
Delhiⁱ	30330.0	12967.2	4.3	6.2
BRPL	11813.0	5131.0	4.3	6.4
BYPL	8065.0	2852.0	3.5	5.2
NDMC	789.0	572.6	7.3	6.26
TPDDL	9663.0	4411.6	4.6	6.6
Gujarat*	102775.0	38698.0	3.82	5.7
GUVNL	102775.0	38698.0	3.82	5.7
Haryana*	63,553.0	23,849.7	3.75	3.78
DHBVNL	36,930.7	13,859.1	3.75	3.72
UHBVNL	26,622.4	9,990.6	3.75	3.89
Jharkhand[#]	11748.8	4542.6	3.9	6.6
JBVNL	11748.8	4542.6	3.9	6.6
Karnataka[#]	70852.5	31152.7	4.4	6.1
BESCOM	33081.3	15045.1	4.6	7.0
CESCOM	7866.4	3203.3	4.1	4.7
GESCOM	8877.2	3678.2	4.1	5.8
HESCOM	14532.6	6705.6	4.6	5.1
MESCOM	6495.0	2520.5	3.9	5.3
Madhya Pradesh*	85,696.2	29,883.6	3.49	3.75
MPMaKVCL	85696.18	29883.64	3.49	3.60
MPPaKVCL				4.03
MPPoKVCL				3.56
Maharashtra[#]	141940.0	60568.9	4.06	6.3
MSEDCL	141940.0	60568.9	4.06	6.3

Power Procurement Cost of DISCOMs

Meghalaya*	2985.9	1100.1	3.68	3.2
MePDCL	2985.9	1100.1	3.68	3.2
Odisha*	29500.0	9214.0	3.12	2.86
TPCODL	9790.0	2937.0	3.0	2.84
TPNODL	6020.0	1932.4	3.2	3.08
TPSODL	4390.0	996.5	2.3	2.11
TPWODL	9300.0	3348.0	3.6	3.03
Rajasthan[#]	83633.0	33089.0	4.0	6.1
AVVNL	23159.0	9175.0	4.0	6.0
JdVVNL	27768.0	11001.0	4.0	6.2
JVVNL	32706.0	12913.0	4.0	6.1
Telangana*	84221.8	35134.7	4.2	4.0
TSNPDCL	28922.7	10516.1	3.6	
TSSPDCL	55299.1	24618.6	4.5	
Uttar Pradesh[#]	107315.4	57966.8	5.4	6.4
DVVNL	22417.6	11103.6	5.0	5.8
KESCO	3720.1	2227.8	6.0	7.0
MVVNL	21240.4	11530.5	5.4	6.7
PaVVNL	33381.9	18703.8	5.6	6.4
PuVVNL	26555.4	14401.2	5.4	6.5
Uttarakhand*	15357.1	5692.9	3.7	3.71
UPCL	15357.1	5692.9	3.7	3.71
GEDCO/Integrated Utilities				
Himachal Pradesh*	11440.8	3020.1	2.6	2.13
HPSEBL	11440.8	3020.1	2.6	2.13
Kerala[#]	29106.5	8964.4	3.1	3.8
KSEBL	29106.5	8964.4	3.1	3.8
Manipur*	988.7	569.8	4.39	5.3
MSPDCL	988.7	569.8	4.39	5.3
Punjab*	52331.0	23258.0	4.4	4.21
PSPCL	52331.0	23258.0	4.4	4.21
Tamil Nadu[#]	105873.6	40020.8	3.8	5.4
TANGEDCO	105873.6	40020.8	3.8	5.4
Tripura[#]	2634.1	958.5	3.6	4.9
TSECL	2634.1	958.5	3.6	4.9
West Bengal[#]	51604.0	17322.0	3.36	3.51
WBSEDCL	51604.0	17322.0	3.36	3.51
Power Departments				
Arunachal Pradesh[#]	715.4	186.1	2.6	7.8
Arunachal PD	715.4	186.1	2.6	7.8
Goa*	4726.3	1613.3	3.41	2.7
Goa PD	4726.3	1613.3	3.41	2.7
J&K and Ladakh[#]	14870.0	3474.3	2.3	7.8

Power Procurement Cost of DISCOMs

JPDCL	14870.0	3474.3	2.3	7.8
Mizoram*	674.9	360.4	5.3	5.34
Mizoram PD	674.9	360.4	5.3	5.34
Nagaland*	927.3	390.4	4.2	4.62
Nagaland PD	927.3	390.4	4.2	4.62
Puducherry*	3257.1	1344.4	4.37	4.2
Puducherry PD	3257.1	1344.4	4.37	4.2
Sikkim*	1152.9	264.0	2.29	3.7
Sikkim PD	1152.9	264.0	2.29	3.7
Union Territories				
Andaman & Nicobar^{##}	356.4	620.2	17.4	21.8
ED Andaman & Nicobar	356.4	620.2	17.4	21.8
Chandigarh^{##}	1837.0	639.7	3.5	3.8
Chandigarh ED	1837.0	639.7	3.5	3.8
Dadra & Nagar Haveli*	7403.1	3448.4	3.95	4.4
DNHPDCL	7403.1	3448.4	3.95	4.4
Daman & Diu*	16.0	9.8	4.04	4.2
Daman & Diu ED	16.0	62.9	39.3	4.2
Lakshadweep*	128.9	57	22.62	17.1
Lakshadweep ED	128.9	57	22.62	17.1

Note

States denoted by (*) mark indicates that the respective state has issued tariff order for the period 2022-23

Wherever Tariff order for FY-23 is not available, the power purchase cost for latest available true up order is considered.

\$ Wherever True up order for FY-21 is not available, the power purchase cost for latest available true up order is considered.

Power Procurement Cost of DISCOMs

State-wise approved power procurement cost comparison for last 3 years					
State	Approved Power Procurement Cost per unit (Rs/ kWh)				
	2020-21	2021-22	%age Change w.r.t last year	2022-23	%age Change w.r.t last year
Andhra Pradesh	4.68	3.9	-16.7%	4.31	10.5%
Assam	4.16	4.1	-1.4%	5.2	26.8%
Bihar	4.19	4	-4.5%	4.29	7.3%
Chhattisgarh	3.41	3.42	0.3%	N/A	N/A
Delhi	4.3	4.3	0.0%	N/A	N/A
Gujarat	3.7	3.8	2.7%	3.82	0.5%
Haryana	3.96	3.8	-4.0%	3.75	-1.3%
Jharkhand	3.87	N/A	N/A	N/A	N/A
Karnataka	4.3	4.4	2.3%	N/A	N/A
Madhya Pradesh	3.59	3.49	-2.7%	3.49	-0.2%
Maharashtra	4.00	4.02	0.5%	4.06	1.0%
Meghalaya	2.86	2.93	2.4%	3.68	25.6%
Odisha	2.71	2.96	9.2%	3.12	5.4%
Rajasthan	4.21	4.14	-1.7%	N/A	N/A
Telangana	4	4.1	2.5%	4.2	2.4%
Uttar Pradesh	5.61	5.4	-3.7%	N/A	N/A
Uttarakhand	3.54	3.4	-4.0%	3.7	8.8%
Himachal Pradesh	2.46	2.59	5.3%	2.6	0.4%
Kerala	3.72	3.76	1.1%	N/A	N/A
Manipur	3.73	4.33	16.1%	4.39	1.4%
Punjab	4.14	4.2	1.4%	4.38	4.8%
Tamil Nadu	N/A	N/A	N/A	N/A	N/A
Tripura	3.64	N/A	N/A	N/A	N/A
West Bengal	3.51	3.41	-2.8%	3.36	-1.5%
Arunachal Pradesh	N/A	N/A	N/A	N/A	N/A
Goa	3.16	3.3	4.4%	3.41	3.3%

Power Procurement Cost of DISCOMs

State-wise approved power procurement cost comparison for last 3 years					
State	Approved Power Procurement Cost per unit (Rs/ kWh)				
	2020-21	2021-22	%age Change w.r.t last year	2022-23	%age Change w.r.t last year
J&K and Ladakh	N/A	N/A	N/A	N/A	N/A
Mizoram	4.24	4.4	3.8%	5.34	21.4%
Nagaland	4	4.09	2.3%	4.21	2.9%
Puducherry	4.12	4.05	-1.7%	4.37	7.9%
Sikkim	2.27	2.73	20.3%	2.29	-16.1%
Andaman & Nicobar	15.72	17.4	10.7%	N/A	N/A
Chandigarh	3.45	3.48	0.9%	N/A	N/A
Dadra & Nagar Haveli	4.05	3.8	-6.2%	3.95	3.9%
Daman & Diu	3.77	3.83	1.6%	4.04	5.5%
Lakshadweep	15.82	18.14	14.7%	22.62	24.7%

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
Assam	Not Applicable	--
Bihar	Not Applicable	Tariff order for FY20-21 for NBPDCCL & SBPDCL dated 20th March 2020
Chhattisgarh	Yes	As per telephonic conversation with the utility technical minimum regulation for CEA is followed in the state. On an average technical minimum threshold is 55%
Delhi	Not Applicable	--
Gujarat	Yes	Tariff order by Gujarat Electricity Regulatory commission for FY2022-23 dated 30 th March 2022
Haryana	Yes	Tariff order by Haryana Electricity Regulatory commission for FY2021-22 dated 18th Feb 2021
Jharkhand	Yes	Tariff order for FY20-21 for Jharkhand Bijli Vitran Nigam Limited (JBVNL) dated 01 Oct 2020
Karnataka	Yes	Twenty first annual report (19-20) of Karnataka Electricity Regulatory Commission
Madhya Pradesh	Yes	MP grid code 2019 issued vide order dated 12.06.2019
Maharashtra	Yes	MERC vide order dated 1st March 2020 in the matter related to a reduction in the Technical Minimum of Generating Units in Maharashtra as per Central Electricity Regulatory Commission norms have provided the norms related to a technical minimum for coal-based stations.
Meghalaya	Not Applicable	--
Odisha	Yes	As per telephonic conversation with the utility technical minimum threshold is 55% in the state
Rajasthan	Yes	As per telephonic conversation with the utility technical minimum threshold is 55% in the state
Telangana	Yes	As per telephonic conversation with the utility technical minimum threshold for various plants in the state is in the range of 59%- 68%
Uttar Pradesh	Yes	Petition No. 1217/2017 with UPERC for specifying technical minimum schedule of all generating stations
Uttarakhand	Not Applicable	--
Himachal Pradesh	Not Applicable	--
Kerala	Not Applicable	--
Manipur & Mizoram	Not Applicable	
Punjab	Yes	Review Petition under Section 94 of the Electricity Act, 2003 against tariff order dated 27.05.2019 for 2019-20 (in petition no. 02 of 2019).
Tamil Nadu	Yes	As per telephonic conversation with the utility technical minimum threshold is 70% for 600MW and 80% for 210 MW in the state. Further the state commission has not issued regulations for technical minimum operations
Tripura	Not Applicable	--

Availability of Technical Minimum Regulation

	Availability of Technical Minimum regulation	Relevant regulation / document
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%
Arunachal Pradesh	Not Applicable	--
Goa	Not Applicable	--
J&K and Ladakh	Not Applicable	--
Nagaland	Not Applicable	--
Puducherry	Not Applicable	--
Sikkim	Not Applicable	--
Chandigarh	Not Applicable	--
Dadra & Nagar Haveli	Not Applicable	--
Daman & Diu	Not Applicable	--

Notes:

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



SECTION 16

MERIT ORDER >>>> ADHERENCE

Merit Order Adherence

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

Notes:

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

