ANNUAL ENERGY AUDIT REPORT



Designated Consumer

Jammu Power Distribution Corporation Limited

(JPDCL)
Ambedkar Chowk (Panama Chowk), Jammu,
Jammu & Kashmir– 180006
(J&K-UT)

FY 2021-22

Conducted by

A-Z Energy Engineers Private Limited

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Table of Contents

List of Abbreviations **5**

Acknowledgement **6**

1. Executive Summary **7**

1.1. Goals and Objectives 7
1.2. About Energy Audit firm 7
1.3. AT&C losses for FY 2021-22 8

2. Background **9**

2.1. Extant Regulations and role of BEE 9
2.2. Purpose of audit and accounting Report 11
2.3. Period of Energy Auditing and accounting 12

3. DISCOM Introduction and Overview **13**

3.1. Name and address of DISCOM 13
3.2. Name and contact details of energy manager (BEE Certified, if any) and Authorized signatory of DISCOM (Nodal Officer) 13
3.3. Summary profile of DISCOM 13
3.4. Electrical infrastructure and assets voltage wise 15
3.5. Energy Conservation measures 22

4. Energy flow analysis **24**

4.1. Energy flow across 5 Service Levels 24
4.2. Validation of metered data 25
4.3. Validation of energy flow data and losses 26

5. Loss and subsidy computation **27**

5.1. Energy accounts analysis for previous year 27
5.2. Energy accounts analysis and performance in current year (based on quarterly data) 28
5.3. Subsidy computation and analysis (based on quarterly data) 42
5.4. Trend analysis and identification of key exceptions 44

6. Energy Audit findings **49**

6.1. Review of capacity of DISCOM's energy accounting and audit wing 49
6.2. Critical Analysis 50
6.3. Revised findings based on data validation and field verification 55
6.4. Inclusions and Exclusions 56

7. Conclusion and Action Plan **57**

7.1. Summary of critical analysis and way forward proposed by Energy Auditor 57
7.2. Summary of key findings – energy balance and losses 58
7.3. Recommendations and best practices 58
7.4. Action plan for line loss reduction 59
7.5. Action plan for monitoring and reporting 60
7.6. Action plan for automated energy accounting 60

Annexures **62**

Annexure I - Introduction of Verification Firm 62
Annexure II - Minutes of Meeting with the DISCOM team 64
Annexure III - Check List prepared by auditing Firm 66
Annexure IV - Brief Approach, Scope & Methodology for audit 67
Annexure V - Infrastructure Details 68
Annexure VI - Electrical Distribution System 69
Annexure VII - Power Purchase Details 70
Annexure VIII - Single Line Diagram (SLD) 71
Annexure IX - Category of service details (With Consumer and voltage-wise) 72
Annexure X - Field Verification data and reports 73
Annexure XI - List of documents verified with each parameter 76

Annexure XII - Brief Description of Unit 77
Annexure XIII - List of Parameters arrived through calculation or formulae with list of documents as source of data 79
Annexure XIV - Detailed Formats 80

List of Tables

Table 1: Energy Balance& Losses for FY 2021-22 8
Table 2: Period of Energy Auditing and accounting 12
Table 3: Name and Address of DISCOM 13
Table 4: Details of energy manager and Authorized signatory of DISCOM 13
Table 5: Administrative hierarchy structure in JPDCL 14
Table 6: Administrative hierarchy in JPDCL upto section level 14
Table 7: Customer Profile for FY 2021-22 15
Table 8: Network Infrastructure details 15
Table 9: Input Energy & Infrastructure details 16
Table 10: Voltage wise Meter Consumers 17
Table 11: Numbers of Distribution Transformers 17
Table 12: Voltage wise numbers of Feeders 18
Table 13: Length of Distribution Lines 18
Table 14: Energy Flow details 18
Table 15: Month wise Input Energy for FY 2021-22 20
Table 16: Month wise Purchase, input energy, billed energy & Billed amount for FY 2021-22 21
Table 17: Voltage wise consumption pattern 21
Table 18: Energy Flow at different Voltage level Losses for FY 2021-22 24
Table 19: AT&C losses of previous year 27
Table 20: Circle wise No. of consumers, Input energy and Sales in FY 2020-21 27
Table 21: Circle wise T&D losses, Collection Efficiency and AT&C losses for FY 2020-21 28
Table 22: Month wise input energy & billed energy for FY 2021-22 28
Table 23: Energy Input and AT&C Losses for FY 2021-22 29
Table 24: Voltage-wise AT&C Losses for FY 2021-22 29
Table 25: Circle wise No. of consumers, Input energy and Sales in FY 2020-21 30
Table 26: Circle wise T&D losses, Collection Efficiency and AT&C losses for FY 2021-22 30
Table 27: Circle wise T&D losses, Collection Efficiency and AT&C losses for FY 2021-22 32
Table 28: Top 15 Divisions with higher AT&C losses (%) & T&D losses (MU) 35
Table 29: Quarter wise – Division wise subsidy details 42
Table 30: Details of energy manager and Authorized signatory of DISCOM 49
Table 31: Compliance status w.r.t Timelines and Pre-requisites 50
Table 32: Summary of Data gaps 54
Table 33: Comments by Energy Auditor and responses of DISCOM management 54
Table 34: Energy balance and losses 58
Table 35: Infrastructure details 68
Table 36: Metering details 68
Table 37: Month wise power purchase 70
Table 38: Circle wise monthly input energy (MU) 70
Table 39: Category of service details 72
Table 40: Field inspection details 73
Table 41: List of documents verified with each parameter 76
Table 42: Formulas used to derive the parameters 79

List of Figures

Figure 1: Regulatory framework for Energy Accounting & Audit 10
Figure 2: Monthly Energy Input and Energy billed pattern 19
Figure 3: Month wise Purchase Energy (MU) pattern 20

Figure 4: Energy Flow Diagram FY 2021-22 24
Figure 5: Circle wise T&D losses (MUs) Vs T&D losses (%).....31
Figure 6: Division wise T&D losses (MUs) Vs AT&C losses (%) 35
Figure 7: Division wise Collection efficiency (%).....36
Figure 8: Organogram of Energy accounting wing in the DISCOM 49
Figure 9: Single Line Diagram (SLD) of JPDCL.....71

List of Abbreviations

AMI	Advanced Metering Infrastructure
AMR	Automated Meter Reading
AMRUT	Atal Mission for Rejuvenation and Urban Transformation
AT&C	Aggregate Technical and Commercial
BEE	Bureau of Energy Efficiency
Ckt	Circuit
CT	Current Transformer
DC	Designated Consumer
DEEP	Discovery of Efficient Electricity Price
DISCOM	Electricity Distribution Company
DT	Distribution Transformer
EA	Energy Auditor
EHT	Extra High Tension
EHV	Extra High Voltage
EM	Energy Manager
FY	Financial Year
HT	High Tension
HVDS	High Voltage Distribution System
KVA	Kilo Volt Ampere
LT	Low Tension
MoP	Ministry of Power
MU	Million Units
MW	Mega Watt
NO	Nodal Officer
OA	Open Access
POC	Point of Connection
PT	Potential Transformer
PX	Power Exchange
RE	Renewable Energy
RLDC	Regional Load Dispatch Centre
SDA	State Designated Agency
SLD	Single Line Diagram
SLDC	State Load Dispatch Centre
T&D	Transmission and Distribution

Acknowledgement

We would like to express our heartfelt gratitude to the JPDCL, Jammu for providing us with the opportunity to conduct the Energy Audit of their DISCOM for FY 2021-22, in accordance with the Bureau of Energy Efficiency (Manner and Intervals for Conduct of Energy Audit in electricity distribution companies) Regulations, 2022 and its Amendments.

We are immensely grateful to the management of JPDCL, Jammu, for their invaluable cooperation and providing us with all the relevant information necessary for the successful completion of the Annual Energy Audit.

We also extend our sincere thanks to the entire working group, especially to Sh. Er. Sandeep Seth (C.E.)–Chief Engineer (Distribution), JPDCL and Sh. Er. Rajinder Gupta (S.E.), Superintending Engineer, O&M Circle-Jammu for their immense support and assistance throughout the audit process.

We look forward to a continued partnership with JPDCL, Jammu, and we express our gratitude for their continued support in all our future endeavours.



Signature

Name: Dr PP Mittal

Designation: Director

Registered No: EmAEA 0024

Firm: A-Z Energy Engineers Private Limited

1. Executive Summary

The erstwhile J&K Power Development Department has been unbundled and corporatized into 5 companies namely J&K Power Corporation Ltd (JKPCL), J&K Power Transmission Corporation Ltd. (JKPTCL), Jammu Power Distribution Corporation Ltd. (JPDCL), Kashmir Power Distribution Corporation Ltd. (KPDCL) and Ladakh Power Corporation Ltd. (LPCL) vide Govt Order No: 191-PDD of 2019 dated 23.10.2019. LPCL has been formed exclusively for UT of Ladakh. The remaining four companies are for the Transmission and Distribution Sectors of UT of J&K. These companies have been registered and the transition towards corporate structure is under process. While the Purchase energy, input & billed energy by JPDCL for the consumers is 7824.98 MU, 7668.45 MU & 4792.65 MU. The monthly consumption per consumer stands at 360.56 KWH/Month. JPDCL caters to area spread in 5 circles, 18 Division.

1.1. Goals and Objectives

JPDCL is a designated consumer in Discom sector. Being a designated Consumer JPDCL need to have Annual energy audit (Accounting) of their facilities as per BEE notification No 18/1/BEE/Discom/2021 dated 6th October 2021.

The Annual Energy Audit (Accounting) at JPDCL is conducted with the following Objectives:

- Verification of existing pattern of energy distribution across periphery of electricity Distribution Company.
- Verification of accounted energy flow submitted by electricity Distribution Company at all applicable voltage levels of the distribution network.
- Verification of the accuracy of the data collected and analyses and processes the data with respect to consistency, improvement in accounting and reducing loss of DISCOM.
- Verification of the information submitted by DC to the SDA/BEE about status of energy input, Output and loss for the previous two year.
- Access the past performance of the establishment.
- Quantification of Energy Losses, and Energy Saving Potential.

1.2. About Energy Audit firm

A-Z Energy Engineers Pvt. Ltd. is an Accredited Energy Auditor from BEE and an ISO 9001:2015 certified company that aims to assist all stakeholders in implementing energy efficiency and creating awareness about the merits of energy efficiency and safety practices. They are empanelled by BEE for PAT M & V Audits and Mandatory Energy Audit Projects and have completed more than 1260 projects, including 52 PAT projects. The founder Director, Shri. Dr PP Mittal, has received several awards and recognitions for his services in the field of energy. We have a pool of experienced BEE Accredited & Certified Energy Auditors, Electrical Engineers, Mechanical Engineers and Technicians having

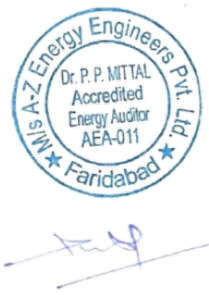
experience of more than 30 years. The Energy Audits is being carried out with sophisticated instruments namely Power-Analyzer, Flue Gas Analyzer, Ultra-sonic flow meter, Techo-meter, Anemometer, Hego-Meter, Digital Thermometer, Thermographic Camera's, Lux Meter, Leak detectors. Laser gun etc.

1.3. AT&C losSSSses for FY 2021-22

The AT&C loss for FY 2021-22 is 43.26%. The AT&C losses for the FY 2021-22 are shown in the table below:

Table 1: Energy Balance& Losses for FY 2021-22

Energy Input Details	Formula	UoM	Value
Input Energy Purchase (From Generation Source)	A	MU	7824.98
Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	B	MU	7668.45
Total Energy billed (is the Net energy billed, adjusted for energy traded))	C	MU	4792.65
Transmission and Distribution (T&D) loss Details	D	MU	2875.81
	E = D/B x 100	%	37.50%
Collection Efficiency	F	%	90.78%
Aggregate Technical & Commercial Loss	G = 1-{(1-E) x Min (F,100%)	%	43.26%



2. Background

2.1. Extant Regulations and role of BEE

2.1.1. The Objectives of BEE

- To develop policies and programmes on efficient use of energy and its conservation with the involvement of stakeholders.
- To plan, manage and implement energy conservation programmes as envisaged in the EC Act.
- To assume leadership and provide policy framework and direction to national energy efficiency and conservation efforts and programmes.
- To demonstrate energy efficiency delivery mechanisms, as envisaged in the EC Act, through Public-Private Partnership (PPP).
- To establish systems and procedures to measure, monitor and verify energy efficiency results in individual sectors as well as at the national level.
- To leverage multi-lateral, bi-lateral and private sector support in implementation of programmes and projects on efficient use of energy and its conservation.
- To promote awareness of energy savings and energy conservation.

2.1.2. Role of BEE

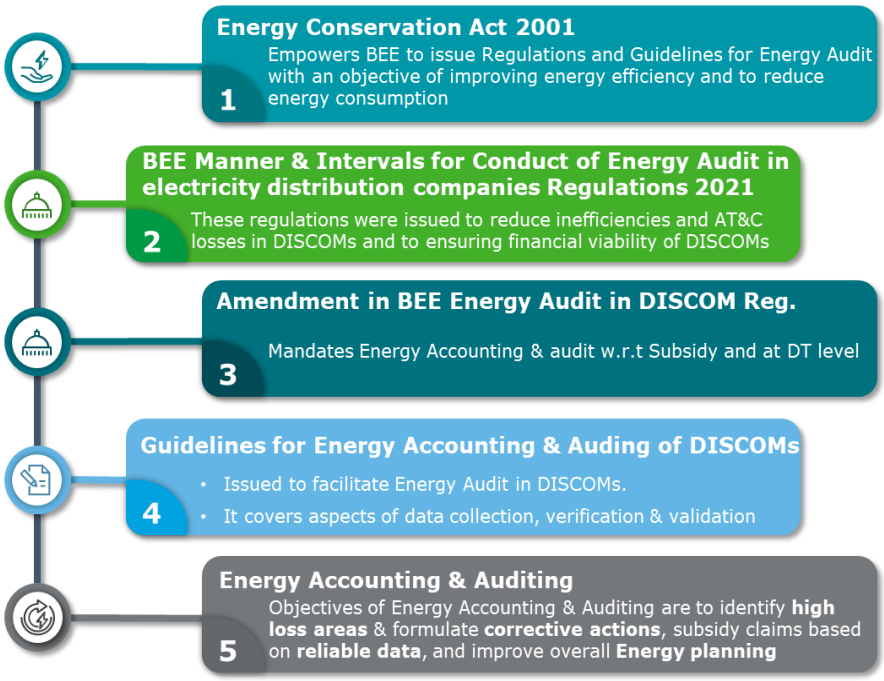
- BEE coordinates with designated agencies, designated consumers and other organization working in the field of energy conservation/efficiency to recognize and utilize the existing resources and infrastructure in performing the functions assigned to the Bureau under the Energy Conservation Act.
- The Act provides regulatory mandate for: standards & labelling of equipment and appliances; energy conservation building code for commercial buildings; and energy consumption norms for energy intensive industries.
- The EC Act was amended in 2010 to incorporate few additional provisions required to better equip BEE to manage ever evolving sphere of energy efficiency in the country.
- Create awareness and disseminate information on energy efficiency and conservation.
- Arrange and organize training of personnel and specialists in the techniques for efficient use of energy and its conservation.
- Strengthen consultancy services in the field of Energy Efficiency.
- Promote research and development.
- Develop testing and certification procedures and promote testing facilities.
- Formulate and facilitate implementation of pilot projects and demonstration projects.
- Promote use of energy efficient processes, equipment, devices and systems.

- Take steps to encourage preferential treatment for use of energy efficient equipment or appliances.
- Promote innovative financing of energy efficiency projects.
- Give financial assistance to institutions for promoting efficient use of energy and its conservation.
- Prepare educational curriculum on efficient use of energy and its conservation.
- Implement international co-operation programmes relating to efficient use of energy and its conservation.

2.1.3. Regulatory framework for Energy Accounting & Audit

The Energy Conservation Act 2001 (hereafter referred to as EC Act 2001) was enacted on 29thSeptember 2001. The EC Act 2001 empowers BEE to notify regulations regarding energy conservation and efficiency improvement. In accordance with the EC Act 2001, BEE notified the Bureau of Energy Efficiency (Manner and Intervals for Conduct of Energy Audit) Regulations, 2021, on 6thOctober 2021. BEE subsequently amended these regulations with the Bureau of Energy Efficiency (Manner and Intervals for Conduct of Energy Audit) (Amendment) Regulations, 2022. The Ministry of Power (MoP) issued guidelines on 17thJanuary 2023, for energy accounting and auditing of distribution companies, in line with the BEE regulations. Distribution companies and energy audit firms must comply with this regulatory framework when preparing energy accounts and audit reports. The regulatory framework for Energy accounting and Energy Auditing is shown in the below figure:

Figure 1: Regulatory framework for Energy Accounting & Audit



Key highlights of the Regulatory framework are listed below:

- Bureau of Energy Efficiency (BEE) through Ministry of Power, Government of India issued regulations for Conduct of Mandatory Annual Energy Audit and Periodic Energy Accounting in DISCOMs. As per the regulation, all Electricity Distribution Companies are mandated to conduct annual energy audit and periodic energy accounting on quarterly basis.
- Owing to the impact of energy auditing on the entire distribution and retail supply business and absence of an existing framework with dedicated focus on the same, it was imperative to develop a set of comprehensive guidelines that all Distribution utilities across India can follow and adhere to.
- Accordingly, Regulations on Manner and Intervals for Conduct of Energy Audit and Accounting in Electricity Distribution Companies has been framed. Energy Accounting means accounting of all energy inflows at various voltage levels in the distribution periphery of the network, including renewable energy generation and open access consumers, and energy consumption by the end consumers. Energy accounting and a consequent annual energy audit would help to identify areas of high loss and pilferage, and thereafter focus efforts to take corrective action.
- These Regulations for Energy audit in Electricity Distribution Companies provides broad framework for conduct of Annual Energy Audit though and Quarterly Periodic Energy Accounting with necessary Pre-requisites and reporting requirements to be met.

2.2. Purpose of audit and accounting Report

JPDCL is a designated consumer in Discom sector. Being a designated Consumer JPDCL need to have Annual energy audit (Accounting) of their facilities as per BEE notification No 18/1/BEE/Discom/2021 dated 6thOctober 2021.

The energy intensity of India is higher with respect to GDP growth and there is an urgent need to address these issues on priority through integrated and comprehensive approach and by adopting latest techniques and technologies with active participation of all stakeholders.

Sensing the need of the hour Government of India initiated a mechanism for all energy intensive large industries and facilities (designated consumer) known as PAT Scheme which is "A market-based mechanism to enhance cost effectiveness of improvements in energy efficiency in designated consumers, through certification of energy savings that could be traded."

Annual Energy audit (Accounting) will not only help in reducing losses in system, but it also helps DISCOM in sustainable growth. The objective of this energy audit is to reduce T&D loss and AT&C loss of the DISCOM through identification of commercially viable and implementable scheme for reduction of technical and commercial loss in the DISCOM thus leading to sustainable energy cost reductions.

The Annual Energy Audit (Accounting) at JPDCL is conducted with the following Objectives:

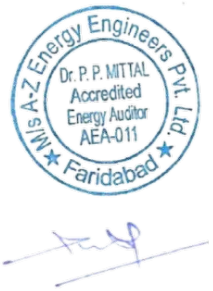
- Verification of existing pattern of energy distribution across periphery of electricity Distribution Company.
- Verification of accounted energy flow submitted by electricity Distribution Company at all applicable voltage levels of the distribution network.
- Verification of the accuracy of the data collected and analyses and processes the data with respect to consistency, improvement in accounting and reducing loss of DISCOM.
- Verification of the information submitted by DC to the SDA/BEE about status of energy input, Output and loss for the previous two year.
- Access the past performance of the establishment.
- Quantification of Energy Losses, and Energy Saving Potential.

2.3. Period of Energy Auditing and accounting

Energy audit activity was started with a meeting at Head Office of JPDCL in the month of May. 2023. Based on the requirement visit was made to Division, Subdivision and Substation etc. for data collection and technical discussion. The period of study was from April 2021 to March 2022.

Table 2: Period of Energy Auditing and accounting

Particulars	Energy Accounting				Energy Audit
	Q1	Q2	Q3	Q4	FY 2021-22
Applicable period	1-Apr-21 to 30-Jun-21	1-Jul-21 to 30-Sep-21	1-Oct-21 to 31-Dec-21	1-Jan-22 to 31-Mar-22	1-Apr-21 to 31-Mar-22
Date of Commencement	04-03-2023	04-03-2023	04-03-2023	04-03-2023	02-09-2023
Date of Publishing	04-03-2023	04-03-2023	04-03-2023	04-03-2023	
Officer In charge	ER Sandeep Seth (CE)				Dr. P P Mittal [AEA 0011] Registration No: EmAEA-0024



3. DISCOM Introduction and Overview

3.1. Name and address of DISCOM

JPDCL is having its corporate office at Ambedkar Chowk (Panama Chowk), Jammu J&K (UT) –180006 (J&K)

Table 3: Name and Address of DISCOM

Particulars	Details
Name of DC	Jammu Power Distribution Corporation Limited.
Address	Ambedkar Chowk (Panama Chowk), Jammu J&K (UT) –180006 (J&K)

3.2. Name and contact details of energy manager (BEE Certified, if any) and Authorized signatory of DISCOM (Nodal Officer)

The Energy Accounting/Audit wing is headed by Er. Sandeep Seth (Chief Engineer Distribution) and Er. Rajinder Gupta (S.E.) is appointing as internal energy manager is leading the energy accounting activities in JPDCL, The details of DISCOM's energy manager and authorized signatory for this report are shown below:

Table 4: Details of energy manager and Authorized signatory of DISCOM

Particulars	Details
Energy Manager	Er. Rajinder Gupta (S.E.) Designation: Superintending Engineer, O&M Circle-Jammu Mobile: Email: semrejammu@gmail.com
Authorized Signatory	Er. Sandeep Seth (C.E.) Designation: Chief Engineer(Distribution), JPDCL Ph: Email:

3.3. Summary profile of DISCOM

3.3.1. Jurisdiction of DISCOM

Post Unbundling of Power Development Department, JPDCL is mandated with development and management of Electric Power Supply at sub-transmission and distribution level in Jammu region of UT of J&K. JPDCL performs following functions

- Development of Electric Power Supply infrastructure at Sub-Transmission and Distribution Level
- Distribution of Electric Power Supply to the people of Jammu region
- Maintenance of Electric Power Supply at Sub-Transmission and Distribution Level
- Electricity plays an important role in socio-economic development of the region, by ensuring adequate and good quality electric power supply JPDCL plays an important role in

wholistic development of Jammu Region. JPDCL is committed to serve the electric energy needs of the region in general and people in particular.

3.3.2. Administrative hierarchy

JPDCL is having its corporate office at Ambedkar Chowk (Panama Chowk), Jammu J&K (UT) at Jammu and has 5 Circles. These Circles are further divided into Divisions, Sub-Divisions and Sections as shown in the below tables.

Table 5: Administrative hierarchy structure in JPDCL

Parameters	Total
Number of circles	5
Number of Electric Divisions	12
Number of Electric Sub-Divisions	48
Number of Sub Transmission Divisions	6
Number of Sub Transmission Sub-Divisions	19

The Circles are further divided into Divisions, Sub-Divisions and Sections as shown in the table below:

Table 6: Administrative hierarchy in JPDCL upto section level

Circle	Division	Name of Sub-Divisions	Name of Sections
Jammu	ED-I	Sub Division-I Parade, Sub Division-II Canal, Sub Division-III Canal & Sub Division IV Nagrota	Jammu
	ED-II	Sub Division-I Gandhi Nagar, Sub Division-II Shastri Nagar, Sub Division-III Miran Sahib & Sub Division IV Bishnah	Jammu
	ED-III	Sub Division-I Canal, Sub Division-II Janipur, Sub Division-III Jourian & Sub Division IV Akhnoor	Jammu
	STD-I	Sub Division-I, Sub Division-II, Sub Division-III & Sub Division IV.	Jammu
	STD-II	Sub Division-I, Sub Division-II, & Sub Division-III.	Jammu & Samba.
Kathua	ED-Vijaypur	Sub Division-I Samba, Sub Division-II Vijaypur, Sub Division-III Ramgarh & Sub Division IV Bari Brahmana	Samba
	ED-Kathua	Sub Division-I Kathua, Sub Division-II Hiranagar, Sub Division-III Ramkot, Sub Division IV Billawar & Sub Division Basohli.	Kathua
	STD-Kathua	Sub Division-Kathua, Sub Division-Hiranagar, & Sub Division- Billawar.	Kathua
Rajouri	ED-Rajouri	Sub Division-I Rajouri, Sub Division-II Rajouri Sub Division-III Nowshera, Sub Division Sunder Bani & Sub Division-Kotranka.	Rajouri
	ED-Poonch	Sub Division-I Poonch, Sub Division-II Mandi, Sub Division-III Surankote& Sub Division IV Mendhar	Poonch & Rajouri
	STD-Kalakote	Sub-Division-Poonch, Sub-Division-Rajouri & Sub-Division-Kalakote.	Poonch
Batote	ED-Udhampur	Sub Division-I Udhampur, Sub Division-II	Udhampur

Circle	Division	Name of Sub-Divisions	Name of Sections
		Udhampur, Sub Division-III Ramnagar& Sub Division IV Chenani.	
	ED-Reasi	Sub Division-I Katra, Sub Division-II Reasi, Sub Division-III Dharmari& Sub Division IV Pouni	Reasi
	ED-Batote	Sub Division-I Batote, Sub Division-II Ramban & Sub Division-Udhampur.	Ramban
	STD-Udhampur	Sub Division-Batote, Sub Division-Katra & Sub Division-III Banihal.	Ramban, Reasi & Udhampur.
Kishtwar	ED-Doda	Sub Division-I Doda, Sub Division-II Doda & Sub Division-III Bhaderwah.	Doda
	ED-Kishtwar	Sub Division-I Kishtwar, Sub Division-II Chatroo, Sub Division-III Thatri& Sub Division-Bhalesa.	Kishtwar
	STD-Doda	Sub Division-Kishtwar, Sub Division-Doda, & Sub Division-Thatri.	Kishtwar & Doda

3.3.3. Consumer Details

Energy consumption with type of customer is given in the table:

Table 7: Customer Profile for FY 2021-22

Category	No. of Connections		Connected Load		Billed Energy		Billed Amount in Rs. Crore	Collected Amount in Rs. Crore
	Nos	%	MW	%	MU	%		
Residential	951150	85.87%	1114.32	48.9%	1629.17	34.0%	486.62	373.13
Agricultural	22394	2.02%	99.71	4.4%	230.94	4.8%	42.68	26.20
Commercial/ Industrial-LT	123005	11.10%	421.85	18.5%	593.87	12.4%	240.06	196.02
Commercial/ Industrial-HT	662	0.06%	352.58	15.5%	1097.07	22.9%	416.45	393.31
Others	10484	0.95%	291.21	12.8%	1241.59	25.9%	684.06	708.88
Total	1107695	100.00%	2279.67	100%	4792.65	100.0%	1869.87	1697.53

3.4. Electrical infrastructure and assets voltage wise

The following table provides the details of network infrastructure owned by JPDCL:

Table 8: Network Infrastructure details

Asset	Particulars	Unit	FY18-19	FY20-21	FY21-22
66 kV and above	66/ 11 kV Sub station	Nos		58	61
	66 kV Feeders	Nos		16	17
	66 kV Line	Ckt. Km		232.88	265.83
33 kV	33/ 11 kV Sub station	Nos		310	345
	33 kV Feeders	Nos		114	121
	33 kV Line	Ckt. Km		2952.68	2948.28
11 kV	11 kV Feeders	Nos		1094	1210

Asset	Particulars	Unit	FY18-19	FY20-21	FY21-22
	11 kV Overhead Line	Ckt. Km		23902.32	24372.134
	11 kV Underground Line	Ckt. Km		31.2	31.2
LT	LT Line	Ckt. km		58924.915	60145.066
PT	Power Transformer	Nos		515	630
	Power Transformer Capacity	MVA		3601.16	4290.45
DT	Distribution Transformer	Nos		40107	41871
	Distribution Transformer Capacity	MVA		4325.8	4523.777

The Input energy, consumption, transmission losses and key infrastructure details of the JPDCL are summarized in table below:

Table 9: Input Energy & Infrastructure details

Parameters	FY 2021-22
Input Energy purchased (MU)	7824.98
Transmission loss (%)	2%
Transmission loss (MU)	156.47
Energy sold outside the periphery (MU)	0
Open access sale (MU)	0
EHT sale	0
Net input energy (received at DISCOM periphery or at distribution point)-(MU)	7668.51
Is 100% metering available at 66/33 kV (Select yes or no from list)	No
Is 100% metering available at 11 kV (Select yes or no from list)	No
% of metering available at DT	17.98%
% of metering available at consumer end	70.00%
No of feeders at 66kV voltage level	17
No of feeders at 33kV voltage level	121
No of feeders at 11kV voltage level	1210
No of LT feeders level	0
Line length (ckt. km) at 66kV voltage level	265.83
Line length (ckt. km) at 33kV voltage level	2948.28
Line length (ckt. km) at 11kV voltage level	24403.334
Line length (km) at LT level	60145.066
Length of Aerial Bunched Cables	1745.075
Length of Underground Cables	31.2
HT/LT ratio	0.41

3.4.1. Metering details

The status of meters installed in JPDCL as on 31-03-22 are given in the below tables:

Table 10: Voltage wise Meter Consumers

Parameters	66kV and above	33kV	11/22kV	LT
Number of conventional metered consumers	32	51	3330	736131
Number of consumers with 'smart' meters	0	0	0	35852
Number of consumers with 'smart prepaid' meters	0	0	0	0
Number of consumers with 'AMR' meters	0	0	0	0
Number of consumers with 'non-smart prepaid' meters	0	0	0	0
Number of unmetered consumers	0	0	43	332256
Number of total consumers	32	51	3373	1104239

- 35852 Nos consumers are smart Meters on LT consumers.
- 332256 Nos. consumers are still unmetered which need to be provided meter as per government guidelines.
- Consumer are not indexed properly DT-wise and Feeder wise.
- Recommended to add energy audit module in billing software so that billing efficiency, collection efficiency and AT&C losses can be calculated on auto mode by software by getting input energy through AMR meters provided on 11kV, 33kV feeder meters.
- Recommended to install smart prepaid meters at the premises of high line losses Urban Feeder consumers on top priority. DISCOM has undertaken work of installation smart prepaid meters on the Urban consumers.

3.4.2. Distribution Transformer (DT) details

The details of distribution transformers in JPDCL as on 31-03-22 are given in the below tables:

Table 11: Numbers of Distribution Transformers

Parameters	66kV and above	33kV	11/22kV	LT
Number of conventionally metered Distribution Transformers	0	9	7529	175
Number of DTs with communicable meters	0	0	17	0
Number of unmetered DTs	0	0	34342	1451
Number of total Transformers	0	9	41871	1626

- Out of 43506 Nos. distribution transformers 35793 Nos. distribution transformers are unmetered.
- Communicable DT Meter should be provided at all DT's and meters should have provision to communicate real-time data such as input energy, maximum demand, maximum load to the billing system so that losses can be calculated automatically and DT loading pattern may also be monitored.

- DT-Wise line losses are not being calculated in DISCOM.
- On installation of communicable meters to the distribution transformers there should be provision of online monitoring of data to the concern JE/Officers for ensuring real time current of all the three phases of transformers and load.

3.4.3. Feeder details

The details of feeders in JPDCL as on 31-03-22 are given in the below tables:

Table 12: Voltage wise numbers of Feeders

Parameters	66kV and above	33kV	11/22kV	LT
Number of metered feeders	15	121	1161	0
Number of feeders with communicable meters	3	47	100	0
Number of unmetered feeders	2	0	49	0
Number of total feeders	17	121	1210	0

3.4.4. Distribution Line details

The details of distribution lines in JPDCL as on 31-03-22 are given in the below tables:

Table 13: Length of Distribution Lines

Parameters	66kV and above	33kV	11/22kV	LT
Line length (ct km)	265.83	2947.28	24142.864	58630.261
Length of Aerial Bunched Cables	0	1	229.27	1514.805
Length of Underground Cables	0	0	31.2	0

3.4.5. Energy Flow details

Energy flow details for FY 2021-22 are given in the below table:

Table 14: Energy Flow details

Energy Input Details	Formula	UoM	Value
Input Energy Purchase (From Generation Source)	A	MU	7824.98
Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	B	MU	7668.45
Total Energy billed (is the Net energy billed, adjusted for energy traded)	C	MU	4792.65
Transmission and Distribution (T&D) loss Details	D	MU	2875.81
	E = D/B x 100	%	37.50%

3.4.6. Pattern of energy distribution

Power Purchase:

During the analyzed period, JPDCL purchased a maximum energy of 766.69 million units (MUs) in Aug 2021, while the least energy of 541.67 MUs was purchased in Nov-21. This shows that the company's energy purchase varies considerably from month to month irrespective of the seasonal impact.

Energy Billed:

The energy billed by JPDCL showed a minor increasing trend from April 2021 to March 2022, with a slight bump in Sept 2021. This indicates that the company's energy consumption has increased gradually over the analyzed period.

The chart below shows JPDCL energy purchase pattern from April 2021 to March 2022:

Figure 2: Monthly Energy Input and Energy billed pattern

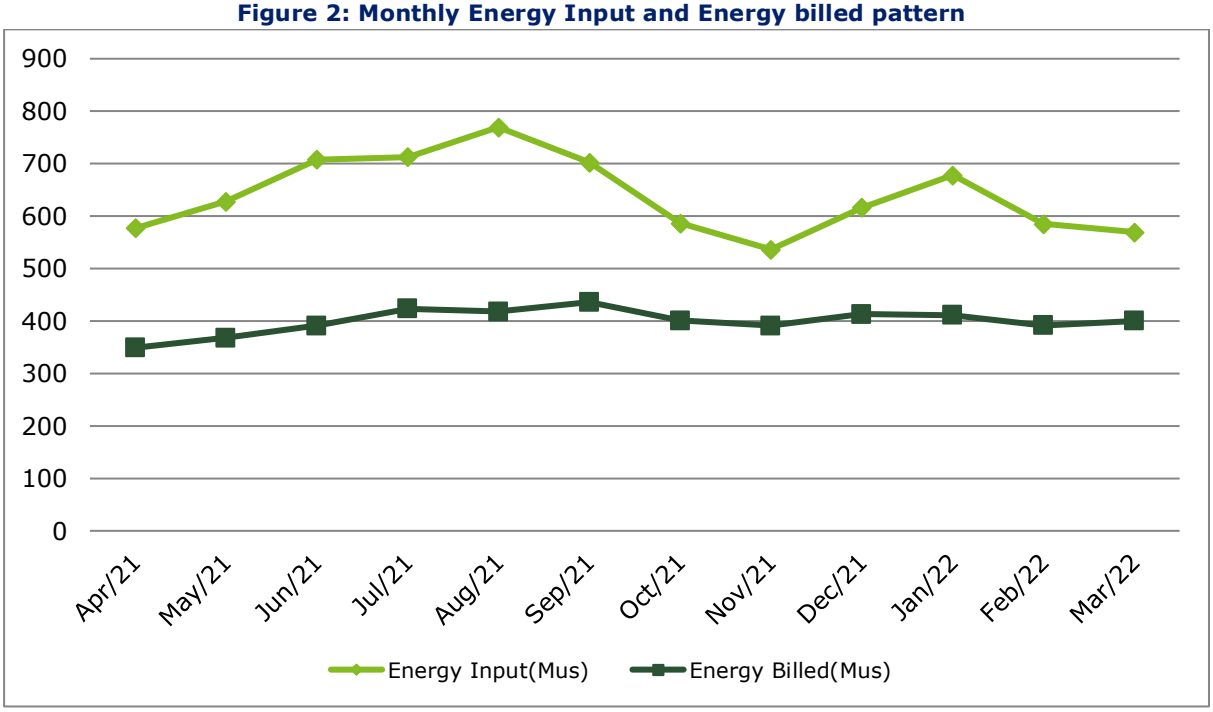
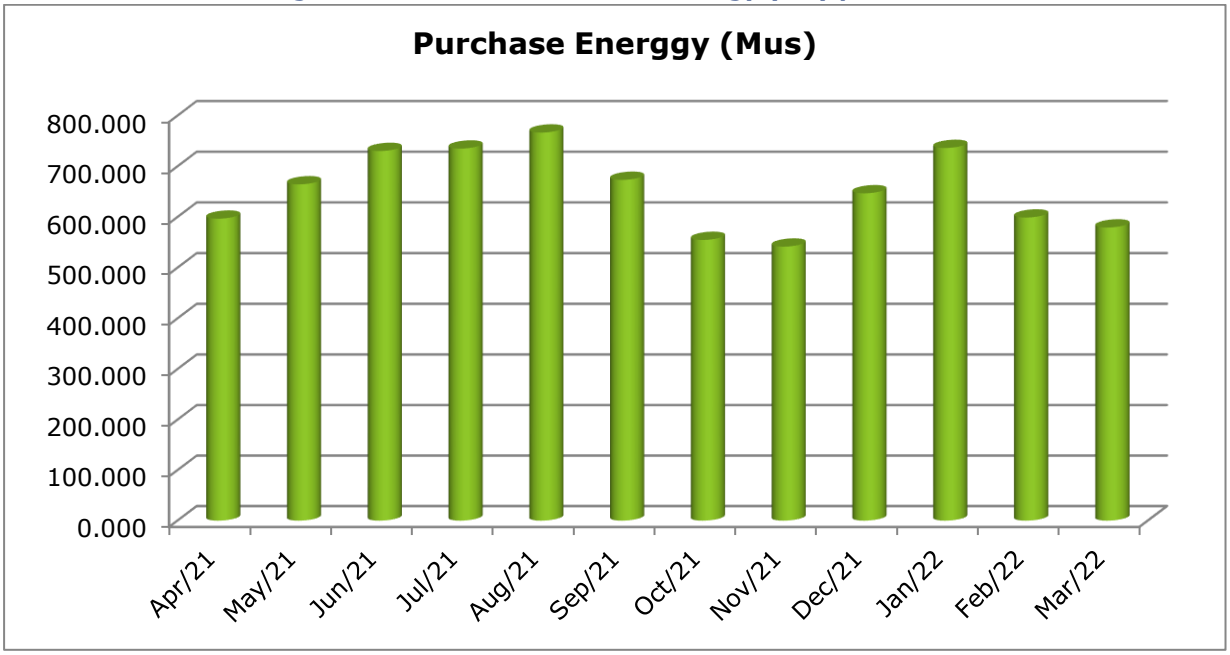


Figure 3: Month wise Purchase Energy (MU) pattern



In conclusion, JPDCL's energy purchase pattern shows considerable variation from month to month. While the maximum energy was purchased in Aug 2021, the least energy was purchased in Nov 2021. The energy billed shows a minor increasing trend from April 2021 to March 2022, indicating a gradual increase in energy consumption. The chart shows that the energy purchase pattern fluctuates considerably, which may pose challenges for the company in managing its energy supply and demand.

The Month wise break up of Billed energy (MUs) parameter for all the circle is given below:

Table 15: Month wise Input Energy for FY 2021-22

Particulars	ED-I	ED-II	ED-III	ED-Kathua	ED-Vijaypur	ED-Rajouri	ED-Poonch	ED-Batote	ED Udhampur	ED-Reasi	Doda	Kistwar
Apr-21	26.30	79.86	56.70	40.93	49.22	20.82	18.48	12.97	14.66	19.84		13.33
May-21	24.37	84.76	60.00	39.11	46.66	24.55	18.40	12.08	14.37	12.88	19.20	13.65
Jun-21	28.23	92.40	62.92	42.95	52.82	24.54	18.29	9.53	12.41	13.47	21.50	12.64
Jul-21	35.08	102.49	67.44	43.78	58.23	27.56	18.35	10.10	12.27	12.96	22.90	11.58
Aug-21	33.14	97.75	65.42	43.05	61.04	27.99	18.36	10.27	12.18	14.76	23.95	12.44
Sep-21	37.01	107.85	63.41	44.41	57.55	27.95	18.37	10.09	16.71	10.45	25.39	11.89
Oct-21	29.57	98.44	62.34	36.73	54.08	26.87	18.36	11.78	16.51	12.51	23.82	11.77
Nov-21	28.27	87.20	61.59	38.37	53.40	27.08	18.36	14.50	16.31	11.58	20.22	12.65
Dec-21	30.86	83.48	62.16	35.49	56.65	36.19	18.36	14.04	18.14	12.47	20.84	12.69
Jan-22	31.07	98.28	59.17	37.45	56.00	30.10	18.29	13.98	17.99	10.65	24.56	11.22
Feb-22	28.81	84.41	61.07	36.22	52.37	30.13	18.29	12.95	17.90	12.70	26.96	12.26
Mar-22	33.34	90.67	57.72	37.99	52.37	30.19	18.29	14.13	17.99	20.34	22.87	12.06
	366.05	1107.59	739.94	476.47	650.39	333.97	220.21	146.42	187.44	164.63	252.21	148.19

The Month wise break up of Purchase, Net Input, and billed energy (MUs) parameter for all is given below:

Table 16: Month wise Purchase, input energy, billed energy & Billed amount for FY 2021-22

MONTH	SLDC (Mus)	Energy Input (Mus)	Energy Billed (Mus)	Amount Billed (Cr.)	Revenue Realised (Cr.)
Apr-21	596.823	577	349.102	146.83	79.63
May-21	664.543	628	368.102	145.3	90.15
Jun-21	730.314	708	391	157.31	109
Jul-21	735.073	712.5	423.266	164.44	129
Aug-21	766.699	769.5	418	162.24	168
Sep-21	673.380	702.5	436	162	133
Oct-21	554.878	586.5	401	162.13	141.5
Nov-21	541.671	536.5	391	160.68	146.5
Dec-21	646.883	616	413	157.6	129.51
Jan-22	736.296	678	411	151.73	167.21
Feb-22	599.047	585	392	149.27	237.16
Mar-22	579.377	569	400.332	150.13	167
G.TOTAL	**7824.984**	**7668.500**	**4793.802**	**1869.660**	**1697.660**

The voltage wise consumption pattern is given below:

Table 17: Voltage wise consumption pattern

Voltage Level	Consumers		Energy Consumption	
	No.	%Share	MUs	%Share
440V	1104240.00	99.69%	3180.26	66.36%
11KV	3372.00	0.30%	951.33	19.85%
33KV	83.00	0.01%	660.83	13.79%
Total	**1107695.00**	**100%**	**4792.42**	**100%**

3.4.7. Salient features

JPDCL's main objectives are to achieve efficiency gains and make necessary changes to make the company commercially viable, progressively self-sustainable, and less dependent on the government while balancing the interests of consumers with regards to quality of service and economical tariffs.

- To undertake the activities of distribution to all consumers irrespective of the voltage, provision, supply, wheeling, purchase, sale, import, export and trading of electricity, introduce open access in distribution as per the Electricity Act2003 and/or the directions of the regulator.

- To plan, develop, acquire, establish, construct, erect, lay, hire, lease, buy, sell, operate, run, manage, maintain, enlarge, alter, renovate, modernize, work and use power distribution system network in all its aspects including amongst others various voltage lines and associated sub -stations, including distribution centers, cables, wires, accumulators, plants, motors, meters, apparatus, computers and materials connected with sub -transmission, distribution, supply of electrical energy, ancillary services, telecommunication and telemetering equipments.
- To tender, finalise and execute Power Purchase Agreements and other agreements for sale or purchase of electricity with generating companies, trading companies, other distribution companies, Central and State generating authorities, departments or companies, societies, other States, utilities, Independent Power Producers and other Persons.

a) Vision

Healthy and efficient power sector in J&K with reliable power generation, transmission and distribution.

b) Mission

Ensure optimal harnessing of hydel, thermal, solar and geo-thermal power generation and creating efficient transmission & distribution systems through appropriate strategies & plans so as to achieve desire able benchmark of services with specific focus on reduction of T&D losses.

3.5. Energy Conservation measures

Energy conservation is a critical issue in today's world, as the demand for energy continues to increase while the resources available to produce it are finite. The energy conservation measures that have already been taken and propose some measures for the future are explained below.

Energy Conservation Measures taken by the DISCOM:

Several energy conservation measures have already been implemented to reduce energy consumption and promote sustainable energy use. Some of these measures are:

1. Energy-Efficient Lighting: The Company has initiated "UJALA" scheme for replacement of traditional incandescent bulbs with energy-efficient LED bulbs, which has significantly reduced energy consumption and saved power purchase costs.
2. Energy Management Systems: The Company has implemented energy management systems to monitor and control energy consumption, identify areas of energy waste, and optimize energy usage.
3. Renewable Energy: The Company has increased the use of renewable energy sources, such as solar and wind power, to reduce reliance on fossil fuels and reduce carbon emissions.
4. Energy Audits: Regular energy audits are conducted to identify energy waste and implement measures to reduce it.

Proposed Energy Conservation Measures for the Future:

Distribution infrastructure works as required for strengthening and modernizing the system as well as measures for loss reduction. The infrastructure strengthening works will include separation of Agriculture feeders to enable implementation of the KUSUM scheme, Aerial Bunch cables and HVDS for loss reduction.

- 11 kV incomers shall be provided with capacitor bank with suitable capacity.
- Irrigation power consumers shall be provided with adequate capacity individual capacitors with their motors to manage the reactive load.
- Normal high loss distribution transformers should be replaced with star rating distribution transformer in phase manner.
- Normal conventional meter should be replaced with communicable prepaid smart meters.
- Augmentation of existing transformers at overloaded segments.
- Replacement or strengthening of conductor at overloaded segments is recommended.
- Recommended to provide aerial bunch conductor at theft prone area.
- Recommended to provide AMR meters for all HT installations.

4. Energy flow analysis

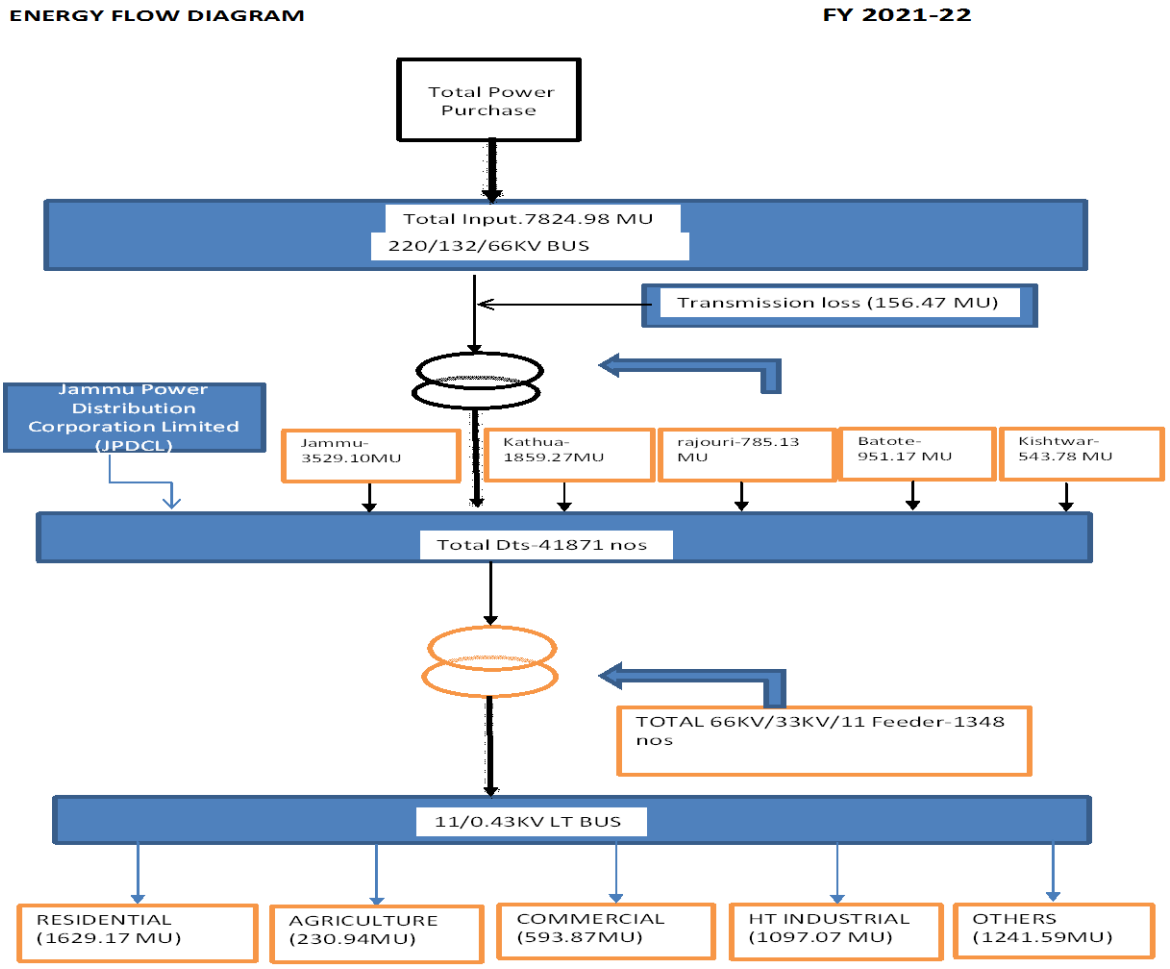
4.1. Energy flow across 5 Service Levels

The Energy at different voltage levels and the losses at different levels are shown in below table long term energy, short term energy and renewable energy wise details are given below:

Table 18: Energy Flow at different Voltage level Losses for FY 2021-22

	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
I	LT	7668.45	3180.26	2,876.034	37.5%
Ii	11 Kv		951.331		
Iii	33 kv and Above		660.83		

Figure 4: Energy Flow Diagram FY 2021-22



4.2. Validation of metered data

As per SoP validation of meter data must be as per the below criteria. Accordingly, the metered data validated needs to be elaborated.

a) Validation of feeder data: Based on data available in 11 kV Feeder meter at substation for a sample size of 10% for which documentary evidence to be captured in the audit report.

b) Validation of energy flow data and losses: Based on field survey as per the following sample size:

- Min. 10 or 1% (whichever is higher) of DISCOM's input energy metering points between Transmission and 66kV/33kV/11kV distribution feeders by checking functional and communication status of meters etc.

- For all Divisions with AT&C losses greater than 25% or at-least 1/3 of the total Divisions of DISCOM, verify: -

  - Total of min. 10 or 1% of metering points (whichever is higher) between 220-132- 110- 66 /33 kV outgoing and 22kV-11kV-6.6kV-3kV incoming feeders/ direct end consumer by checking functional and communication status of meters.

  - In an Urban High Loss Division, check 5 or 1% of Metering points (whichever is higher) at DTs where communicable meters were already installed under other schemes such as R-APDRP and IPDS.

  - Total of min. of 10 or 1% of metering points (whichever is higher) between 11kV/6.6kV feeders and DTs by checking functional and communication status of meters, foot survey of feeder to check for thefts/ hooking etc.

  - Verify metering and connection status of min. of 10 or 2% consumers of the Division (whichever is higher) of the following category of consumers – Agriculture (Metered and Un-metered), Govt. category connection (ULB, RLB etc.), and LT Industrial

c) Field verification report of the activities undertaken in a) and b) above to be included as an annexure to the energy audit report.

i. The Category wise metered consumers and unmetered consumers are shown in below table, As per the consumers details most of the consumers are residential which is 86 % and the energy share is 34% of total consumers and energy, commercial/industrial LT is 11% of total consumers and energy share is 12% of total billed energy, commercial/industrial HT is 0.18% of total consumers and energy share is 23% of total billed energy.

Consumer category	Metered	Un-metered	Total Consumer	% share of Consumer	Metered Energy (MU)	Unmetered Energy	Total Billed Energy (MU)	% Share energy
Residential	626925	324225	951150	86%	1180.34	448.83	1629.17	34%
Agricultural	21954	440	22394	2%	226.17	4.77	230.94	5%
Commercial/Industrial-LT	116244	6761	123005	11%	524.51	69.36	593.87	12%

Consumer category	Metered	Un-metered	Total Consumer	% share of Consumer	Metered Energy (MU)	Unmetered Energy	Total Billed Energy (MU)	% Share energy
Commercial/Industrial-HT	656	6	662	0%	1096.01	1.06	1097.07	23%
Others	9660	824	10484	1%	1105.59	136.00	1241.59	26%
	775439	332256	1107695	100%	4132.61	660.03	4792.65	100%

ii. Field visit of Substations, DTs and commercial building was done during the audit time.

iii. It was also observed that most of the consumers are metered.

iv. It was also observed that some of the meter CT/PT is not in working condition.

v. At the time of field visit it was observed that capacitor banks are installed.

vi. It was also observed that average power factor was found in the range of .9 to 0.999.

vii. It was also observed that hourly load parameters are monitored in the logbook and energy consumption is monitored at every 24hr.

4.3. Validation of energy flow data and losses

The Energy purchase flow, net energy & billed energy at different voltage level usage and their losses are shown in below table:

4	Voltage level	Energy Sales Particulars	MU
I	LT Level	DISCOM' consumers	3,180
		Demand from open access, captive	
		Embedded generation used at LT level	
		Sale at LT level	3,180
		Quantum of LT level losses	-3,180
		Energy Input at LT level	
Ii	11 kV Level	DISCOM' consumers	951
		Demand from open access, captive	
		Embedded generation at 11 kV level used	
		Sales at 11 kV level	951
		Quantum of Losses at 11 kV	-951
		Energy input at 11 kV level	
Iii	33 kV and Above Level	DISCOM' consumers	661
		Demand from open access, captive	
		Embedded generation at 33 kV or below level	13.977
		Sales at 33 kV level	661
		Quantum of Losses at 33 kV	7,008
		Energy input at 33kV Level	7,668
		Total Energy Requirement	**7,668**
		Total Energy Sales	**4,792**

5. Loss and subsidy computation

5.1. Energy accounts analysis for previous year

Previous cycle of audit is energy accounting base on the notification No. 18/1/BEE/DISCOM/2021 from Bureau of Energy Efficiency dated 6th October 2021.

a) Summary of AT&C losses for previous years

The AT&C losses for the FY 2020-21 are as shown below:

Table 19: AT&C losses of previous year

Technical Details	UoM	FY 2020-21
Input Energy Purchase (From Generation Source)*	Million kWh	7559.62
Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kWh	7162
Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kWh	4355.96
Transmission and Distribution (T&D) loss Details	Million kWh	2806
	%	39.18%
Collection Efficiency	%	85.93%
Aggregate Technical & Commercial Loss	%	47.74%

b) Circle wise connections & energy consumptions for FY 2020-21

The circle wise connections, load, input energy & Billed energy with percentage share in different circle is given below the "Jammu" circle having maximum numbers of consumers and "Kishtwar" circle having minimum numbers of consumers. "Jammu" have maximum input energy as well as billed units and "kishtwar" have minimum input energy as well as billed units as shown in table:

Table 20: Circle wise No. of consumers, Input energy and Sales in FY 2020-21

	Total Number of connections		Total Connected Load		Input energy		Billed energy	
Circle	Nos.	% Share	MW	% Share	MU	% Share	MU	% Share
Jammu	366842	34.0%	1183.811	54.68%	3251.03	45.4%	2082.55	48%
Kathua	203458	18.9%	451.429	20.85%	1756.79	24.5%	1001.87	23%
Rajouri	190637	17.7%	153.100	7.07%	767.56	10.7%	457.36	10%
Batote	216650	20.1%	264.412	12.21%	865.03	12.1%	530.51	12%
Kishtwar	101613	9.4%	112.122	5.18%	521.61	7.3%	283.67	7%
Total	1079200	100.0%	2164.874	100.00%	7162.02	100.0%	4355.96	100%

c) Circle-wise AT&C losses

The circle wise AT&C losses are shown in the table below:

Table 21: Circle wise T&D losses, Collection Efficiency and AT&C losses for FY 2020-21

Name of Circle	Input energy (MU)	Billed energy (MU)	T&D loss		Collection Efficiency (%)	AT& C loss (%)
			(MU)	(%)		
Jammu	3251.03	2082.55	1168.48	42%	81.69%	52.3%
Kathua	1756.79	1001.87	754.92	27%	81.59%	40.4%
Rajouri	767.56	457.36	310.2	11%	98.71%	12.2%
Batote	865.03	530.51	334.52	12%	102.64%	9.6%
Kishtwar	521.61	283.67	237.94	8%	85.57%	21.7%
Total	7162.02	4355.96	2806.06	39%	85.93%	47.7%

Note: *AT&C Losses calculation as per BEE proforma the calculation is as per actual Collection efficiency. JPDCL AT&C calculation is based on not more than 100% collection efficiency.*

5.2. Energy accounts analysis and performance in current year (based on quarterly data)

5.2.1. Month wise Purchase, Input energy and billed energy details

The Month wise Purchase, input energy & billed energy for FY 2021-22 of the Discom periphery is shown in below table.

Table 22: Month wise input energy & billed energy for FY 2021-22

Months	Purchase Energy (MU)	Net Input Energy (MU)	Billed Energy (MU)
Apr-21	596.823	577	349.102
May-21	664.543	628	368.102
Jun-21	730.314	708	391
Jul-21	735.073	712.5	423.266
Aug-21	766.699	769.5	418
Sep-21	673.380	702.5	436
Oct-21	554.878	586.5	401
Nov-21	541.671	536.5	391
Dec-21	646.883	616	413
Jan-22	736.296	678	411
Feb-22	599.047	585	392
Mar-22	579.377	569	400.332
Total	7824.984	7668.500	4793.802

Note: Details Sheet Attached in Annexure

5.2.2. Quarterly and annual AT&C losses

The Quarter wise and annual AT&C losses for FY 2021-22 are shown in below table.

Table 23: Energy Input and AT&C Losses for FY 2021-22

Energy Input Details	Formula	UoM	Quarterly				Annual
			Q1	Q2	Q3	Q4	FY 2021-22
Input Energy Purchase (From Generation Source)	A	MU	1991.68	2175.15	1743.43	1914.72	7824.98
Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	B	MU	1727	2072	1680.96	1785.30	7668.45
Total Energy billed (is the Net energy billed, adjusted for energy traded)	C	MU	1129.14	1294.55	1145.79	1211.70	4792.65
Transmission and Distribution (T&D) loss Details	D	MU	597.86	777	535	573.61	2875.81
	E = D/B x 100	%	34.62%	38%	31.84%	32.13%	37.5%
Collection Efficiency	F	%	64%	80%	81%	96%	91%
Aggregate Technical & Commercial Loss	G = 1-{(1-E) x Min (F, 100%)	%	58%	50%	45%	35%	43%

5.2.3. Voltage wise AT&C losses

The voltage wise AT&C losses of JPDCL for FY 2021-22 are as shown in the below table:

Table 24: Voltage-wise AT&C Losses for FY 2021-22

S. No.	Particulars	Units	Values
1	**Losses in 132 KV System and Connected Equipment**		
1.a.	Total Energy delivered into 132 KV Distribution System from EHT SSs	MUs	7824.98
1.b.	Energy consumed by HT consumers at 132KV (Sales + Third Party)	MUs	
1.c.	Energy Delivered to lower voltage	MUs	7668.51
1.d.	**Losses (132 kV System)**	MUs	156.47
1.e.	**% Losses (132 kV System)**	%	2%
2	**Losses in 33 KV System and Connected Equipment**		
2.a.	Total Energy delivered into 33 KV Distribution System from EHT SSs	MUs	7668.51
2.b.	Energy consumed by HT consumers at 33KV (Sales + Third Party)	MUs	660.83
2.c.	Energy Delivered into 11 KV and LT System from 33/11 KV SSs	MUs	4131
2.d.	**Losses (33 kV System)**	MUs	2875.81
2.e.	**% Losses (33 kV System)**	%	37.50%
3	**Losses in 11 KV System and Connected Equipment**		
3.a.	Total Energy delivered into 11 KV and LT Distribution System	MUs	
3.b.	Energy consumed by HT consumers at 11KV (Sales + Third Party)	MUs	951
3.c.	Total Output from 11kV to LT	MUs	
3.d.	**Losses (11kV System)**	MUs	
3.e.	**% Losses (11kV System)**	%	
4	**Losses in LT system and connected equipment**		
4.a.	Energy delivered to LT system from 11/400 V DTRs	MUs	
4.b.	Energy sold at LT level	MUs	3180
4.c.	**Losses (LT System)**	MUs	

S. No.	Particulars	Units	Values
4.d.	**% Losses (LT System)**	%	
5	**Total losses in the Distribution System**		
5.a.	Total Input to the distribution system	MUs	7668.45
5.b.	Total Output from the Distribution System	MUs	4792.45
5.c.	**Distribution System Losses**	MU	2875.81
5.d.	**% Distribution System Losses**	%	37.50%

5.2.4. Circle wise AT&C losses analysis

1. Circle wise connections & energy consumptions for FY 2021-22

The circle wise connections, load, input energy & Billed energy with percentage share in different circle is given below the "Jammu" circle having maximum numbers of consumers and "Kishtwar" circle having minimum numbers of consumers. "Jammu" have maximum input energy as well as billed units and "kishtwar" have minimum input energy as well as billed units as shown in table:

Table 25: Circle wise No. of consumers, Input energy and Sales in FY 2021-22

Circle	Total Number of connections		Total Connected Load		Input energy		Billed energy	
	Nos.	% Share	MW	% Share	MU	% Share	MU	% Share
Jammu	378158	34%	1234.22	54%	3529.10	46.0%	2245.60	47%
Kathua	209172	19%	473.25	21%	1859.27	24.2%	1137.23	24%
Rajouri	192761	17%	157.94	7%	785.13	10.2%	508.03	11%
Batote	223467	20%	291.35	13%	951.17	12.4%	570.88	12%
Kishtwar	104137	9%	122.90	5%	543.78	7.1%	330.92	7%
Total	1107695	100%	2279.67	100%	7668.45	100.0%	4792.65	100%

2. Circle-wise AT&C losses

The circle wise AT&C losses are shown in the table below:

Table 26: Circle wise T&D losses, Collection Efficiency and AT&C losses for FY 2021-22

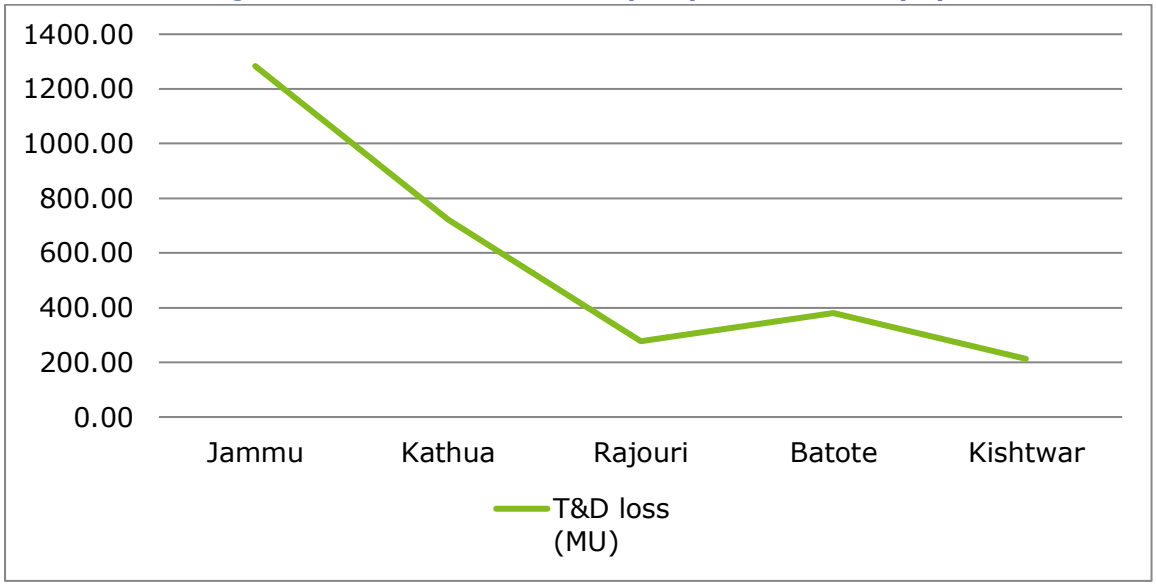
Name of Circle	Input energy (MU)	Billed energy (MU)	T&D loss		Collection Efficiency (%)	AT& C loss (%)
			(MU)	(%)		
Jammu	3529.10	2245.60	1283.5	36.37%	89.08%	43.32%
Kathua	1859.27	1137.23	722.042	38.83%	93.61%	42.75%
Rajouri	785.13	508.03	277.1	35.29%	98.49%	36.27%
Batote	951.17	570.88	380.299	39.98%	86.65%	47.99%
Kishtwar	543.78	330.92	212.864	39.15%	97.42%	40.72%
Total	7668.45	4792.65	2875.81	37.50%	90.78%	43.26%

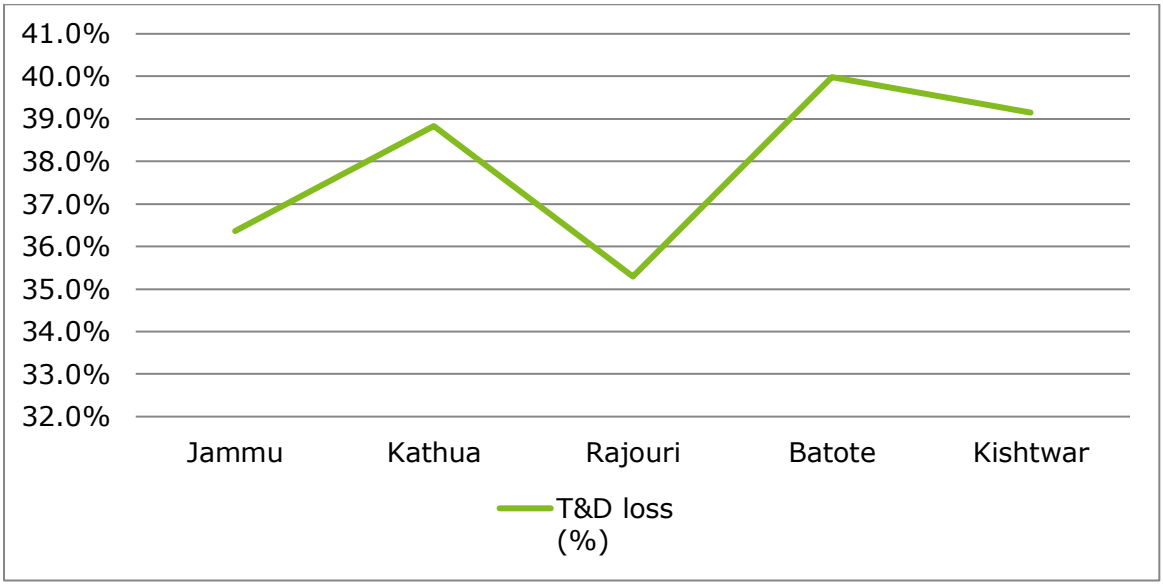
Note: *AT&C Losses calculation as per BEE proforma the calculation is as per actual Collection efficiency. JPDCL AT&C calculation is based on not more than 100% collection efficiency.*

3. High loss Circles

"Jammu" Circle had the highest T&D loss quantum of 1283.5 MUs & Batotre has T&D loss percentage of 39.98%. However, when T&D losses (MU) and T&D losses (%) are seen together then reducing T&D losses in "Jammu" Circle must be prioritized in order to have overall reduction in AT&C losses of the DISCOM. Further, the circles with high loss that needs to be prioritized can be identified from the below chart:

Figure 5: Circle wise T&D losses (MUs) Vs T&D losses (%)





Division wise AT&C losses analysis

4. Division-wise AT&C losses

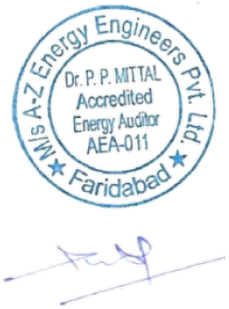
The Division wise AT&C losses are shown in the table below:

Table 27: Circle wise T&D losses, Collection Efficiency and AT&C losses for FY 2021-22

S.No	Name of circle	Circle code	Name of Division	Consumer category	Total Number of connections (Nos)	Total Connected Load (MW)	Input energy (MU)	Total Billed Energy (MU)	% of energy consumption	T&D loss (MU)	T&D loss (%)	Billed Amount in Rs. Crore	Collected Amount in Rs. Crore	Collection Efficiency (%)	AT & C loss (%)
1	Jammu	JPDCL-01	Electric Division-I, Jammu	Residential	47384	91.87	531.38	90.04	25%	165.332	31.11%	30.49	34.12	111.91%	
				Agricultural	85	0.73		0.17	0%			0.15	0.10	67.33%	
				Commercial/Industrial-LT	14512	30.74		80.90	22%			18.36	1.24	6.75%	
				Commercial/Industrial-HT	3	5.47		39.82	11%			0.27	0.13	48.15%	
				Others	776	72.21		155.11	42%			111.20	149.64	134.57%	
Sub-total					62760	201.02	531.38	366.05	100%	165.332	31.11%	160.47	185.23	115.43%	20.48%
2	Jammu	JPDCL-01	Electric Division-II, Jammu	Residential	129300	289.13	1868.15	284.25	25%	728.538	39.00%	122.50	87.51	71.44%	
				Agricultural	6215	28.82		39.62	3%			12.96	7.64	58.94%	
				Commercial/Industrial-LT	22545	132.63		129.25	11%			49.57	53.05	107.02%	
				Commercial/Industrial-HT	283	174.11		421.94	37%			182.78	183.21	100.24%	
				Others	946	46.07		264.55	23%			80.85	108.42	134.10%	
Sub-total					159289	670.76	1868.15	1139.61	100%	728.538	39.00%	448.66	439.83	98.03%	40.20%
3	Jammu	JPDCL-01	Electric Division-III, Jammu	Residential	133725	240.05	1129.57	332.20	45%	389.635	34.49%	98.25	79.27	80.68%	
				Agricultural	2620	15.91		121.13	16%			15.65	6.45	41.20%	
				Commercial/Industrial-LT	18487	50.34		59.60	8%			42.70	30.67	71.83%	
				Commercial/Industrial-HT	17	10.90		61.64	8%			13.76	4.55	33.08%	
				Others	1260	45.26		165.35	22%			149.50	81.52	54.53%	
Sub-total					156109	362.45	1129.57	739.94	100%	389.635	34.49%	319.85	202.46	63.30%	58.54%
4	Kathua	JPDCL-02	Electric Division-Vijaypur	Residential	60592	65.14	800.19	119.77	25%	312.577	39.06%	35.50	21.42	60.36%	
				Agricultural	7337	23.42		17.47	4%			4.94	1.82	36.92%	
				Commercial/Industrial-LT	10106	45.86		49.52	10%			23.14	18.53	80.09%	
				Commercial/Industrial-HT	166	87.97		175.74	36%			76.14	68.11	89.46%	
				Others	917	7.14		125.12	26%			43.88	63.76	145.30%	
Sub-total					79118	229.53	800.19	487.61	100%	312.577	39.06%	183.60	173.65	94.58%	42.36%
5	Kathua	JPDCL-02	Electric Division-Kathua	Residential	107357	81.99	1059.08	158.21	24%	409.465	38.66%	41.39	37.41	90.38%	
				Agricultural	5879	28.19		26.50	4%			4.00	8.30	207.42%	
				Commercial/Industrial-LT	15161	62.91		35.88	6%			20.39	21.67	106.31%	
				Commercial/Industrial-HT	134	60.11		359.76	55%			129.72	124.18	95.73%	
				Others	1523	10.52		69.27	11%			51.28	37.64	73.40%	

S.No	Name of circle	Circle code	Name of Division	Consumer category	Total Number of connections (Nos)	Total Connected Load (MW)	Input energy (MU)	Total Billed Energy (MU)	% of energy consumption	T&D loss (MU)	T&D loss (%)	Billed Amount in Rs. Crore	Collected Amount in Rs. Crore	Collection Efficiency (%)	AT & C loss (%)
Sub-total					130054	243.71	1059.08	649.62	100%	409.465	38.66%	246.78	229.20	92.88%	43.03%
6	Rajouri	JPDCL-03	Electric Division-Rajouri	Residential	101913	60.22	517.74	111.80	34%	191.62	37.01%	40.21	22.05	54.84%	
				Agricultural	235	1.91		24.60	8%			2.19	1.89	86.37%	
				Commercial/Industrial-LT	7537	17.39		55.12	17%			18.03	16.94	93.95%	
				Commercial/Industrial-HT	15	2.96		14.50	4%			2.79	1.45	51.97%	
				Others	981	13.35		120.10	37%			35.81	54.46	152.08%	
Sub-total					110681	95.83	517.74	326.12	100%	191.62	37.01%	99.03	96.79	97.74%	38.43%
7	Rajouri	JPDCL-03	Electric Division-Poonch	Residential	77025	40.10	267.39	73.87	41%	85.48	31.97%	23.36	11.70	50.09%	
				Agricultural	4	0.23		0.20	0%			0.48	0.00	0.00%	
				Commercial/Industrial-LT	4372	6.90		68.74	38%			19.50	5.34	27.38%	
				Commercial/Industrial-HT	9	0.18		0.00	0%			0.00	0.00	0.00%	
				Others	670	14.70		39.10	21%			7.40	33.67	455.00%	
Sub-total					82080	62.11	267.39	181.91	100%	85.48	31.97%	50.74	50.71	99.94%	32.01%
8	Batote	JPDCL-04	Electric Division-Udhampur	Residential	108018	93.60	398.00	78.51	29%	125.465	31.52%	19.63	26.70	136.02%	
				Agricultural	11	0.00		0.00	0%			0.00	0.00	0.00%	
				Commercial/Industrial-LT	11446	19.05		36.67	13%			14.67	18.76	127.88%	
				Commercial/Industrial-HT	26	7.50		14.82	5%			5.93	7.88	132.88%	
				Others	1116	46.46		142.54	52%			84.13	71.94	85.51%	
Sub-total					120617	166.61	398.00	272.54	100%	125.465	31.52%	124.36	125.28	100.74%	31.02%
9	Batote	JPDCL-04	Electric Division-Reasi	Residential	40969	32.35	290.93	57.27	40%	146.72	50.43%	16.78	13.10	78.07%	
				Agricultural	5	0.39		1.12	1%			2.31	0.00	0.00%	
				Commercial/Industrial-LT	6580	27.16		34.91	24%			21.04	18.31	87.02%	
				Commercial/Industrial-HT	0	0.64		4.18	3%			2.59	1.92	74.13%	
				Others	650	18.93		46.73	32%			64.56	44.24	68.53%	
Sub-total					48204	79.47	290.93	144.21	100%	146.72	50.43%	107.28	77.57	72.31%	64.16%
10	Batote	JPDCL-04	Electric Division-Batote	Residential	49995	30.55	262.24	91.56	59%	108.114	41.23%	24.24	13.41	55.32%	
				Agricultural	2	0.11		0.01	0%			0.00	0.00	0.00%	
				Commercial/Industrial-LT	4291	8.50		13.93	9%			5.91	5.43	91.88%	
				Commercial/Industrial-HT	0	2.02		3.15	2%			1.81	1.73	95.58%	
				Others	358	4.09		45.48	30%			31.59	32.36	102.44%	
Sub-total					54646	45.27	262.24	154.13	100%	108.114	41.23%	63.55	52.93	83.29%	51.05%
11	Kishtwar	JPDCL-05	Electric Division-Doda	Residential	47893	41.23	251.20	111.54	76%	104.78	41.71%	19.02	14.26	74.99%	
				Agricultural	0	0.00		0.00	0%			0.00	0.00	0.00%	
				Commercial/Industrial-LT	4930	10.08		26.52	18%			6.31	5.93	94.01%	
				Commercial/Industrial-HT	0	0.00		0.00	0%			0.00	0.00	0.00%	
				Others	670	3.78		8.36	6%			2.62	6.28	239.81%	

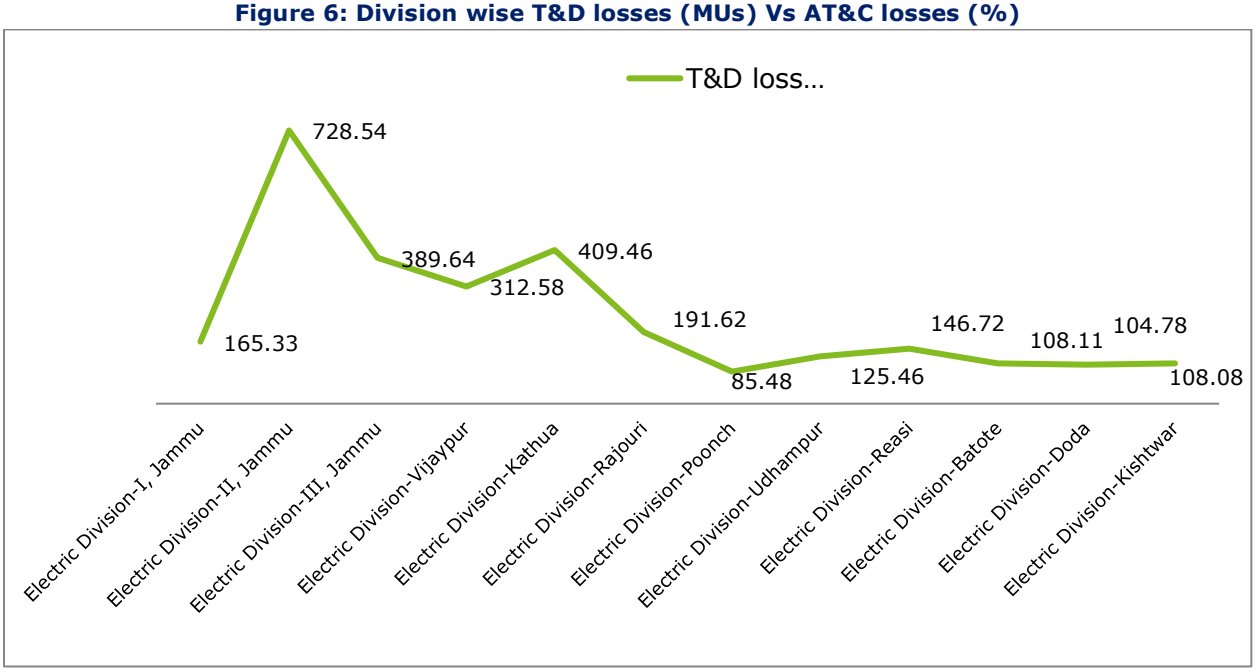
S.No	Name of circle	Circle code	Name of Division	Consumer category	Total Number of connections (Nos)	Total Connected Load (MW)	Input energy (MU)	Total Billed Energy (MU)	% of energy consumption	T&D loss (MU)	T&D loss (%)	Billed Amount in Rs. Crore	Collected Amount in Rs. Crore	Collection Efficiency (%)	AT & C loss (%)
Sub-total					53493	55.09	251.20	146.42	100%	104.78	41.71%	27.95	26.48	94.73%	44.78%
12	Kishtwar	JPDCL-05	Electric Division-Kishtwar	Residential	46979	48.08	292.58	120.14	65%	108.084	36.94%	15.26	12.17	79.77%	
				Agricultural	1	0.01		0.11	0%			0.00	0.00	0.00%	
				Commercial/Industrial-LT	3038	10.29		2.83	2%			0.44	0.14	31.29%	
				Commercial/Industrial-HT	9	0.72		1.53	1%			0.67	0.14	20.95%	
				Others	617	8.71		59.89	32%			21.24	24.94	117.43%	
Sub-total					50644	67.81	292.58	184.50	100%	108.084	36.94%	37.61	37.39	99.42%	37.31%
13	Total		JPDCL	Residential	951150	1114.32	7668.45	1629.17	34%	2875.81	37.50%	486.62	373.13	76.68%	
				Agricultural	22394	99.71		230.94	5%			42.68	26.20	61.39%	
				Commercial/Industrial-LT	123005	421.85		593.87	12%			240.06	196.02	81.65%	
				Commercial/Industrial-HT	662	352.58		1097.07	23%			416.45	393.31	94.44%	
				Others	10484	291.21		1241.59	26%			684.06	708.88	103.63%	
14			JPDCL	ALL CATEGORY	1107695	2279.67	7668.45	4792.65	100%	2875.81	37.50%	1869.87	1697.53	90.78%	43.26%



5. High loss divisions

"Electric Division-II Jammu" Division had the highest T&D loss quantum of 728.54 MU and "Electric Division Reasi" Division had the highest AT&C loss percentage of 64.16%. Further, the divisions with high loss that needs to be prioritized can be identified from the below chart:

Figure 6: Division wise T&D losses (MUs) Vs AT&C losses (%)



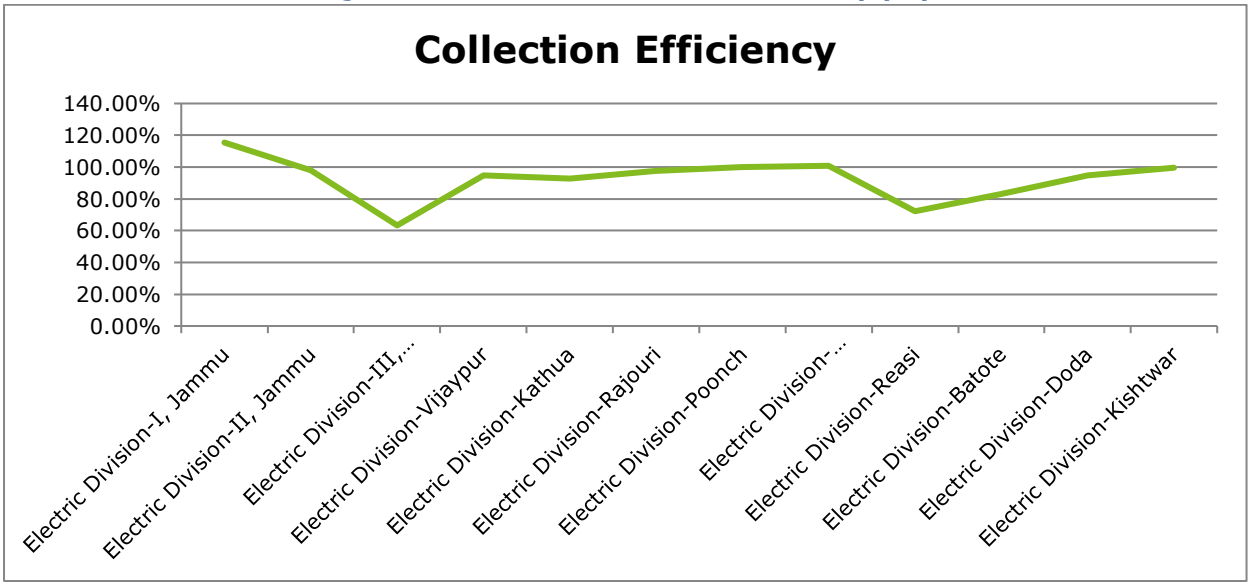
The list of top 12 Divisions with higher AT&C losses (%) & T&D losses (MU) identified from the above chart are tabulated below:

Table 28: Top 15 Divisions with higher AT&C losses (%) & T&D losses (MU)

S. No.	Division	T&D loss (MU)	AT&C loss (%)
1	Electric Division-I, Jammu	165.33	20.48%
2	Electric Division-II, Jammu	728.54	40.20%
3	Electric Division-III, Jammu	389.64	58.54%
4	Electric Division-Vijaypur	312.58	42.36%
5	Electric Division-Kathua	409.46	43.03%
6	Electric Division-Rajouri	191.62	38.43%
7	Electric Division-Poonch	85.48	32.01%
8	Electric Division-Udhampur	125.46	31.02%
9	Electric Division-Reasi	146.72	64.16%
10	Electric Division-Batote	108.11	51.05%
11	Electric Division-Doda	104.78	44.78%
12	Electric Division-Kishtwar	108.08	37.31%

Further, it was observed that the collection efficiency is more than 100% across 2 Divisions as shown below:

Figure 7: Division wise Collection efficiency (%)



5.2.5. Feeder wise AT&C losses analysis

1. Feeder wise AT&C losses

Sample Feeder wise AT&C loss sheet attached below table:

Zone	Name of the Station	Feeder Name	Type of Feeder	Received at Feeder (Final in MU)	Feeder Consumption (In MU)	T&D losses (MU)	AT&C losses (%)	T&D Loss (%)
Jammu	Parade 1x10 MVA	PG03	Urban	6.43	4.76	1.67	37.7%	26.00%
Jammu	Parade 1x10 MVA	PG04	Urban	9.25	5.63	3.62	39.1%	39.10%
Jammu	Parade 1x10 MVA	PG05	Urban	0.20	0.12	0.08	73.7%	39.09%
Jammu	New Sectt 2x10+1x3.15 MVA	combined NS03	Urban	8.68	6.36	2.33	29.9%	26.77%
Jammu	New Sectt 2x10+1x3.15 MVA	NS09	Urban	1.78	1.64	0.14	13.8%	7.87%
Jammu	New Sectt 2x10+1x3.15 MVA	NS11 PHE	Urban	6.28	5.12	1.16	47.5%	18.41%
Jammu	New Sectt 2x10+1x3.15 MVA	NS12	Urban	3.28	2.05	1.23	37.5%	37.55%
Jammu	Residency 1x10MVA + 1x6.3 MVA	RD01	Urban	9.23	5.75	3.48	37.7%	37.68%
Jammu	Residency 1x10MVA + 1x6.3 MVA	RD03	Urban	0.77	0.61	0.16	52.1%	20.57%
Jammu	Residency 1x10MVA + 1x6.3 MVA	RD05	Urban	0.95	0.65	0.30	88.3%	31.43%
Jammu	Co Bagh 2x10 MVA	CB02 PHE	Urban	3.99	3.73	0.27	40.4%	6.71%
Jammu	Wazarat Road 1x10 MVA	WZ01	Urban	4.01	2.71	1.30	35.4%	32.33%
Jammu	Wazarat Road 1x10 MVA	WZ02	Urban	1.08	0.90	0.18	27.6%	16.92%
Jammu	Residency 1x10MVA + 1x6.3 MVA	RD06	Urban	6.79	4.10	2.69	42.8%	39.54%
Jammu	Residency 1x10MVA + 1x6.3 MVA	RD02	Urban	4.57	2.62	1.95	44.8%	42.77%
Jammu	Denis Gate2x10 MVA	Combined DG02	Urban	4.73	3.35	1.37	29.0%	29.02%
Jammu	Denis Gate2x10 MVA	DG03	Urban	5.27	3.24	2.03	49.6%	38.55%
Jammu	Denis Gate2x10 MVA	DG04	Urban	0.32	0.26	0.05	24.3%	16.63%
Jammu	Residency 1x10MVA + 1x6.3 MVA	RD07	Urban	9.73	7.59	2.15	22.0%	22.05%
Jammu	New Sectt 2x10+1x 3.15 MVA	NS01	Urban	2.89	2.24	0.65	22.5%	22.50%
Jammu	New Sectt 2x10+1x 3.15 MVA	NS08	Urban	7.95	5.42	2.52	31.8%	31.76%
Jammu	New Sectt 2x10+1x 3.15 MVA	NS10	Urban	0.89	0.67	0.22	25.0%	24.99%
Jammu	New Sectt 2x10+1x 3.15 MVA	S-2	Urban	4.74	4.03	0.71	65.1%	15.00%
Jammu	SSH 1x6.3+1x10 MVA	SSH.1	Urban	3.03	2.49	0.54	17.8%	17.83%
Jammu	New Sectt 2x10+1x 3.15 MVA	NS05	Urban	11.96	8.26	3.71	38.2%	30.98%
Jammu	Canal 2x10 MVA	C 10 Rusa	Urban	4.41	3.48	0.93	21.1%	21.08%
Jammu	Canal 2x10 MVA	CA18	Urban	6.99	5.79	1.20	26.1%	17.15%
Jammu	Canal 2x10 MVA	CA22	Urban	7.34	5.37	1.97	26.8%	26.83%

Jammu	Shakti Nagar 1x6.3+1x 10 MVA	SHN 2	Urban	7.87	5.64	2.23	53.7%	28.35%
Jammu	Shakti Nagar 1x6.3+1x 10 MVA	SHN 1	Urban	7.55	5.29	2.25	29.9%	29.86%
Jammu	Company Bagh 2x10 MVA	CB03	Urban	7.66	5.93	1.73	29.0%	22.59%
Jammu	Medical 2x10+1x 6.3+3.15 MVA	M-5 PHE	Urban	6.10	5.03	1.07	27.1%	17.57%
Jammu	SSH 1x6.3+1x 10 MVA	SSH-2	Urban	0.95	0.75	0.20	21.1%	21.09%
Jammu	2x6.3 MVA	Palm Island SHN3	Urban	1.50	1.00	0.50	15.0%	33.33%
Jammu	2x10 MVA Dhounthly	D-3	Urban	8.31	6.00	2.32	27.9%	27.86%
Jammu	2x10 MVA Dhounthly	D-6	Urban	3.56	2.29	1.27	35.6%	35.59%
Jammu	Manda 1x10 MVA	MD.3	Urban	7.87	4.87	3.00	44.8%	38.11%
Jammu	Manda 1x10 MVA	MD.4	Urban	7.40	4.58	2.82	38.1%	38.05%
Jammu	2x10 MVA Dhounthly	D-1	Urban	1.70	0.50	1.20	25.0%	70.59%
Jammu	2x10 MVA Dhounthly	D-2	Urban	6.61	4.00	2.61	39.5%	39.46%
Jammu	2x10 MVA Dhounthly	D-4	Urban	7.98	5.83	2.15	27.0%	26.95%
Jammu	2x10 MVA Dhounthly	D-5	Urban	7.82	4.29	3.54	45.2%	45.22%
Jammu	Wazarat	WZ-3	Urban	3.81	2.64	1.17	30.6%	30.59%
Jammu	Dhounthly 2x10 MVA	D-7	Urban	0.41	0.31	0.10	25.0%	25.00%
Jammu	Manda 1x10 MVA	MD-2	Urban	9.75	5.84	3.91	50.4%	40.07%
Jammu	Janipur 3x10 MVA	J-1	Urban	7.98	5.00	2.99	45.2%	37.40%
Jammu	Janipur 3x10 MVA	J-12	Urban	1.47	1.08	0.39	26.5%	26.47%
Jammu	Janipur 3x10 MVA	J-15	Urban	2.68	1.96	0.72	26.8%	26.77%
Jammu	Janipur 3x10 MVA	J-16	Urban	5.70	3.62	2.07	36.4%	36.38%
Jammu	New subash Nagar 1x10 MVA	NSN-4	Urban	3.98	2.49	1.49	37.3%	37.34%
Jammu	1x6.3 MVA (sidhra)	Sidhra-I	Urban	11.05	7.87	3.19	30.3%	28.82%
Jammu	1x6.3 MVA (sidhra)	Sidhra -2	Urban	8.08	5.46	2.61	32.4%	32.36%
Jammu	1x6.3 MVA (sidhra)	Sidhra -3	Urban	0.11	0.07	0.04	100.0%	39.01%
Jammu	1x6.3 MVA (sidhra)	Sidhra -4	Rural	1.64	1.29	0.35	21.4%	21.40%
Jammu	1x6.3 MVA (sidhra)	Sidhra -5		1.27	0.94	0.33	26.1%	26.10%
Jammu	2x6.3 MVA =1x10 MVA (bahu fort)	BF06 (P)	Rural	4.25	2.50	1.75	41.2%	41.22%
Jammu	1x6.3 MVA Malhori Jagir	MJ01	Rural	5.23	3.00	2.23	46.0%	42.66%
Jammu	1x6.3 MVA Malhori Jagir	MJ02	Rural	8.58	4.36	4.22	55.6%	49.24%
Jammu	Bajalta	BJ-1	Rural	0.23	0.16	0.08	71.9%	32.48%
Jammu	Bajalta	BJ-2	Rural	0.69	0.48	0.22	78.4%	31.16%
Jammu	2.63 MVA	Bamyal BAO1 (F5)	Rural	5.90	3.31	2.59	67.2%	43.95%
Jammu	2.10 MVA Jagti	Bamyal-II BMYL	Rural	7.41	4.20	3.20	68.9%	43.28%
Jammu	Jhajjar Kotli 1x3.15 MVA	Jhajjar Kotli JK0T	Rural	2.60	1.36	1.24	57.1%	47.60%
Jammu	Jhajjar Kotli 1x3.15 MVA	Nandani Dansal DNAD	Rural	4.07	3.09	0.97	39.0%	23.94%
Jammu	Dansal 1x3.15+1x6.3 MVA	Kanyala KNYL	Rural	4.01	2.19	1.82	60.3%	45.34%
Jammu	Nagrota Toll post 1x10 MVA	Kattal Battal KBTL	Rural	5.99	2.74	3.25	69.2%	54.31%
Jammu	Nagrota Toll post 1x10 MVA	Nagrota NG01	Urban	15.68	10.42	5.25	61.5%	33.51%
Jammu	Nagrota-II (Jagti) 2x10 MVA	Jagti-Local (F06)	Urban	6.27	3.71	2.56	50.2%	40.85%
Jammu	Nagrota-II (Jagti) 2x10 MVA	Panjgrian (F-8)	Rural	5.29	2.83	2.46	47.4%	46.55%
Jammu	Nagrota-II (Jagti) 2x10 MVA	Migrant F-1	Rural	2.53	1.53	1.00	100.0%	39.46%
Jammu	Dansal 1x3.15+1x6.3 MVA	Dansal DNSL	Rural	4.23	2.42	1.81	56.4%	42.82%
Jammu	Jindhrah 1x6.3 MVA	Jandrah JIND	Rural	8.62	4.49	4.13	56.0%	47.89%
Jammu	Jindhrah 1x6.3 MVA	Jandrah Dansal JNDN	Rural	2.03	1.40	0.63	35.1%	31.06%
Jammu	Jindhrah 1x6.3 MVA	Surinsar SURI	Rural	4.54	2.95	1.59	34.9%	34.95%

2. Identify high loss feeders

Sample High loss Feeder wise AT&C loss sheet attached below table:

Zone	Name of the Station	Feeder Name	Type of Feeder	Received at Feeder (Final in MU)	Feeder Consumption (In MU)	T&D losses	AT&C losses
Batote	Dairy Farm	Dedicated PTC	Dedicated	1.08	1.08	0.00	96.24
Kathua	Nandpur	Chamblayal	Agriculture	5.52	0.54	82.72	90.32
Kathua	Ramgarh town	SM Pur	Mixed	5.08	1.62	78.15	88.13
Batote	Ramsoo	Nachilana	Rural	7.66	4.79	154.56	87.68
Batote	Sar Bagga	Baddar	Mixed	0.50	0.09	82.98	85.81
Batote	Ransoo	Shiv Khori	Rural	0.49	0.11	77.45	85.25
Kathua	Rangoor	Rangoor	Agriculture	2.61	0.61	0.00	84.54
Kishtwar	4.0 MVA Ganika	Kashtigarh	Rural	8.01	5.51	42.46	84.48
Kathua	Rangoor	Kamore	Mixed	6.76	3.00	67.92	84.01
Kathua	Nandpur	Jerda	Mixed	9.33	1.73	81.92	83.46
Kathua	Ramgarh town	Abtal	Mixed	5.19	1.66	70.05	83.04
Kathua	Ramgarh town	Nanga	Mixed	6.04	2.07	71.45	81.76
Kathua	Ramgarh town	Dadyal	Mixed	4.04	1.47	73.04	81.72
Batote	Trintha Reasi	Salal	Dedicated	2.56	2.56	0.00	81.38
Kathua	Vijaypur	Koulpur	Mixed	4.61	4.72	73.01	80.45
Batote	Arnas	Chinkha	Mixed	4.35	1.75	59.72	80.06
Batote	Banihal	Sherbibi	Rural	7.19	4.85	157.30	79.75
Batote	Puria Pouni	Talwara	Rural	7.31	4.64	36.50	78.52
Batote	Champa	MES	Rural/Dedicated	1.68	1.16	84.76	77.50
Batote	Dharmari	Mahore Back	Mixed	4.37	1.35	69.21	76.69
Kishtwar	6.3 MVA Behli Ghat	Bharat	Rural	9.93	6.59	64.10	75.77
Kathua	Rangoor	Barota	Mixed	7.32	3.06	67.59	75.61
Kishtwar	2(10MVA) R/ Station Kishtwar	11KV Hospital feeder	Dedicated for Hospital	2.18	1.98	0.20	75.00
Batote	Ransoo	Bharakh Back	Rural	5.81	3.43	40.97	74.89
Batote	Tara Kote	Old Vaishno Devi	Mixed	10.42	2.98	71.37	74.21
Batote	Katra	Aghar Jitoo	Rural	5.85	1.69	71.07	73.53
Batote	Gammon Harog	Gammon Harog	Rural (Dedicated)	2.16	2.08	122.67	71.18
Batote	Katra	Chintamani	Mixed	11.10	3.35	60.80	70.76
Batote	Trintha Reasi	Rural Reasi	Rural	10.69	5.31	50.39	70.29
Kishtwar	6.30 MVA R/ Station Batyas	11KV Bhatoli feeder	Rural	7.44	4.24	3.21	69.75
Batote	Sar Bagga	Mohore	Mixed	2.16	1.00	53.64	69.18
Batote	Sangaldan	Sangaldan	Rural	5.83	2.87	85.05	69.15
Batote	Panthal	Searly	Rural	6.27	2.48	60.41	68.97
Batote	Trintha Reasi	Katra Back	Rural	10.46	5.39	48.45	68.94
Kishtwar	5.0 MVA Premnagar	Mahalla	Rural	5.78	3.84	57.96	68.69
Batote	Tara Kote	Katra Back	Urban	3.11	0.98	68.63	68.63
Kishtwar	6.3 MVA Behli Ghat	Dashnan	Rural	2.72	1.88	4.30	67.90
Batote	Trintha Reasi	Reasi	Mixed	13.77	6.26	54.55	67.65
Batote	Sar Bagga	Gulab Garah	Mixed	2.41	1.14	52.78	67.49
Batote	Arnas	Arnas	Mixed	5.98	3.17	47.00	67.34
Batote	Sar Bagga	Chasana	Mixed	5.88	2.76	53.10	66.96
Kishtwar	10 MVA R/Station Thathri	11KV Jangalwar feeder	Rural	5.81	3.34	2.47	66.75
Kishtwar	6.30 MVA R/ Station Changa	11KV Dhonsa feeder	Rural	4.04	2.28	1.76	65.75
Batote	Trintha Reasi	PHE	Dedicated	3.11	2.19	29.52	65.65
Batote	Dharmari	Thuroo	Mixed	5.08	2.29	54.98	65.62
Batote	Katra	Kotli Bajalin	Rural	6.64	2.95	55.59	65.59
Batote	Panthal	Sukhal Gati	Rural	0.89	0.31	65.47	65.47

Zone	Name of the Station	Feeder Name	Type of Feeder	Received at Feeder (Final in MU)	Feeder Consumption (In MU)	T&D losses	AT&C losses
Kathua	Ramgarh town	Mahal	Mixed	3.09	2.09	60.39	65.27
Kishtwar	10 MVA R/Station Thathri	11KV Saroor feeder	Rural	6.61	2.81	3.80	65.25
Kishtwar	6.30 MVA R/ Station Changa	11KV Soti feeder	Rural	5.46	3.45	2.01	65.00
Kishtwar	3.15 MVA Dhara	Dhara	Rural	2.78	1.95	47.44	64.46
Kishtwar	3.15 MVA Marmat	Magota	Rural	6.94	4.19	4.03	64.43
Batote	Maitra	Old Chanderkote	Rural	3.97	2.00	80.91	64.18
Batote	Battal	Majalta	Rural	6.63	5.28	20.31	64.13
Kishtwar	5.0 MVA Premnagar	Premnagar	Rural	3.40	2.24	53.15	63.69
Kishtwar	3.15 MVA R/Station Ekhala Dachhan	11KV Dachhan Feeder	Rural	8.08	3.31	4.76	63.50
Kathua	Vijaypur	Bandral	Mixed	7.66	2.50	63.74	63.44
Kishtwar	2x10 MVA Doda	Essential (Sattelite)	Urban	2.54	2.24	56.79	63.21
Kishtwar	6.30 MVA R/ Station Batyas	11KV Jakyas feeder	Rural	4.25	2.38	1.87	6275.0%
Kishtwar	2x10 MVA Doda	City-III Doda	Urban	1.93	1.38	62.54	62.54
Batote	*Panthal*	Panthal	Rural	1.42	0.64	55.24	61.26
Kishtwar	2(10MVA) R/ Station Kishtwar	PHE Essential	Dedicated for PHE	1.90	1.88	0.02	61.25
Kishtwar	6.30 MVA R/ Station Changa	11 Changa feeder	Rural	3.27	2.06	1.22	61.00
Batote	Sangaldan	Thatharka	Rural	6.32	2.66	80.98	60.30
Kishtwar	4.0 MVA Ganika	Sazan	Rural	2.45	1.70	49.69	60.09
Kishtwar	2x10 MVA Doda	Koti	Rural	5.32	3.69	50.87	60.06
Batote	Katra	Kun	Urban	14.19	7.41	47.81	60.04
Kishtwar	10 MVA R/Station Thathri	11kv Ekhala Feeder	Rural	0.44	0.23	0.21	59.75
Kishtwar	10 MVA R/Station Thathri	11KV Kahara Bunjwah feeder	Rural	14.13	7.14	6.99	59.75
Batote	Dadoa	DP3 Kalidhar	Rural	1.72	1.45	15.75	59.24
Batote	Dharmari	Arnas Back	Mixed	1.25	0.67	46.61	58.95
Batote	Puria Pouni	Bharkh	Rural	5.20	2.96	43.20	58.23
Batote	Puria Pouni	Pouni	Rural	5.62	3.27	41.92	57.89
Batote	Dadoa	DP1 PHE	Rural	0.29	0.15	46.53	57.50
Batote	Maitra	Karol	Rural	6.66	2.49	56.50	57.05
Batote	Jhajjar Kotli	Moori	Rural	4.27	1.84	56.97	56.97
Batote	Tara Kote	New Vaishno Devi	Mixed	6.71	2.89	56.92	56.92
Batote	Trintha Reasi	Mahadev	Mixed	12.24	6.61	45.97	56.63
Kishtwar	2x10 MVA Doda	City-I Doda	Urban	14.29	9.98	44.87	56.49
Batote	Navayuga	Navayuga	Dedicated	6.28	6.28	0.00	55.00
Kishtwar	10.00MVA R/Station Dadpeth	11KV Thakrie feeder	Rural	5.20	2.86	2.34	55.00
Kishtwar	10 MVA R/Station Thathri	11KV Thathri feeder	Mixed	9.17	6.24	2.94	54.50
Batote	Gammon Gool	Gammon Gool	Rural (Dedicated)	2.98	2.86	146.50	54.29
Kishtwar	2(10MVA) R/ Station Kishtwar	11KV Mandal feeder	Mixed	18.60	16.52	2.08	54.25
Kishtwar	5.0 MVA R/Station Gandoh	11KV Chancer & Shingani feeder	Rural	5.13	3.23	1.90	54.25
Kathua	Rangoor	BSF	BSF	0.43	0.43	58.63	54.18
Batote	Banihal	Bankoot	Rural	4.71	3.47	112.38	53.95
Kishtwar	2x10 MVA Doda	Assar (Khellani)	Rural	4.60	3.10	39.33	53.66
Kishtwar	10.00MVA R/Station Dadpeth	11KV Palmar feeder	Rural	6.80	4.18	2.62	53.50
Batote	Dadoa	DP2 Laiter	Rural	0.74	0.41	43.93	53.28

Zone	Name of the Station	Feeder Name	Type of Feeder	Received at Feeder (Final in MU)	Feeder Consumption (In MU)	T&D losses	AT&C losses
Batote	Tentha	Ghordi	Rural	2.36	1.48	53.12	53.12
Kishtwar	3.15 MVA R/Station Padyarna	11KV Dool Feeder	Rural	5.96	4.90	1.06	52.50
Kishtwar	3.15 MVA R/Station Sarthal	11KV Kuntwara feeder	Rural	5.49	4.50	0.99	52.25
Kishtwar	3.15 MVA R/Station Sarthal	11KVA Mandir feeder	Rural	4.81	4.10	0.71	51.75
Kishtwar	10.00MVA R/Station Dadpeth	11KV Chatroo feeder	Rural	13.66	6.67	7.00	51.75
Kishtwar	5.0 MVA R/Station Gandoh	11KV Rajpora feeder	Rural	4.95	3.42	1.53	51.75
Batote	Ramkot	Manwal-I	Rural	5.79	4.73	18.41	51.08
Batote	Ransoo	Ransoo	Rural	1.70	1.25	26.04	51.05
Kishtwar	3.15 MVA R/Station Paddar	11KV Atholi feeder	Rural	3.67	2.40	1.27	51.00
Kishtwar	2(10MVA) R/ Station Kishtwar	11KV Hasti feeder	Mixed	5.05	4.48	0.57	50.75
Batote	Katra	Railway (Kunportion)	Urban	3.71	1.83	50.67	50.67
Kishtwar	10.00 MVA R/ Station Mandal	11KV Cherhar	Rural	3.64	3.10	0.54	50.50
Batote		Satyalta	Rural	3.57	2.19	50.41	50.41
Kishtwar	10.00 MVA R/ Station Mandal	11KV Poochal	Mixed	6.92	5.83	1.09	50.00
Kishtwar	3.15 MVA R/Station Padyarna	11KV Ghalhar Feeder	Rural	2.18	1.86	0.31	50.00
Batote	Ukhral	Paristan	Rural	3.98	2.54	82.20	49.54
Kishtwar	10.00 MVA R/ Station Mandal	11KV Hullar/Pohie Feeder	Rural	4.21	3.73	0.48	49.25
Kishtwar	13 MVA R/Station Dadpeth	11KV Kurya-feeder	Rural	3.05	1.74	1.31	48.75
Batote	Champa	Dharmound Siraj	Rural	5.66	1.93	56.68	48.61
Batote	Dhuna	Dhuna dudu	Rural	5.60	2.63	45.35	48.51
Kishtwar	3.15 MVA R/Station Paddar	11KV Gulabgarh feeder	Rural	2.33	1.92	0.42	48.25
Batote	Dharmari	Dharmari	Mixed	2.24	1.17	47.88	47.88
Kishtwar	3.15 MVA R/Station Paddar	11 kv Machail feeder	Rural	1.02	0.90	0.13	47.33
Batote	Deima	Pardai Feeder	Rural	2.04	1.30	36.51	46.82
Batote	Leighton	ILFS	Dedicated	7.98	7.98	41.59	46.79
Batote	Pathi	Pancheri Lander	Rural	4.13	2.22	46.26	46.26
Kishtwar	5.0 MVA R/Station Gandoh	11KV Dadkaie feeder	Rural	2.75	2.01	0.74	45.25
Batote	Jakhani	Pakhlai	Rural	1.62	0.67	40.54	45.03
Batote	Johnu	Chanunta	Rural	2.98	1.90	45.01	45.01
Kishtwar	3.15 MVA Dhara	Malwana	Rural	1.81	1.28	4.11	44.36
Batote	Katra	Jammu Road	Urban	11.17	7.87	29.59	44.07
Batote	Ukhral	Pogal	Rural	3.72	2.49	80.66	43.83
Batote	Phalata	Rehamble	Urban	8.89	6.72	24.40	43.74
Kishtwar	2x10 MVA Doda	City-II Doda	Urban	14.07	9.90	25.28	43.48
Kishtwar	3.15 MVA R/Station Padyarna	11KV Bhattan Feeder	Rural	0.45	0.39	0.07	43.25
Batote	Sangaldan	Afcon/ Railways	Rural	0.53	0.53	47.74	43.13
Batote	Ramsoo	Old Ukhral	Rural	3.02	1.83	58.66	42.91
Kishtwar	4.0 MVA Ganika	Bhagwah	Rural	5.44	3.80	41.93	41.93
Batote	Sudhmahadev	Bashat	Rural	0.47	0.44	41.03	41.03
Kishtwar	2(10MVA) R/ Station Kishtwar	11KV Shrine feeder	Mixed	1.07	0.96	0.11	41.00
Kishtwar	2(10MVA) R/ Station	11KV Hidyal	Mixed	1.28	1.16	0.12	41.00

Zone	Name of the Station	Feeder Name	Type of Feeder	Received at Feeder (Final in MU)	Feeder Consumption (In MU)	T&D losses	AT&C losses
	Kishtwar	feeder					
Kathua	Ramgarh town	Ramgarh	Mixed	5.508	3.60	50.42	4074.0%
Batote	Maitra	Essential Ramban	Urban	1.41	0.61	46.90	39.93
Batote	Panthal	Sundrani	Rural	1.84	1.13	38.80	38.80
Batote	Majouri	Siamary	Rural	0.44	0.28	38.68	38.68
Batote	GuraKalyal	Garh Samnabanj	Rural	0.76	0.49	37.26	37.26
Batote	Gool	New Gool	Rural	3.06	1.61	54.42	36.79
Batote	Gammon	Gammon	Dedicated	1.78	1.78	35.64	35.64
Batote	Ramnagar	City	Urban	7.95	5.57	35.10	35.10
Batote	Ukhral	Ukhral New	Rural	2.45	1.58	51.21	34.91
Batote	chenani	Chenani	Urban	4.07	2.64	34.44	34.44
Batote	Neeli Nallaha	Kalta + Thathi	Rural	3.67	2.41	34.38	34.38
Kishtwar	3.15 MVA Dhara	Gundna	Rural	4.38	3.08	2.32	32.92
Batote	Champa	Essential	Mixed	0.44	0.39	36.99	32.81
Batote	Gool	Dachan-Deeda	Rural	2.50	1.52	42.96	32.81
Batote	Trintha Reasi	Bidda	Rural	5.40	3.63	32.73	32.73
Batote	Katra	Katra	Urban	7.62	5.93	22.10	31.70
Batote	Champa	Assar	Rural	3.31	1.42	37.81	31.30
Batote	Basantgarh	Basantgarh	Rural	0.74	0.42	29.97	29.97
Batote	Panthal	Trikuta Agro	Industrial	0.75	0.54	28.79	28.79
Batote	Ramsoo	Ramsoo	Rural	1.65	1.17	38.02	27.74
Batote	33/11 KV Jakhani	Power House	Urban	4.63	3.36	27.49	27.49
Batote	Trintha Reasi	Police/Hospital	Dedicated	1.25	1.19	5.28	26.69
Batote	33 KV Patnitop	Gandolla	Rural/Dedicated	0.22	0.20	26.58	26.58
Batote	Sangaldan	Old Gool	Rural	2.47	1.16	33.32	25.83
Kishtwar	TLMD Udhampur	33 KV NHPC	Bulk Dedicated	11.31	11.31	0.00	25.75
Batote	Chanderkote	Rajgarh	Rural	2.72	1.57	94.69	25.54
Batote	ABCI Tatnihal	ABCI Tatnihal	Dedicated	0.78	0.78	25.39	25.39
Batote	Dairy Farm	Garhi	Rural	5.74	4.29	25.21	25.21

5.2.6. Identify overloaded segments/ infrastructure

UL (Under loaded): 20% of kVA rating for more than 90% of time where peak kVA < 40% of kVA rating

OL (Overloaded): 95% of kVA rating for at least half an hour

UB (Unbalanced): Relative phase wise unbalance is > 150% or < 50% and peak kVA of the transformer is at least 50% of kVA rating.

Energy meters are installed at each voltage level for energy consumption. The readings are taken manually.

The energy reading of commercial and Industrial consumers, Distribution transformer readings are downloaded by the appropriate software for billing and analysis.

There is 66.66% conventional metering available at consumers. Also JPDCL has claimed that there is 17.72% metering at DTs transformers.

The energy consumed by JPDCL offices, receiving stations is also metered and accounted.

5.3. Subsidy computation and analysis (based on quarterly data)

The quarter wise subsidy details during FY 2021-22 are shown in the table below:

Table 29: Quarter wise – Division wise subsidy details

Division	Category	Energy billed (MU)	Subsidized energy billed (MU)	Tariff (Rs./kWh)	Subsidy per Unit (Rs./kWh)	Total Subsidy amount (Rs. Cr.)	Subsidy received	Balance Subsidy
		1	2	3	4	5=2x4	6	7 = 5-6
1	**Quarter - 1**							
	Residential							
	Agricultural							
	Commercial/ Industrial – LT							
	Commercial/ Industrial – HT							
	Other (specify)							
	Sub-Total (Division)							
n	**Quarter - 1**							
	Residential							
	Agricultural							
	Commercial/ Industrial – LT							
	Commercial/ Industrial – HT							
	Other (specify)							
	Sub-Total (Division)							
1	**Quarter - 2**							
	Residential							
	Agricultural							
	Commercial/ Industrial – LT							
	Commercial/ Industrial – HT							
	Other (specify)							
	Sub-Total (Division)							
n	**Quarter - 2**							
	Residential							
	Agricultural							
	Commercial/ Industrial – LT							
	Commercial/ Industrial – HT							
	Other (specify)							
	Sub-Total							

Division	Category	Energy billed (MU)	Subsidized energy billed (MU)	Tariff (Rs./kWh)	Subsidy per Unit (Rs./kWh)	Total Subsidy amount (Rs. Cr.)	Subsidy received	Balance Subsidy
	(Division)							
1	**Quarter - 3**							
	Residential							
	Agricultural							
	Commercial/ Industrial – LT							
	Commercial/ Industrial – HT							
	Other (specify)							
	Sub-Total (Division)							
1	**Quarter - 4**							
	Residential							
	Agricultural							
	Commercial/ Industrial – LT							
	Commercial/ Industrial – HT							
	Other (specify)							
	Sub-Total (Division)							
	Annual (FY 22)							
	Residential	1629.17						
	Agricultural	230.939						
	Commercial/ Industrial – LT	593.872						
	Commercial/ Industrial – HT	1097.07						
	Other (specify)	1241.59						
	Total (Discom)	4792.95						

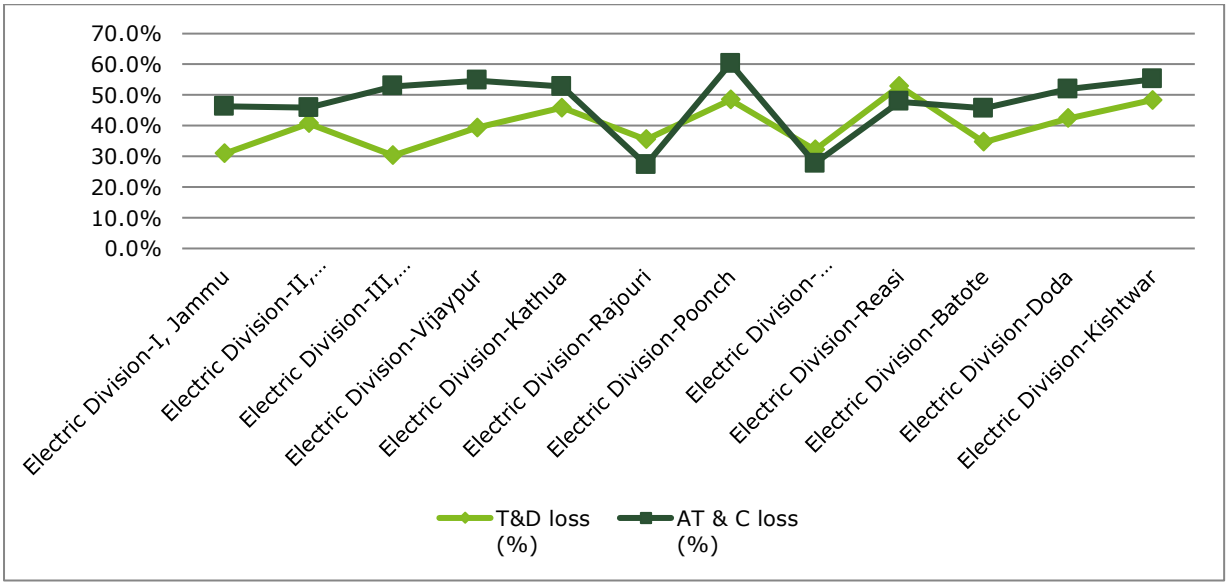
5.4. Trend analysis and identification of key exceptions

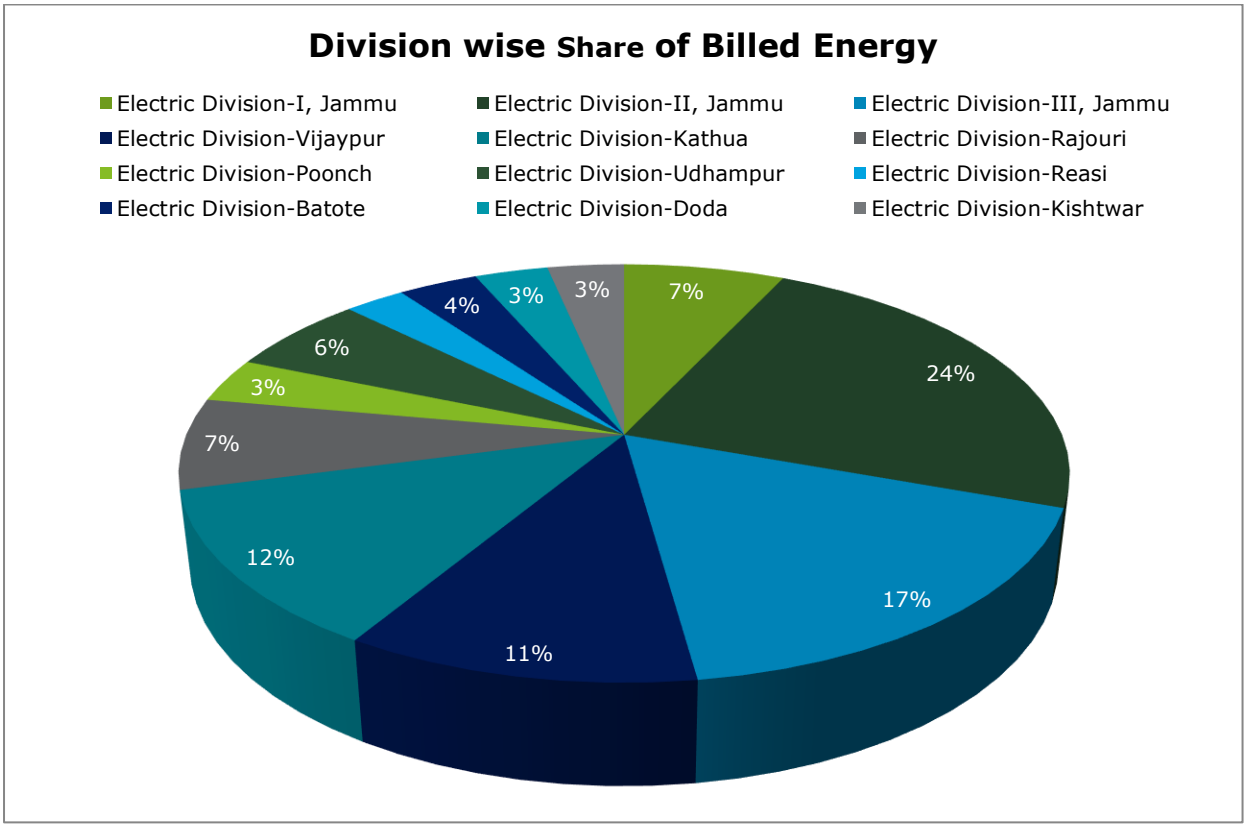
Details maybe specified such as performance of DISCOM in FY 2020-21 Vs FY2021-22, annually comparison, circle wise analysis, where the DISCOM has improved and where needs improvement, etc.

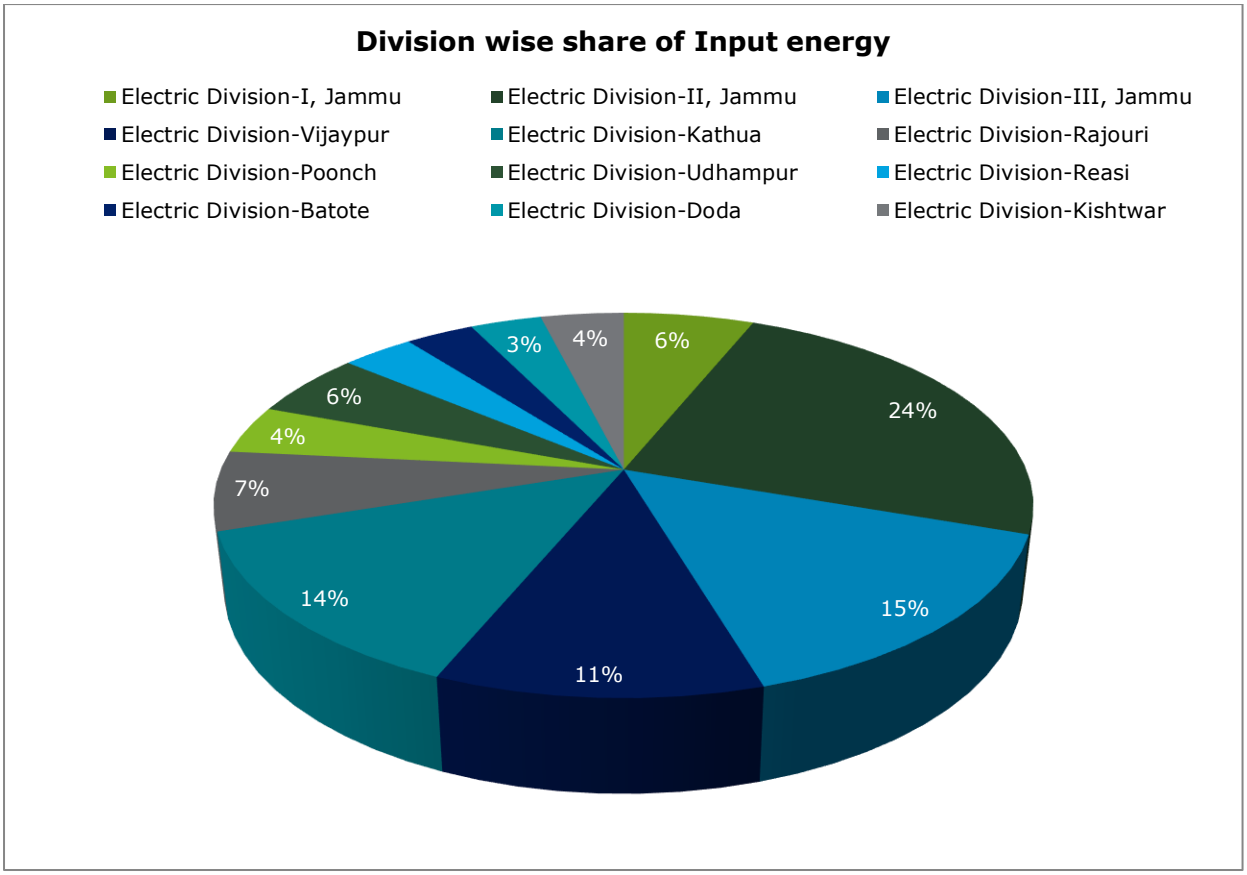
Previous Year Trend of Division Wise Consumer, Connected Load, Input energy & Billed Units for this FY-2020-21 is shown in below Table

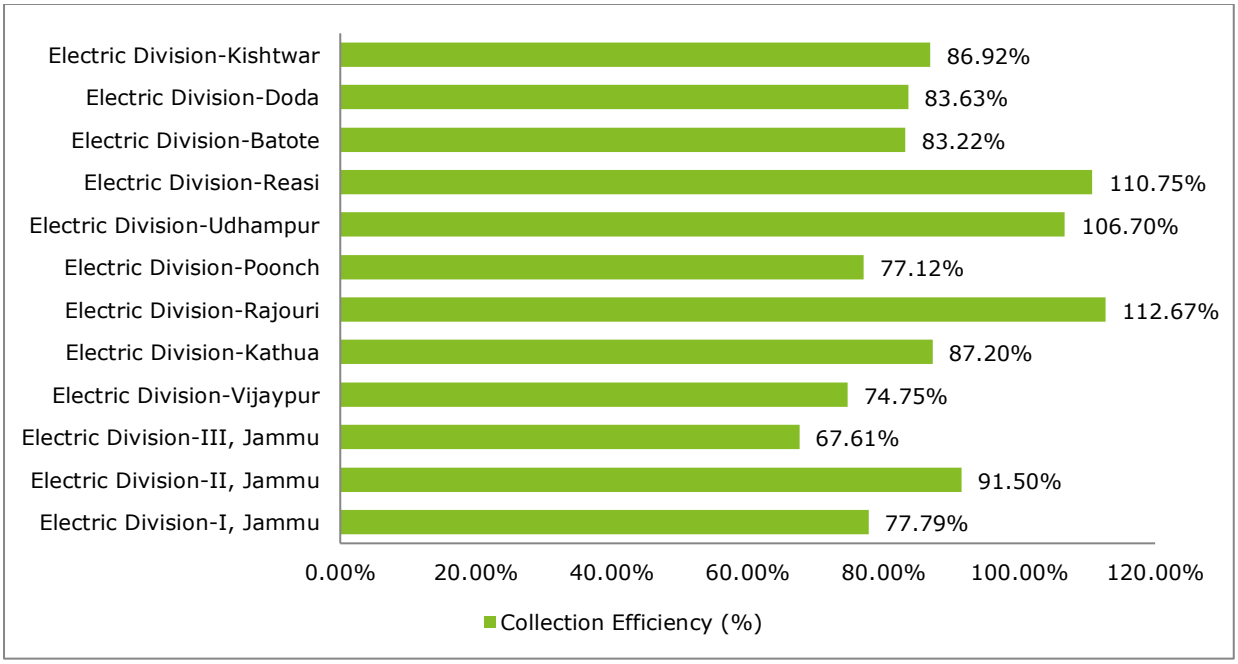
Name of Division	Connections (Nos)	% of connections	Load (MW)	% of Load	Input energy (MU)	Billed Energy (Mus)	% of energy consumption
Electric Division-I, Jammu	61478	5.7%	196.31	9.1%	440.03	304.10	7.0%
Electric Division-II, Jammu	153598	14.2%	643.83	29.7%	1731	1025.48	23.5%
Electric Division-III, Jammu	151766	14.1%	343.68	15.9%	1080	752.97	17.3%
Electric Division-Vijaypur	76863	7.1%	217.04	10.0%	779.66	472.36	10.8%
Electric Division-Kathua	126595	11.7%	234.39	10.8%	977.13	529.51	12.2%
Electric Division-Rajouri	108903	10.1%	91.89	4.2%	476.03	307.16	7.1%
Electric Division-Poonch	81734	7.6%	61.21	2.8%	291.53	150.20	3.4%
Electric Division-Udhampur	118591	11.0%	150.26	6.9%	391.445	265.31	6.1%
Electric Division-Reasi	45489	4.2%	73.54	3.4%	242.982	114.47	2.6%
Electric Division-Batote	52570	4.9%	40.61	1.9%	230.603	150.73	3.5%
Electric Division-Doda	52246	4.8%	51.40	2.4%	240.79	138.62	3.2%
Electric Division-Kishtwar	49367	4.6%	60.73	2.8%	280.82	145.05	3.3%
	1079200	100%	2164.87	100%	7162.02	4355.96	100%

Name of Division	T&D loss (MU)	T&D loss (%)	Billed Amount in Rs. Crore	Collected Amount in Rs. Crore	Collection Efficiency	AT & C loss (%)
Electric Division-I, Jammu	135.93	30.9%	171.98	133.79	77.79%	46.2%
Electric Division-II, Jammu	705.52	40.8%	433.53	396.68	91.50%	45.8%
Electric Division-III, Jammu	327.03	30.3%	254.57	172.10	67.61%	52.9%
Electric Division-Vijaypur	307.30	39.4%	181.25	135.48	74.75%	54.7%
Electric Division-Kathua	447.62	45.8%	220.85	192.59	87.20%	52.7%
Electric Division-Rajouri	168.87	35.5%	86.82	97.81	112.67%	27.3%
Electric Division-Poonch	141.33	48.5%	56.11	43.27	77.12%	60.3%
Electric Division-Udhampur	126.14	32.2%	101.99	108.82	106.70%	27.7%
Electric Division-Reasi	128.51	52.9%	64.47	71.40	110.75%	47.8%
Electric Division-Batote	79.87	34.6%	48.24	40.15	83.22%	45.6%
Electric Division-Doda	102.17	42.4%	27.80	23.25	83.63%	51.9%
Electric Division-Kishtwar	135.77	48.3%	39.97	34.74	86.92%	55.1%
	2806.06	39%	1687.57	1450.08	85.93%	47.7%


70.0%
60.0%
50.0%
40.0%
30.0%
20.0%
10.0%
0.0%
Electric Division-I, Jammu
Electric Division-II,...
Electric Division-III,...
Electric Division-Vijaypur
Electric Division-Kathua
Electric Division-Rajouri
Electric Division-Poonch
Electric Division-...
Electric Division-Reasi
Electric Division-Batote
Electric Division-Doda
Electric Division-Kishtwar
T&D loss (%)
AT & C loss (%)

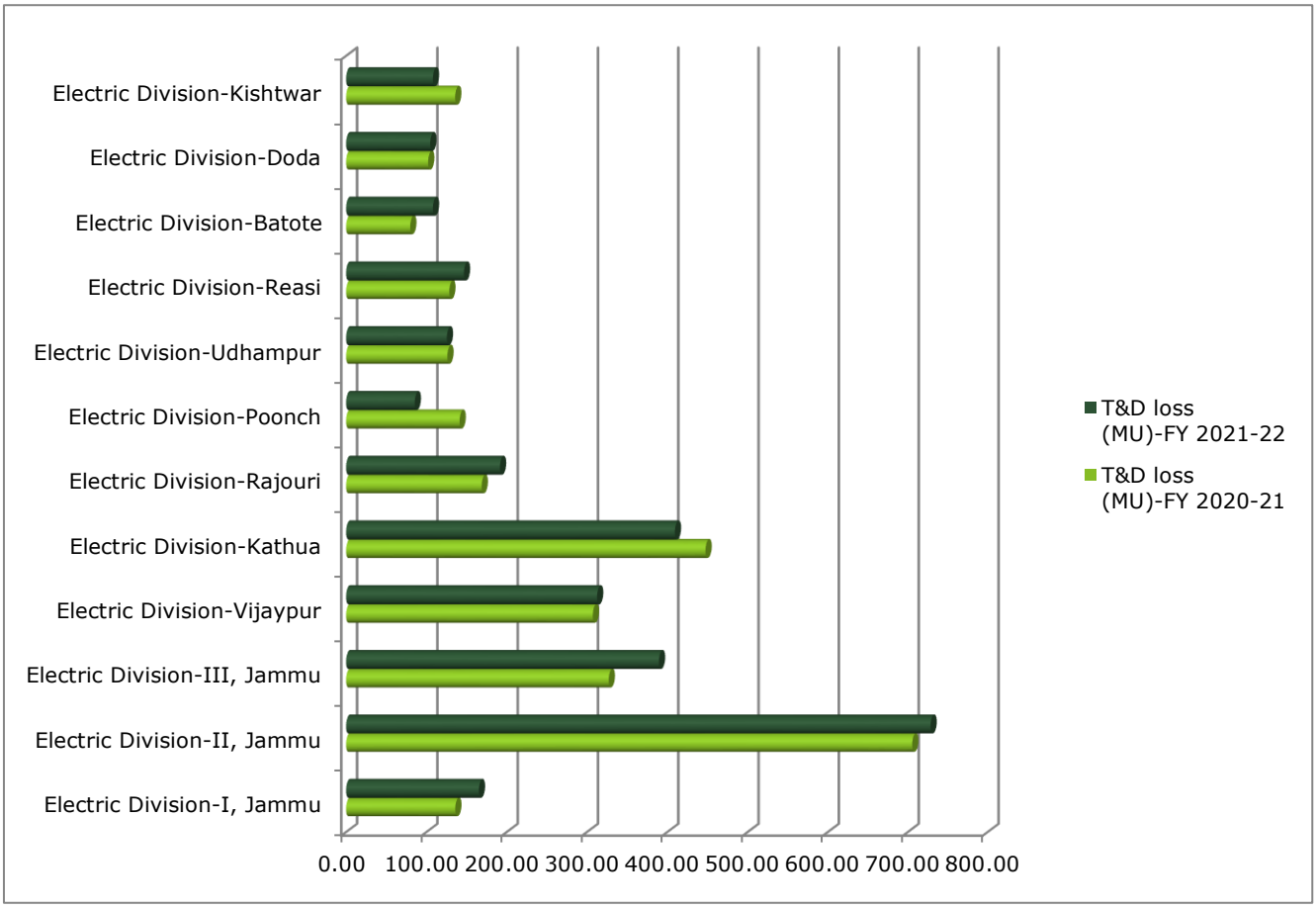

Division wise Share of Billed Energy
Electric Division-I, Jammu
Electric Division-II, Jammu
Electric Division-III, Jammu
Electric Division-Vijaypur
Electric Division-Kathua
Electric Division-Rajouri
Electric Division-Poonch
Electric Division-Udhampur
Electric Division-Reasi
Electric Division-Batote
Electric Division-Doda
Electric Division-Kishtwar
7%
24%
17%
11%
12%
7%
3%
6%
4%
3%
3%


Division wise share of Input energy
Electric Division-I, Jammu
Electric Division-II, Jammu
Electric Division-III, Jammu
Electric Division-Vijaypur
Electric Division-Kathua
Electric Division-Rajouri
Electric Division-Poonch
Electric Division-Udhampur
Electric Division-Reasi
Electric Division-Batote
Electric Division-Doda
Electric Division-Kishtwar
6%
24%
15%
11%
14%
7%
4%
6%
3%
4%


Electric Division-Kishtwar
86.92%
Electric Division-Doda
83.63%
Electric Division-Batote
83.22%
Electric Division-Reasi
110.75%
Electric Division-Udhampur
106.70%
Electric Division-Poonch
77.12%
Electric Division-Rajouri
112.67%
Electric Division-Kathua
87.20%
Electric Division-Vijaypur
74.75%
Electric Division-III, Jammu
67.61%
Electric Division-II, Jammu
91.50%
Electric Division-I, Jammu
77.79%
0.00%
20.00%
40.00%
60.00%
80.00%
100.00%
120.00%
Collection Efficiency (%)

Current Year Trend of Division Wise Consumer, Connected Load, Input energy & Billed Units for this FY-2021-22 is shown in below Table

Name of Division	Total Number of connections (Nos)	% of number of connection	Total Connected Load (MW)	% of connected load	Input energy (MU)	Total Billed energy (MU)	% of energy consumption
Electric Division-I, Jammu	62760	5.7%	201.0	9%	531.38	366.05	7.6%
Electric Division-II, Jammu	159289	14.4%	670.8	29%	1868.15	1139.61	23.8%
Electric Division-III, Jammu	156109	14.1%	362.5	16%	1129.57	739.94	15.4%
Electric Division-Vijaypur	79118	7.1%	229.5	10%	800.19	487.61	10.2%
Electric Division-Kathua	130054	11.7%	243.7	11%	1059.08	649.62	13.6%
Electric Division-Rajouri	110681	10.0%	95.83	4%	517.74	326.12	6.8%
Electric Division-Poonch	82080	7.4%	62.11	3%	267.39	181.91	3.8%
Electric Division-Udhampur	120617	10.9%	166.6	7%	398.00	272.54	5.7%
Electric Division-Reasi	48204	4.4%	79.5	3%	290.93	144.21	3.0%
Electric Division-Batote	54646	4.9%	45.3	2%	262.24	154.13	3.2%
Electric Division-Doda	53493	4.8%	55.09	2%	251.20	146.42	3.1%
Electric Division-Kishtwar	50644	4.6%	67.81	3%	292.58	184.50	3.8%
Total	**1107695**	**100%**	**2279.67**	**100%**	**7668.45**	**4792.65**	**100%**



Name of Division	Input energy (MU)	Total Billed energy (MU)	T&D loss (MU)	T&D loss (%)	Billed Amount in Rs. Crore	Collected Amount in Rs. Crore	Collection Efficiency (%)	AT & C loss (%)
Electric Division-I, Jammu	531.38	366.05	165.33	31.1%	160.47	185.23	115.43%	20.5%
Electric Division-II, Jammu	1868.15	1139.61	728.54	39.0%	448.66	439.83	98.03%	40.2%
Electric Division-III, Jammu	1129.57	739.94	389.64	34.5%	319.85	202.46	63.30%	58.5%
Electric Division-Vijaypur	800.19	487.61	312.58	39.1%	183.60	173.65	94.58%	42.4%
Electric Division-Kathua	1059.08	649.62	409.46	38.7%	246.78	229.20	92.88%	43.0%
Electric Division-Rajouri	517.74	326.12	191.62	37.0%	99.03	96.79	97.74%	38.4%
Electric Division-Poonch	267.39	181.91	85.48	32.0%	50.74	50.71	99.94%	32.0%
Electric Division-Udhampur	398.00	272.54	125.46	31.5%	124.36	125.28	100.74%	31.0%
Electric Division-Reasi	290.93	144.21	146.72	50.4%	107.28	77.57	72.31%	64.2%
Electric Division-Batote	262.24	154.13	108.11	41.2%	63.55	52.93	83.29%	51.0%
Electric Division-Doda	251.20	146.42	104.78	41.7%	27.95	26.48	94.73%	44.8%
Electric Division-Kishtwar	292.58	184.50	108.08	36.9%	37.61	37.39	99.42%	37.3%
Total	**7668.45**	**4792.65**	**2875.81**	**37.5%**	**1869.87**	**1697.53**	**90.78%**	**43.3%**

6. Energy Audit findings

6.1. Review of capacity of DISCOM's energy accounting and audit wing

The Energy Accounting/Audit wing in the DISCOM has been established on 16-03-2023. The Organogram of the DISCOM is as shown below:

Figure 8: Organogram of Energy accounting wing in the DISCOM

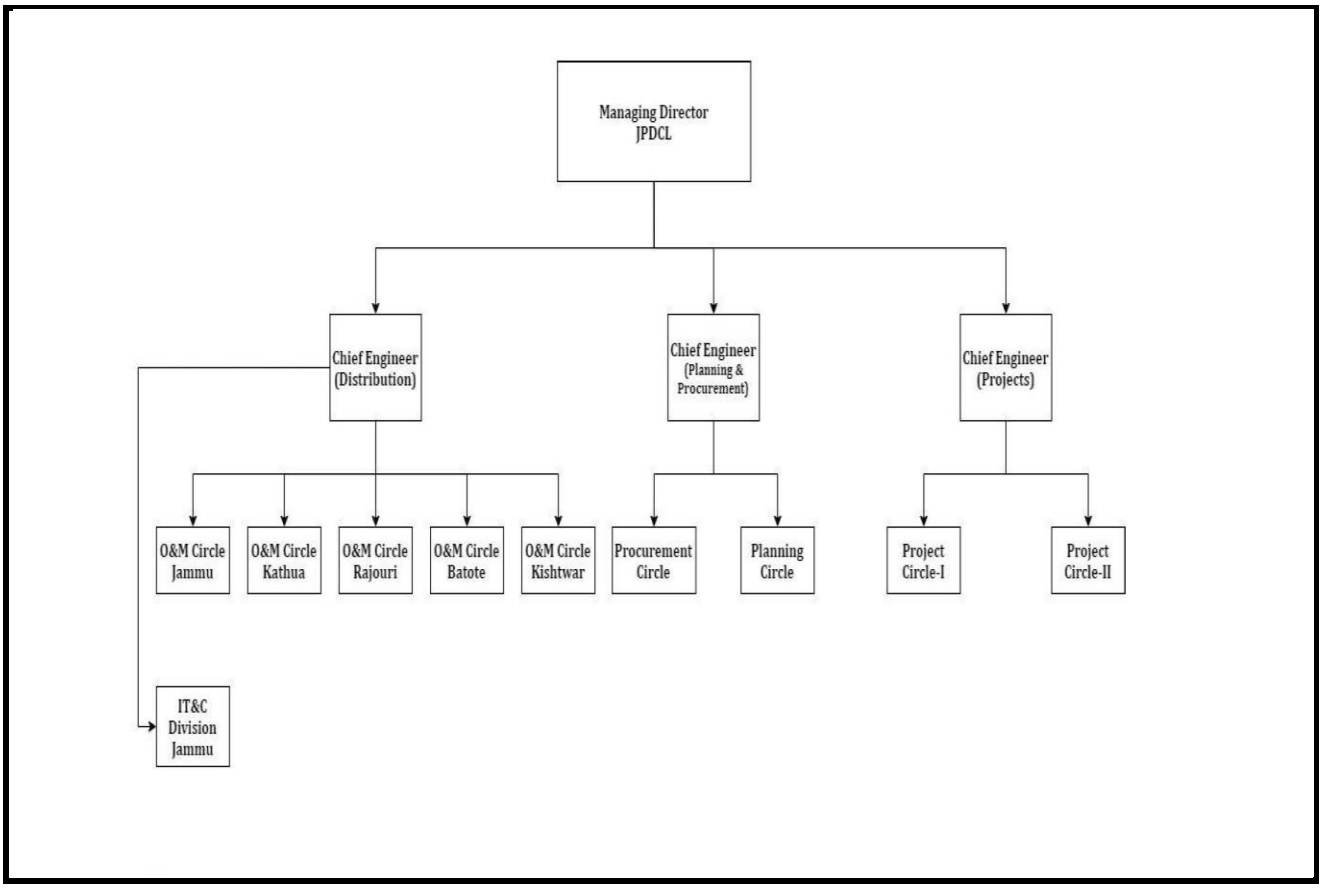


Table 30: Details of energy manager and Authorized signatory of DISCOM

Designation	No. of Officers
Chief Engineer (Distribution), JPDCL.	Er. Sandeep Seth
Superintending Engineer, (O&M Circle-Jammu) JPDCL, Jammu.	Er. Rajinder Gupta
Executive Engineer, (Direction Office) JPDCL, Jammu.	Er. Sushma Rani
Assistant Executive Engineer, Technical Section (Direction Office) JPDCL, Jammu.	Er. Sanjay Karihaloo
Junior Engineer, Technical Section (Direction Office) JPDCL, Jammu.	Er. Deepak Malhotra
Junior Engineer, Technical Section (Direction Office) JPDCL, Jammu.	Er. Navketan Kerni

6.2. Critical Analysis

- Verified transmission losses, distribution (T&D) losses, collection efficiency & aggregate technical & commercial losses of JPDCL for FY2021-22, i.e., 1st April 2021 to 31st March 2022 is 2%, 37.5%, 91% & 43% respectively.
- JPDCL calculation methodology of AT&C Losses calculated on not more than 100% collection efficiency.
- The electrical energy which is supplied by various interstate Purchase power agreement at 220 KV, 132KV, 33 KV and same is supplied to customers at 220 KV, 132 KV, 33 KV, 11 KV, 400V and 230 V single phase.
- JPDCL has 66.66%conventional metering at consumer end and 17.7% conventional metering available at DT.
- JPDCL is a very vast distribution network having 5 numbers of circles, 18 numbers of divisions, 67 numbers of sub-division, 1348 number of feeders, 41871 number of DTs and 1107695 numbers of consumers.
- JPDCL is provided the Feeder wise Input Energy, Feeder wise billed energy furnished after completion of mapping at each feeder.
- At the time of field visit it was found that at maximum substation the average power factor is above 0.95, which is satisfactory.
- Some of the meters were found faulty and CT/PT ratio is at a working condition.
- Capacitor bank is already installed at some of the substation.
- At present HT/LT ratio of DISCOM is 0.41.
- Need to improve HT/LT ratio by providing (High Voltage Distribution System) HVDS system.

6.2.1. Status and progress in compliance to pre-requisites to energy accounting

This Energy Audit report is being issued within the timeline stipulated in Regulations and hence no further comments from Energy Auditor with regards to this aspect.

It was observed that there has been significant delay in submission of Quarterly Accounts during four Quarters (i.e., Q1, Q2, Q3 and Q4 of FY 2021-22) the Quarterly accounts within the timeframe stipulated in the Regulations. Further, the compliance with regards to Regulations and Pre-requisites are tabulated in the table below:

Table 31: Compliance status w.r.t Timelines and Pre-requisites

Clause	Details	Sub-Clause	Criteria	Compliance Status
3	Intervals of time for	a	Conducted an annual energy audit for every financial year and	Yes

Clause	Details	Sub-Clause	Criteria	Compliance Status
	conduct of annual energy audit		submitted the annual energy audit report to the Bureau and respective State. Designated Agency and also made available on the website of the electricity distribution company within a period of four months from the expiry of the relevant financial year	
4	Intervals of time for conduct of periodic energy accounting.	a	All feeder wise, circle wise and division wise periodic energy accounting is conducted by the energy manager of the electricity distribution company for each quarter of the financial year.	Circle wise and division wise periodic energy accounting is conducted by the energy manager of the electricity distribution company for each quarter of the financial year.
		b	All feeder wise, circle wise and division wise periodic energy accounting is conducted by the energy manager of the electricity distribution company for each quarter of the financial year.	circle wise and division wise periodic energy accounting is conducted by the energy manager of the electricity distribution company for each quarter of the financial year
		c	Electricity distribution company conducted its first periodic energy accounting, for the last quarter of the financial year immediately preceding the date of such commencement (i.e., 6thOctober 2021)	Yes
		d	Electricity distribution company conducted its subsequent periodic energy accounting for each quarter of the financial year for a period of two financial years from the date of such commencement and submits the periodic energy accounting report within sixty days from the date of periodic energy accounting.	Yes
5	Pre-requisites for annual energy audit and periodic energy accounting	a	Pre-requisites for annual energy audit and periodic energy accounting	Yes
		b	Identification and mapping of high tension and low-tension consumers	Yes
		c	Development and implementation of information technology enabled energy accounting and audit system, including associated software	Under planning stage
		d	Electricity distribution company ensures the installation of functional meters for all consumers, transformers and feeders. Meter installation is done	Under planning stage

Clause	Details	Sub-Clause	Criteria	Compliance Status
			in a phased manner within a period of three financial years from the date of the commencement of these regulations in accordance with the trajectory set out in the First Schedule d.1. 100% Communicable Feeder Metering integrated with AMI, by 31st December 2022 along with replacement of existing non-communicable feeder meters.	
			d.2. All Distribution Transformers (other than HVDS DT up to 25kVA and other DTs below 25 kVA) shall be metered with communicable meters. Communicable DT Metering for the following areas/ consumers to be completed by December 2023 and in balance areas by December 2025:	Under planning stage
			d.2.1. All Electricity Divisions of 500 AMRUT cities, with AT&C Losses > 15%	Under planning stage
			d.2.2. All Union Territories (for areas with technical difficulty, non-communicable meters may be installed)	Under planning stage
			d.2.3. All Industrial and Commercial consumers	Under planning stage
			d.2.4. All Government offices at Block level and above	Under planning stage
			d.2.5. Other high loss areas i.e., rural areas with losses more than 25% and urban areas with losses more than 15%	Under planning stage
			d.3. Prepaid Smart Consumer Metering to be completed for all directly connected meters and AMR in case of other meters, by December 2023 in the following areas: d.3.1. All Electricity Divisions of 500 AMRUT cities, with AT&C Losses > 15%;	Under planning stage
			d.3.2. All Union Territories (for areas with technical difficulty, prepaid meters to be installed);	N/A
			d.3.3. All Industrial and Commercial consumers;	Under planning stage
			d.3.4. All Government offices at Block level and above;	Under planning stage
			d.3.5. Other high loss areas i.e., rural areas with losses more than 25% and urban areas with losses more than 15%.	Under planning stage
			d.4. Consumer Metering: 98% by FY 2022-23 99% by FY 2023-24	Under planning stage

Clause	Details	Sub-Clause	Criteria	Compliance Status
			d.5. Targets for functional meters - Meter FY 22-23 FY 23-24 FY24-25 Feeder metering 98.5% 99.5% 99.5% DT metering 90% 95% 98% Consumer metering 93% 96% 98	Under planning stage
		e	e.1. All distribution transformers (other than high voltage distribution system up to 25kVA and other distribution system below 25 kVA) is metered with communicable meters.	Under planning stage
			e.2. And existing non communicable distribution transformer meters is replaced with communicable meters and integrated with advanced metering infrastructure.	Under planning stage
		f	Electricity distribution company has established an information technology enabled system to create energy accounting reports without any manual interference and such systems may be within a period of three years from the date of the commencement of these regulations in case of urban and priority area consumers; and within five years from the date of the commencement of these regulations in case of rural consumers	Under planning stage
		g	Electricity distribution company has a centralized energy accounting and audit cell comprising of (i) a nodal officer, an energy manager and an information technology manager, having professional experience of not less than five years; and (ii) a financial manager having professional experience of not less than five years	Yes
6	Reporting requirements for annual energy audit and periodic energy accounting	a	Electricity distribution company has a nodal officer, who is a full-time employee of the electricity distribution company in the rank of the Chief Engineer or above, for the purpose of reporting of the annual energy audit and periodic energy accounting and communicate the same to the Bureau	Yes
		B	Electricity distribution company ensures that the energy accounting data is generated from a metering system or till such time the metering system is not in	Yes

Clause	Details	Sub-Clause	Criteria	Compliance Status
			place, by an agreed method of assumption as may be prescribed by the State Commission.	
		C	Metering of distribution transformers at High Voltage Distribution System up to 25KVA is done on cluster meter installed by the electricity distribution company	Under planning stage
		D	The energy accounting and audit system and software is developed to create monthly, quarterly and yearly energy accounting reports.	Under planning stage
		C	Electricity distribution company has provided the details of the information technology system in place as specified in clause (f) of regulation 5 that ensures minimal manual intervention in creating the energy accounting reports and any manual intervention of any nature, in respect of the period specified therein, shall be clearly indicated in the periodic energy accounting report	Under planning stage

6.2.2. Data gaps

The Audit firm has raised the data gaps to the DISCOM. The summary of data gaps raised and response from DISCOM is summarized in the table below:

Table 32: Summary of Data gaps

S. No.	Data gaps raised by Energy Auditor	Response shared by DISCOM	Status of data submission by DISCOM
1	DT Wise losses is nor in account.	DT wise mapping is under process.	

6.2.3. Summary of key responses of DISCOM management on Comments by Energy Auditor

The Auditor has identified the key issued with regards to Energy Accounting/Audit and DISCOM's management has responded to the same as summarized in the table below:

Table 33: Comments by Energy Auditor and responses of DISCOM management

S. No.	Comments by Energy Auditor	Response of DISCOM's management
1	Kindly provide the identification and mapping of all of the electrical network assets.	Division Wise schematic were shown
2	Kindly provide the identification and mapping of high tension and low-	Schematic maps for 11kV feeder were Shown.

S. No.	Comments by Energy Auditor	Response of DISCOM's management
	tension consumers	
3	Feeder wise losses are not in account.	Feeder wise mapping is under process.
4	DT wise losses is not is account	DT wise metering is under process.
5	Kindly provide the details of the energy accounting data - generated from a metering system or till such time the metering system is not in place, by an agreed method of assumption as may be prescribed by the State Commission	
6	Whether the Metering of distribution Transformers at High Voltage Distribution System up to 25KVA is done on cluster metering? If not what is the action plan	No HVDS installation
7	Energy (Electrical) Purchase report for the year 2020-21	Provided by JPDCL
9	Open access consumer and their details	No Open access consumers.
10	Energy sold outside the discom	No Energy sold outside
11	Energy Conservational Schemes implemented	Not Provided
12	Energy conservational Schemes to be Implemented	Not Provided
14	Quarter wise report	Provided

6.3. Revised findings based on data validation and field verification

JPDCL officials responded to the data gaps and the plan for the site visit with Accredited Energy Auditor was prepared. The field visits were conducted in the month of May 2023. The schedule of the visits is as follows. Details along with Photo are enclosed in annexure

1. Network diagram of the few feeders with high loss checked
2. The condition of the conductor and the reason for the loss were discussed.
3. The input point meter serial number validation is carried out.
4. The sending end voltage level. It is injection point of the JPDCL
5. The energy accounting process validated for each circle.
6. Input energy data cross verification.
7. Metering points and their energy break up.
8. Check list submitted to the JPDCL and data gaps of the submitted data explained.

9. It was also observed that most of substation power factor is not in operation.
10. At the time of field visit it was found that at maximum substation the average power factor is above 0.95, which is satisfactory.
11. Some of the meters were found faulty and CT/PT ratio is at a working condition.
12. Need to survey and replace conductor of proper capacity.
13. Need to cut tree branches touching to conductors.
14. Need to tighten the jumpers.

6.4. Inclusions and Exclusions

NA

7. Conclusion and Action Plan

7.1. Summary of critical analysis and way forward proposed by Energy Auditor

The primary energy-consuming areas are the distribution network, the office buildings, and the fleet of vehicles used for maintenance and repairs. The distribution network accounts for the majority of energy consumption, followed by office buildings and vehicles.

7.1.1. Areas of Inefficiencies:

- **Distribution Network:** The energy consumption of the distribution network is higher than industry standards. The primary reasons for this are the aging infrastructure and lack of modern technology.
- **AT&C Loss:** it very high (43.26%) as compared to national average of 15.5%. The main reason of high AT&C losses is billing efficiency, which is around 62.49%.
- **LT/HT Ratio:** Increasing HT lines can help in reducing both line losses and voltage drops. Efforts should be made to achieve a low LT/HT ratio, which would be very beneficial for improving efficiency of power distribution in the JPDCL.

7.1.2. Recommendations:

- The division wise excel sheet shall be automated via some software and the respective changes in the field in order to maintain the supply and meter faults, etc. shall be updated in the software on timely basis.
- 33/11kV Substation monitoring system shall be implemented. It shall monitor the loading of Transformer, Substations Battery and Feeders. It shall have the capability to show online data.
- Normal high loss distribution transformers should be replaced with star rating distribution transformer in phase manner.
- Normal conventional meter should be replaced with communicable prepaid smart meters.
- Augmentation of existing transformers at overloaded segments.
- Replacement or strengthening of conductor at overloaded segments is recommended.
- Recommended to provide aerial bunch conductor at theft prone area.
- Recommended to provide AMR meters for all HT installations.
- The DTR meter reading shall be AMR based and shall be increased. Proper Monitoring of the DTR meters shall be done.
- During off-peak periods, JPDCL is expected to minimize the no load losses by maintaining optimal loading of transformers by configuring its network in such a manner that reliability of supply is also not compromised.

7.1.3. Cost-Benefit Analysis:

To determine the cost-effectiveness of the recommended measures, a cost-benefit analysis should be conducted. The cost of implementing the measures should be compared to the potential energy savings to determine the return on investment. This analysis will help the company prioritize the implementation of the recommended measures.

In conclusion, the energy audit of the electricity distribution company revealed several areas of inefficiencies in energy consumption. The recommended measures, including upgrading the infrastructure, modernizing the HVAC systems, promoting employee awareness, and improving the fleet of vehicles, will help to improve energy efficiency and reduce energy consumption. Conducting a cost-benefit analysis will help the company to prioritize the implementation of these measures. Overall, the implementation of these measures will improve the company's energy efficiency, reduce energy consumption, and lower energy costs.

7.2. Summary of key findings – energy balance and losses

The Energy balance and losses of JPDCL for FY 2021-22 are as shown in the table below:

Table 34: Energy balance and losses

Energy Input Details	Formula	UoM	Value
Input Energy Purchase (From Generation Source)	A	MU	7824.98
Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	B	MU	7668.45
Total Energy billed (is the Net energy billed, adjusted for energy traded))	C	MU	4792.65
Transmission and Distribution (T&D) loss Details	D	MU	2875.81
	E = D/B x 100	%	37.50%
Collection Efficiency	F	%	90.78%
Aggregate Technical & Commercial Loss	G = 1-{(1-E) x Min (F,100%)	%	43.26%

7.3. Recommendations and best practices

a) Energy accounting

JPDCL has independent energy audit wing consist of Commercial, technical, IT and Account officers. As per BEE guidelines quarterly energy audit report is being prepared and uploaded by audit team. Shri Er. Rajinder Gupta (S.E.) is given charge of energy manager of DISCOM. Annual audit is done by accredited energy auditor.

- Development of IT Tool for automatic collection of data and compilation of energy account through IT&C Division of JPDCL.
- Demand supply management to prevent overloading.

b) Loss reduction

- Replacement of Bare LT Conductor with AB cable.
- Replacement of old outlived DTs with Energy Efficient Level-2 DTs.
- Improving HT:LT ratio.

c) Energy conservation

i. Awareness camps organised at Sub-Divisional level to advice consumers to use 5-star rated energy efficient appliances.

ii. Encouraging Consumers to opt roof top solar energy panels.

7.4. Action plan for line loss reduction

Following energy conservation Measures (ECMs) is adopted for line loss reduction

1. Installation of Smart Meters.
2. Installation of Automatic Power factor controller (Capacitor Bank).
3. System improvement & automation.
4. Improvement in metering system.
5. Replacing of conventional/ non star rated transformer into energy efficient transformers.
6. Replacement of all conventional mechanical energy meters with static digital energy meters having less power consumption and more accuracy.
7. Laying of AB cable in theft prone area where loss are in higher side.
8. HVD system to reduce low tension line losses.
9. Replacing warn out /Under sized conductors.
10. Increase in HT/LT Ratio.
11. Preventive & Periodic maintenance of line & transformer.
12. Load balancing of distribution transformers.
13. MIS Based periodic reporting of unit wise business parameters.
14. Installation of solar generation plant & solar pumps.
15. Strengthening of energy accounting infrastructure- 100% consumer metering.
16. GIS based asset mapping of all 33/11KV Substations, 11KV Lines and distribution transformers has been completed.
17. 11KV Feeder wise base line technical data i.e., length, Peak load, VR and technical loss calculated by algorithm & published in power BI.
18. Feeder wise baseline commercial loss is being collected by subtracting technical loss for total T&D loss.
19. Selection/priority of area must be made under:

    I. Feeder having VR more than 15%.

    II. Feeder having VR more than 9 to 15%.

    III. Feeder having peak load more than 100 Amp. & length more than 30KM.

    IV. High T&D loss feeder.

    V. High commercial loss feeder.

7.5. Action plan for monitoring and reporting

1. Online monitoring of month wise energy data of various Division of JPDCL.
2. The division wise excel sheet shall be automated via some software and the respective changes in the field in order to maintain the supply and meter faults, etc. shall be updated in the software on timely basis.
3. 33/11kV Substation monitoring system shall be implemented. It shall monitor the loading of Transformer, Substations Battery and Feeders. It shall have the capability to show online data.
4. Most of the Feeder Meters are having communication facility through AMR and MRI Data (generally, more than feeder meter data is received through AMR or MRI.). The DTR meter reading shall be AMR based and shall be increased. Proper Monitoring of the DTR meters shall be done.
5. During off-peak periods, JPDCL is expected to minimize the no load losses by maintaining optimal loading of transformers by configuring its network in such a manner that reliability of supply is also not compromised.

7.6. Action plan for automated energy accounting

Automated energy accounting is a critical component of modern electricity distribution systems. It allows for accurate and efficient tracking of energy usage, which helps identify energy waste, reduce energy consumption, and improve billing accuracy. In this report, we will outline an action plan for implementing automated energy accounting in an electricity distribution company.

Step 1: Evaluate Current Energy Accounting System

The first step is to evaluate the current energy accounting system to identify areas that need improvement. This will involve reviewing the current processes, systems, and data management practices. The evaluation should consider the following factors:

- Accuracy of billing and metering
- Timeliness of bill generation
- Data management practices
- Energy usage tracking capabilities
- Customer feedback and complaints

Step 2: Identify Automated Energy Accounting System Requirements

After evaluating the current energy accounting system, the next step is to identify the requirements for an automated energy accounting system. This will involve considering the following factors:

- Energy usage tracking capabilities
- Billing accuracy and timeliness
- Integration with existing systems
- Data management capabilities
- Scalability and flexibility

Step 3: Research and Select an Automated Energy Accounting System

Once the requirements are identified, the next step is to research and select an automated energy accounting system. This will involve reviewing available options and selecting a system that meets the identified requirements. The selected system should have the following features:

- Real-time energy usage tracking
- Automated billing and metering
- Data management and analysis capabilities
- Integration with existing systems
- User-friendly interface

Step 4: Develop Implementation Plan

After selecting an automated energy accounting system, the next step is to develop an implementation plan. This will involve determining the following:

- Timeline for implementation
- Resource requirements
- Roles and responsibilities
- Training requirements
- Data migration plan

Step 5: Implementation and Testing

Once the implementation plan is developed, the next step is to implement and test the automated energy accounting system. This will involve the following:

- Installation and configuration of the system
- Data migration from the old system to the new system
- User training
- System testing

Step 6: Rollout and Monitoring

After successful testing, the next step is to rollout the automated energy accounting system to all customers. This will involve communicating the changes to customers and ensuring a smooth transition. Once rolled out, the system should be continuously monitored to identify any issues and improve the system's performance.

In conclusion, implementing an automated energy accounting system can help JPDCL improve billing accuracy, reduce energy waste, and enhance data management capabilities. The action plan outlined above provides a framework for implementing an automated energy accounting system in an electricity distribution company. By following this plan, the company can successfully implement the system and achieve its energy accounting goals.

Annexures

Annexure I - Introduction of Verification Firm

We A-Z Energy Engineers Pvt. Ltd. provides consultancy services in the areas of energy management while conducting Energy Audits in all segments of energy input. For conducting Detailed Energy Audits, Energy Audits under PAT (Mandatory and M&V), we have a pool of experienced BEE Accredited & Certified Energy Auditors, Electrical Engineers, Mechanical Engineers and Technicians having experience of more than 30 years. The Energy Audits is being carried out with sophisticated instruments namely Power-Analyzer, Flue Gas Analyzer, Ultra-sonic flow meter, Techo-meter, Anemometer, Hego-Meter, Digital Thermometer, Thermographic Camera's, Lux Meter, Leak detectors. Laser gun etc.

Objective

- To carry out and take ahead the business of Energy Efficiency and climate change including promotion and dissemination of energy efficient product and services.
- To disseminate the culture of safe manufacturing and Services through safety audits and trainings.
- To facilitate implementation of energy efficiency projects for Demand Side Measures including optimization of energy mix for industries, railways, building sector, lighting, HVAC etc.
- To facilitate implementation of schemes, programs and policies of central and state governments or its agencies applicable for enhancing energy efficiency.
- To provide consultancy services in the field of Clean Development Mechanism and Renewable Energy Certificate projects, Carbon Markets, Demand Side Management, Energy Efficiency, Climate change and other related areas.
- To identify and impart training to build the capacity of stakeholders in the field of Energy Efficiency and safe practices in Industry.
- To act as a resource center in the field of Energy Efficiency and take up the activities of Capacity Building Training and other related activities.

Vision

- To make use of energy sustainable.
- To create and sustain markets for energy efficiency in India
- To facilitate energy efficiency improvement through private sector investments in energy efficiency.

Mission

- To assist all stakeholders in implementing energy efficiency and realizing savings.
- To create awareness regarding merits of improvement of energy efficiency and safety practices in private and public sector.

We are Accredited Energy Auditor from BEE, also empaneled by BEE for PAT M & V Audits and Mandatory Energy Audit Projects. A-Z Energy Engineers Pvt. Ltd. has been short listed by Bureau of Energy Efficiency as an Energy Service Company (ESCO), it is an ISO 9001:2015 certified company. We have completed more than 1260 nos. projects, including 52 PAT projects

Dr. P.P. Mittal the Founder Director of A-Z Energy Engineers Pvt. Ltd. was awarded by Govt. of India in National Energy Conservation Award 2013, 2015 & 2016. MSME Ministry Govt. of India awarded "Best Services Providing Company" it was awarded by Hon'ble Prime Minister of India.

a) Name of the Firm

Name of Accredited Firm	Accredited Energy Auditor
A-Z energy Engineers Private Limted	Dr P.P Mittal (AEA 011)

b) Composition of Team

Sr.No.	Name	Qualification	Registration No	Experience (InYears)/Sector
1	Dr. P.P Mittal	Ph.D, MBA		+45 Years
2	Mr. Vipon Chanda	DISCOM Sector		30
3	Mr. V.P Sharma	B. Tech		32 Years
4	Mr. Alok Kumar Tiwari	B. Tech		7 Years
5	Mr. Pankaj Chauhan	Team Member		8 Years

c) Registration No.

EmAEA 0024

d) Undertaking

We A-Z Energy Engineers Pvt. Ltd. hereby confirm that our AEA and any of the audit team member mentioned in this report has conduct mandatory annual energy audit (Accounting) for JPDCL, Jammu (hereafter called as DC).

We also confirm that none of our team member was in the employment of the DC within the previous four years, and was not involved in undertaking energy audit of the DC within the previous four years.



Authorized Signatory

Dr P.P Mittal

Annexure II - Minutes of Meeting with the DISCOM team

Minutes of Meeting with Jammu Power Distribution Corporation Limited (JPDCL), Jammu & A-Z Energy Engineers Pvt. Ltd., New Delhi

Jammu Power Distribution Corporation Limited. **AZ Energy Engineers Pvt. Ltd.**

A-Z Energy Engineers audit team visited the site on 4th to 6st May'23 and conduct the energy audit accounting with reference to the BEE work order dated 9th Feb 2023 and notification from the Bureau of Energy Efficiency dated 28th October 2022 for Conduct of Energy Audit (Accounting) in Electricity Distribution Companies).

Following are the key observations during audit.

- Filled in Proforma for FY 2021-22 was filled with JPDCL available & Audit team.
- JPDCL has provided the following documents for Purchase Energy, input/Billed energy. i.e. Internal Department sheet.
- JPDCL has not provided the DT wise losses.
- JPDCL has provided the Feeder wise AT&C loss.
- Verified T&D losses, AT&C losses & Collection Efficiency is 37.50%, 43.26% & 90.78% respectively based on the filled in proforma and verified source documents.

Data Required for Annual Energy Audit	Status	Source of data
Complete filled in Proforma for the year 2021-2022 (Annually)	Provided	
Supporting Data with Month wise breakup	Provided Month wise breakup (Consumer, Units)	
Purchase Energy		
Net Input in Discom		
Billed Energy		
Revenue Demand		
Revenue Collected		
Energy Export to other		
Transmission loss calculation Methodology		
Feeder wise input ,Billed Energy, T&D & AT&C losses	Provided	
Action plan to reduce the T&D and AT&C losses	Provided The	

	various schemes	
Assets details matched with the proforma infrastructure sheets	Provided	
Verified T&D and AT&C losses (Approved With Petition)	Petition provided	
Electrical Distribution System (SLD)	Sample Distribution network provided.	
Subsidy category Wise (BEE Guideline proforma)	Format Provided	
High Loss area T&D & AT&C action plan to reduce losses	Provided	
Current status of Metering status at Various Voltage level of Discom	Functional & Non Functional meter details provided	
DT Wise Losses	Not Provided	

Chief Engineer
Distribution, JPDCL
Jammu

M/s A-Z Energy Engineers Pvt. Ltd.
Dr. P. P. MITTAL
Accredited
Energy Auditor
AEA-011
Faridabad

Annexure III - Check List prepared by auditing Firm

List of documents required:

- Month wise input and billed energy.
- T&D losses computation approach.
- Un-metered energy consumption approach.
- Internal field audit report of input and billed energy.
- Performance of dicsom on distribution losses.
- Outcome of internal filed audit.
- Measures taken to reduce losses and improve losses.
- Zone/circle/Division/Sub-division wise loss computation.
- Reduction achieved, measures adopted for energy conservation and quantity of energy saved.
- Report on distribution losses.
- List of measuring equipment's and calibration certificates and frequency of calibration.
- Write up on energy scenario.
- Generation via solar, DG and any other source and share of energy consumption.
- Net Input Energy Computation Details.
- Category wise consumer's details.
- Category wise consumers connected load and % load
- Bifurcation of Billed Energy (metered billed energy and unmetered billed energy).
- Disconnected consumers details
- Loss Analysis report
- Write up on procedure followed Technical loss analysis.

Annexure IV - Brief Approach, Scope & Methodology for audit

Scope of annual energy accounting is as per guidelines and notification from Bureau of Energy Efficiency, New Delhi dated 6th October, 2021



Annexure V - Infrastructure Details

The infrastructure details of the DISCOM are as shown in the table below:

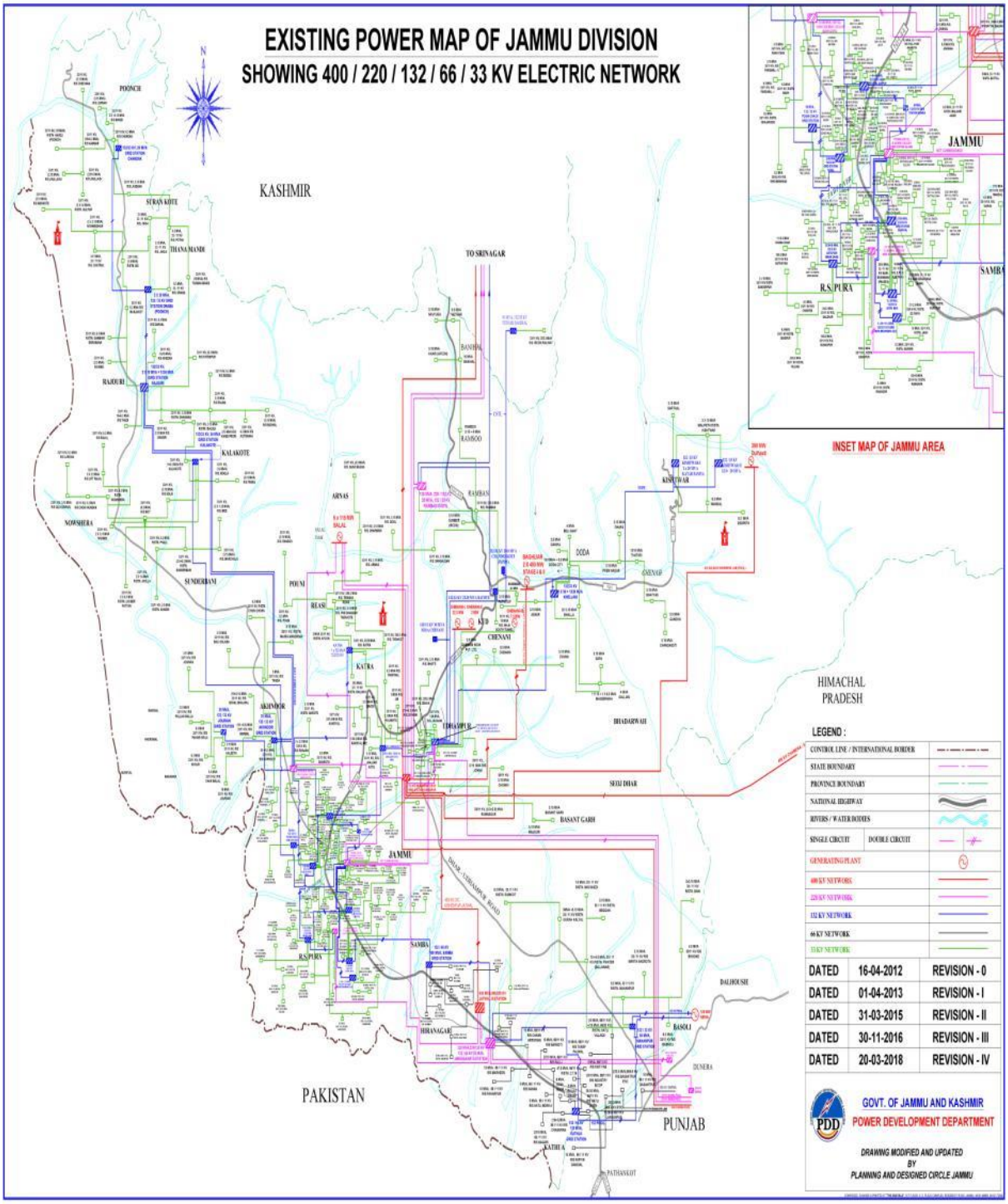
Table 35: Infrastructure details

Parameters	Total	Covered during in audit	Verified by Auditor in Sample Check	Remarks (Source of data)
Number of circles	5	5		
Number of divisions	18	18		
Number of sub-divisions	67	67		
Number of feeders	1348	1348		
Number of DTs	41871	41871		
Number of consumers	1107695	1107695		

Table 36: Metering details

Parameters	66kV and above	33kV	11/22kV	LT
Number of conventional metered consumer	32	51	3330	736131
Number of consumers with 'smart' meters	0	0	0	35852
Number of consumers with 'smart prepaid' meters	0	0	0	0
Number of consumers with 'AMR' meters	0	0	0	0
Number of consumers with 'non-smart prepaid' Meters	0	0	0	0
Number of unmetered consumers	0	0	43	332256
Number of total consumers	32	51	3373	1104239
Number of conventionally metered Distribution Transformers	0	9	7529	175
Number of DTs with communicable meters	0	0	17	0
Number of unmetered DTs	0	0	34342	1451
Number of total Transformers	0	9	41871	1626
Number of metered feeders	15	121	1161	0
Number of feeders with communicable meters	3	47	100	0
Number of unmetered feeders	2	0	49	0
Number of total feeders	17	121	1210	0
Line length(ctkm)				85986.235
Length of Aerial Bunched Cables				1745.075
Length of Underground Cables				0

Annexure VI - Electrical Distribution System



Annexure VII - Power Purchase Details

a) Input Purchase Power for FY 2021-22

JPDCL, Jammu purchases the power from JKPDCL the month wise purchase units are shown in below table:

Table 37: Month wise power purchase

Sr. No.	Months	Energy (in Mus)
1	Apr-21	596.823
2	May-21	664.543
3	Jun-21	730.314
4	Jul-21	735.073
5	Aug-21	766.699
6	Sep-21	673.380
7	Oct-21	554.878
8	Nov-21	541.671
9	Dec-21	646.883
10	Jan-22	736.296
11	Feb-22	599.047
12	Mar-22	579.377
	G.TOTAL	7824.984

b) Circle wise monthly Input Energy for FY 2021-22

The Month wise break up of input energy (MUs) parameter for all the circle is given below:

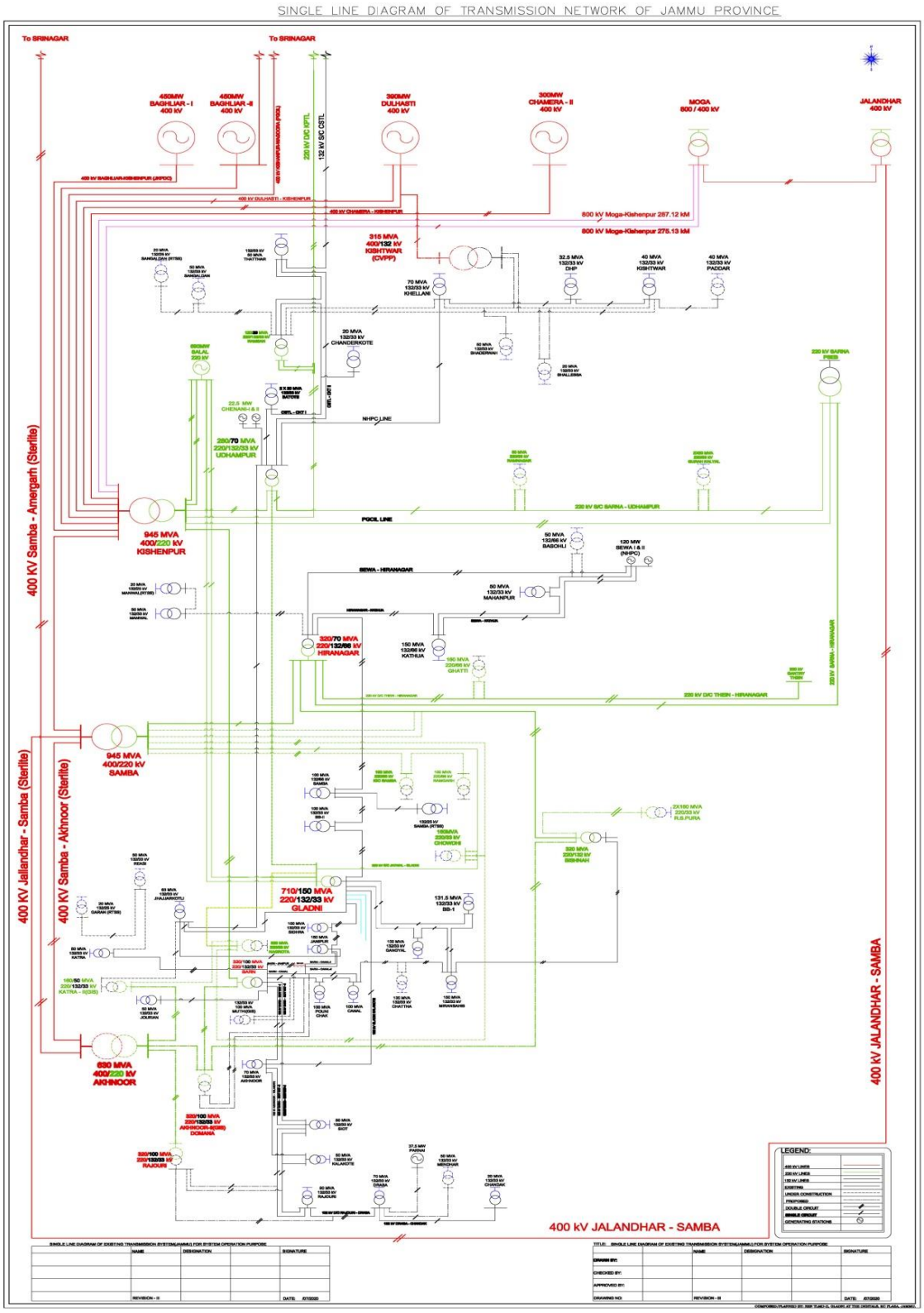
Table 38: Circle wise monthly input energy (MU)

Particulars	ED-I	ED-II	ED-III	ED-Kathua	ED-Vijaypur	ED-Rajouri	ED-Poonch	ED-Batote	ED Udhampur	ED-Reasi	Doda	Kistwar
Apr-21	26.30	79.86	56.70	40.93	49.22	20.82	18.48	12.97	14.66	19.84		13.33
May-21	24.37	84.76	60.00	39.11	46.66	24.55	18.40	12.08	14.37	12.88	19.20	13.65
Jun-21	28.23	92.40	62.92	42.95	52.82	24.54	18.29	9.53	12.41	13.47	21.50	12.64
Jul-21	35.08	102.49	67.44	43.78	58.23	27.56	18.35	10.10	12.27	12.96	22.90	11.58
Aug-21	33.14	97.75	65.42	43.05	61.04	27.99	18.36	10.27	12.18	14.76	23.95	12.44
Sep-21	37.01	107.85	63.41	44.41	57.55	27.95	18.37	10.09	16.71	10.45	25.39	11.89
Oct-21	29.57	98.44	62.34	36.73	54.08	26.87	18.36	11.78	16.51	12.51	23.82	11.77
Nov-21	28.27	87.20	61.59	38.37	53.40	27.08	18.36	14.50	16.31	11.58	20.22	12.65
Dec-21	30.86	83.48	62.16	35.49	56.65	36.19	18.36	14.04	18.14	12.47	20.84	12.69
Jan-22	31.07	98.28	59.17	37.45	56.00	30.10	18.29	13.98	17.99	10.65	24.56	11.22
Feb-22	28.81	84.41	61.07	36.22	52.37	30.13	18.29	12.95	17.90	12.70	26.96	12.26
Mar-22	33.34	90.67	57.72	37.99	52.37	30.19	18.29	14.13	17.99	20.34	22.87	12.06
	366.05	1107.59	739.94	476.47	650.39	333.97	220.21	146.42	187.44	164.63	252.21	148.19

Annexure VIII - Single Line Diagram (SLD)

The SLD of the DISCOM is as shown below:

Figure 9: Single Line Diagram (SLD) of JPDCL



Annexure IX - Category of service details (With Consumer and voltage-wise)

Type of consumers with different type of voltage & number of consumers are shown in below table:

Table 39: Category of service details

S. No	Type of Consumers	Category of Consumers	Voltage Level	No of Consumers	Total Consumption (In MU)
1	Domestic	LT	LT	951150.00	1661.62
2(a)	Commercial	LT	LT	110850.00	405.65
2(b)	Commercial	HT	11kV	2263.00	123.66
3(a)	State/Central Govt. Department	LT	LT	8032.00	246.92
3(b)	State/Central Govt. Department	HT	11kV	119.00	64.45
3(c)	State/Central Govt. Department(33kV or 66kV)	EHT	33kV and above	21.00	89.03
4	Agricultural	LT	LT	22394.00	256.10
5	Public street lighting	LT	LT	174.00	105.77
6	LT PHE/Public Water Works	LT	LT	1748.00	325.63
7(a)	HT PHE/Public Water Works	HT	11kV	234.00	150.73
8	LT Industrial Supply	LT	LT	9892.00	178.57
9(a)	HT Industrial Supply	HT	11kV	620.00	473.20
9(b)	HT Industrial Supply	EHT	33kV and above	27.00	335.92
10(b)	HT PIU	EHT	33kV and above	13.00	122.60
11(a)	Bulk Supply	HT	11kV	136.00	139.30
11(b)	Bulk Supply	EHT	33kV and above	19.00	72.08
13(c)	Traction	EHT	33kV and above	3.00	41.21
	Total			1107695.00	4792.42

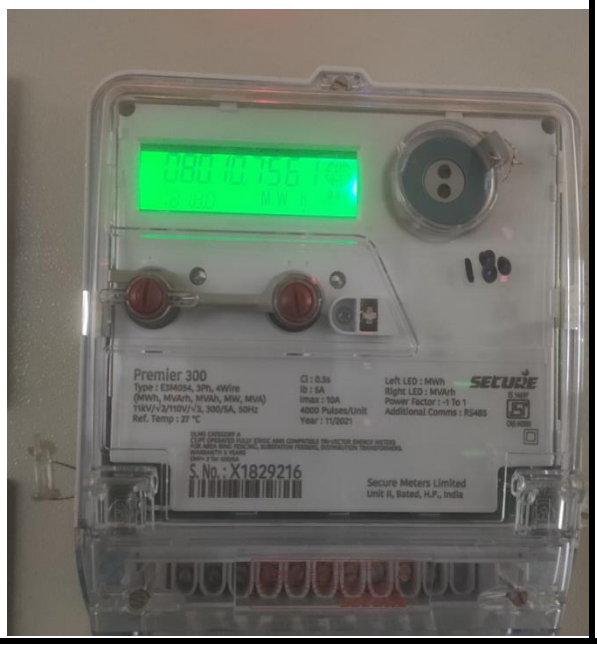
Annexure X - Field Verification data and reports

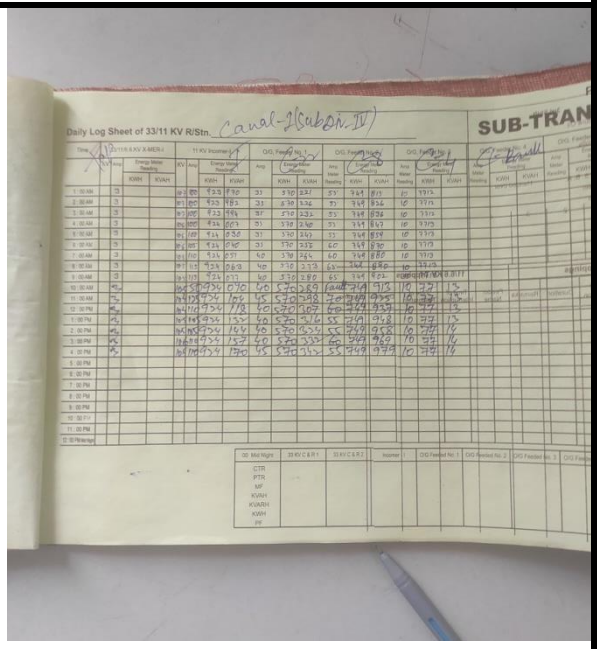
The field inspection details are shown in the below table:

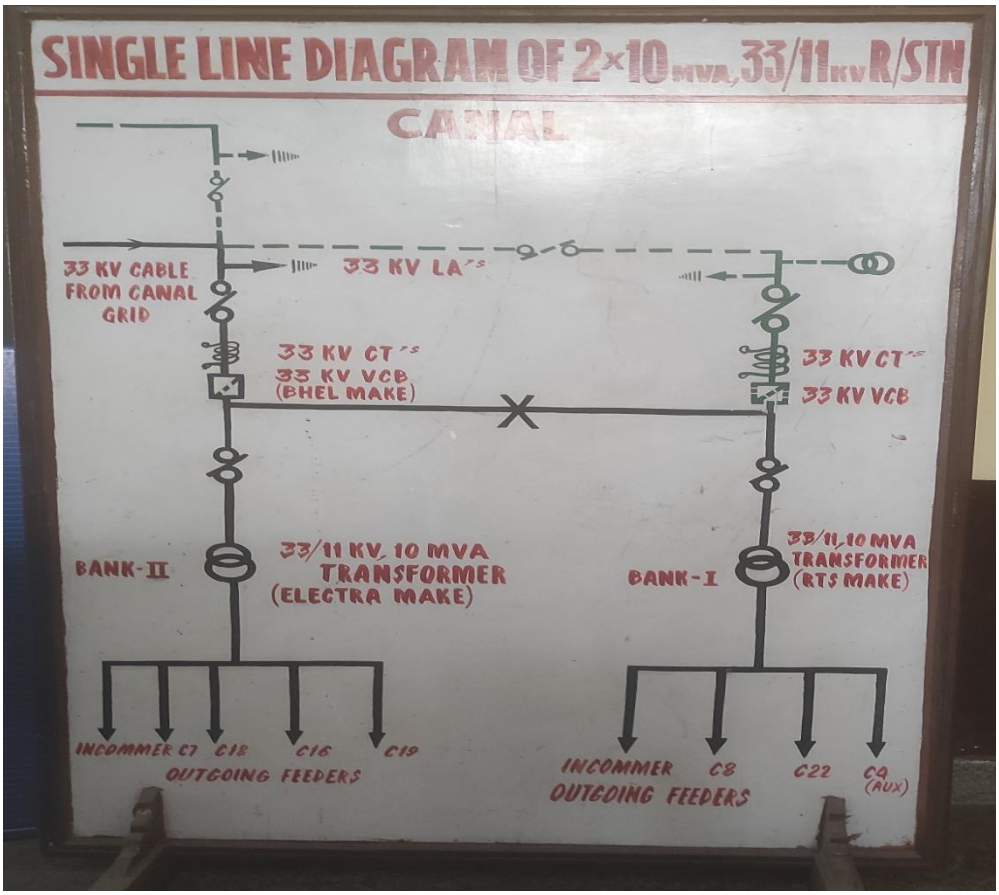
Table 40: Field inspection details







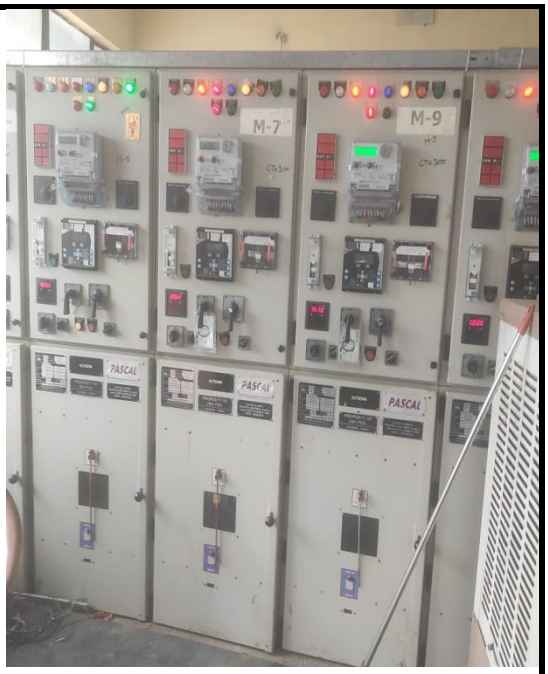


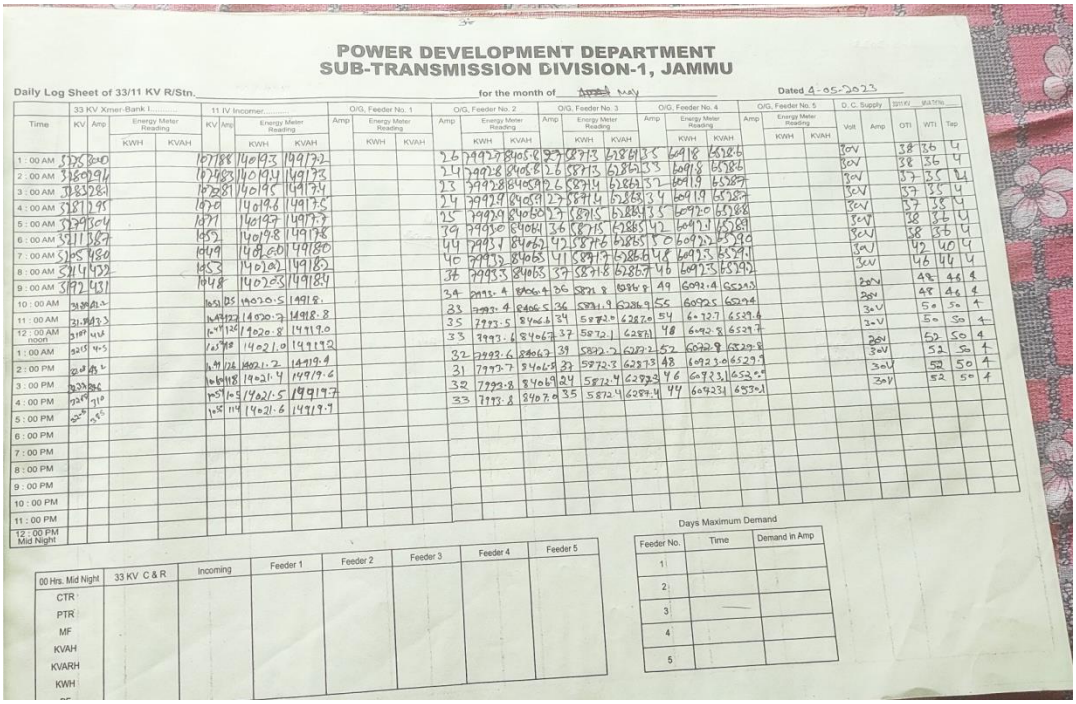

SINGLE LINE DIAGRAM OF 2×10 MVA, 33/11 KV R/STN
CANAL
33 KV CABLE FROM CANAL GRID
33 KV LA's
33 KV CT's
33 KV VCB (BHEL MAKE)
33 KV CT's
33 KV VCB
BANK-II
33/11 KV, 10 MVA TRANSFORMER (ELECTRA MAKE)
BANK-I
33/11, 10 MVA TRANSFORMER (RTS MAKE)
INCOMMER C7 C18 C16 C19
OUTGOING FEEDERS
INCOMMER C8 C22 C9 (AUX)
OUTGOING FEEDERS




AUX
AUX
DANGER







POWER DEVELOPMENT DEPARTMENT
SUB-TRANSMISSION DIVISION-1, JAMMU

Daily Log Sheet of 33/11 KV R/Stn. for the month of May Dated 4-05-2023

Time	33 KV Xmer-Bank I			11 IV Incomer			O/G, Feeder No. 1		O/G, Feeder No. 2		O/G, Feeder No. 3		O/G, Feeder No. 4		O/G, Feeder No. 5		D. C. Supply				
	KV	Amp	Energy Meter Reading KWH	KVAH	KV	Amp	Energy Meter Reading KWH	KVAH	Amp	Energy Meter Reading KWH	KVAH	Amp	Energy Meter Reading KWH	KVAH	Amp	Energy Meter Reading KWH	KVAH	Amp	Energy Meter Reading KWH	KVAH	Volt	Amp	OTI	WTI	Tap
1 : 00 AM	33	200			107188		140193		199772												80V		38	36	4
2 : 00 AM	33	200			107283		140194		199773												80V		38	36	4
3 : 00 AM	33	200			107281		140195		199774												80V		37	35	4
4 : 00 AM	33	195			1079		140196		199775												80V		37	35	4
5 : 00 AM	33	195			1077		140197		199776												80V		37	38	4
6 : 00 AM	33	195			1055		140198		199778												80V		38	36	4
7 : 00 AM	33	195			1049		140200		199780												80V		38	36	4
8 : 00 AM	33	190			1053		140202		199785												80V		42	40	4
9 : 00 AM	33	192			1048		140205		199789												80V		46	44	4
10 : 00 AM					1052	DS	14020.5		14918.												28V		48	46	4
11 : 00 AM					1049	22	14020.7		14918.8												30V		50	50	4
12 : 00 AM noon					1047	120	14020.8		14919.0												30V		50	50	4
1 : 00 AM					1038		14021.0		14919.2												28V		52	50	4
2 : 00 PM					1041	126	14021.2		14919.4												30V		52	50	4
3 : 00 PM					1044	118	14021.4		14919.6												30V		52	50	4
4 : 00 PM					1055	105	14021.5		14919.7																
5 : 00 PM					1055	114	14021.6		14919.7																
6 : 00 PM																									
7 : 00 PM																									
8 : 00 PM																									
9 : 00 PM																									
10 : 00 PM																									
11 : 00 PM																									
12 : 00 PM Mid Night																									

00 Hrs. Mid Night	33 KV C & R	Incoming	Feeder 1	Feeder 2	Feeder 3	Feeder 4	Feeder 5
CTR							
PTR							
MF							
KVAH							
KVARH							
KWH							

Days Maximum Demand

Feeder No.	Time	Demand in Amp
1		
2		
3		
4		
5		

Annexure XI - List of documents verified with each parameter

The documents verified are listed in the below table:

Table 41: List of documents verified with each parameter

S. No	Data Required for Annual Energy Audit as per BEE regulation	Status	Remark
1	Complete filled in Proforma for the year 2021-2022 (Annually)	Provided	Data Attached
2	Supporting Data with Month wise breakup	Provided Month wise breakup	Data Attached
A	Purchase Energy		
B	Net Input in Discom		
C	Billed Energy		
D	Revenue Demand		
E	Revenue Collected		
F	Energy Export to other		
G	Transmission loss calculation Methodology	NA	NA
3	Feeder wise input ,Billed Energy, T&D & AT&C losses	Provided	Data Attached
4	Action plan to reduce the T&D and AT&C losses	Provided The various schemes	Action plan to reduce AT&C losses & payback of RDSS Schemes
5	Assets details matched with the proforma infrastructure sheets	Provided	Data Attached
6	Verified T&D and AT&C losses (Approved With Petition)	Petition provided	Data Attached
7	Energy Flow Diagram	Data Attached	Data Attached
8	Subsidy category Wise (BEE Guideline proforma)	Format Provided	Data Attached in BEE Guideline proforma
9	Power Map	Provided	Data Attached
10	Quarter wise Report	Provided	Data Attached

Annexure XII - Brief Description of Unit

Post Unbundling of Power Development Department, JPDCL is mandated with development and management of Electric Power Supply at sub-transmission and distribution level in Jammu region of UT of J&K. JPDCL performs following functions.

- Development of Electric Power Supply infrastructure at Sub-Transmission and Distribution Level
- Distribution of Electric Power Supply to the people of Jammu region
- Maintenance of Electric Power Supply at Sub-Transmission and Distribution Level.

Electricity plays an important role in socio-economic development of the region, by ensuring adequate and good quality electric power supply JPDCL plays an important role in holistic development of Jammu Region. JPDCL is committed to serve the electric energy needs of the region in general and people in particular.

The erstwhile J&K Power Development Department has been unbundled and corporatized into 5 companies namely J&K Power Corporation Ltd (JKPCL), J&K Power Transmission Corporation Ltd. (JKPTCL), Jammu Power Distribution Corporation Ltd. (JPDCL), Kashmir Power Distribution Corporation Ltd. (KPDCL) and Ladakh Power Corporation Ltd. (LPCL) vide Govt Order No:191-PDD of 2019 dated 23.10.2019. LPCL has been formed exclusively for UT of Ldakh. The remaining four companies are for the Transmission and Distribution Sectors of UT of J&K. These companies have been registered and the transition towards corporate structure is under process.

Presently, the task of power is assigned to a mix of UT, Central and Joint Venture Public undertakings. The inter-state transmission at 400 kV level is looked after by the PGCIL. The intra-state transmission at 220 & 132 kV level is undertaken by J&K Power Transmission Corporation Ltd. and distribution at 66kV, 33kV, 11 kV and LT levels is looked after by the two distribution corporations one each for Jammu and Kashmir Regions. The Power Corporation Ltd is the holding company and looks after trading of power as well. The generation wing was unbundled way back in 1995 by carving out J&K Power Development Corporation (JKSPDC) out of erstwhile J&K Power Development Department.

Metering details

The status of meters installed in JPDCL as on 31-03-22 are given in the below tables:

Parameters	66kV and above	33kV	11/22kV	LT
Number of conventional metered consumers	32	51	3330	736131
Number of consumers with 'smart' meters	0	0	0	35852
Number of consumers with 'smart prepaid' meters	0	0	0	0

Parameters	66kV and above	33kV	11/22kV	LT
Number of consumers with 'AMR' meters	0	0	0	0
Number of consumers with 'non-smart prepaid' meters	0	0	0	0
Number of unmetered consumers	0	0	43	332256
Number of total consumers	32	51	3373	1104239

Distribution Transformer (DT) details

The details of distribution transformers in JPDCL as on 31-03-22 are given in the below tables:

Parameters	66kV and above	33kV	11/22kV	LT
Number of conventionally metered Distribution Transformers	0	9	7529	175
Number of DTs with communicable meters	0	0	17	0
Number of unmetered DTs	0	0	34342	1451
Number of total Transformers	0	9	41871	1626

Feeder details

The details of feeders in JPDCL as on 31-03-22 are given in the below tables:

Parameters	66kV and above	33kV	11/22kV	LT
Number of metered feeders	15	121	1161	0
Number of feeders with communicable meters	3	47	100	0
Number of unmetered feeders	2	0	49	0
Number of total feeders	17	121	1210	0

Distribution Line details

The details of distribution lines in JPDCL as on 31-03-22 are given in the below tables:

Parameters	66kV and above	33kV	11/22kV	LT
Line length (ct km)	265.83	2947.28	24142.864	58630.261
Length of Aerial Bunched Cables	0	1	229.27	1514.805
Length of Underground Cables	0	0	31.2	0

Annexure XIII - List of Parameters arrived through calculation or formulae with list of documents as source of data

Ideally, reduction of technical losses should be the parameter for evaluation of performance of Discoms sector. However, the technical losses of the Discoms are not available and it involves a cumbersome process to calculate the technical losses, which varies based on various factors like loading pattern etc.

Now, only the T&D losses and AT&C losses are available as the performance parameter for achieving energy efficiency by DISCOMs.

It was decided that out of the two parameters, T&D loss parameter seems to be appropriate parameter which reflects energy savings to a greater extent as compared to AT&C losses

Table 42: Formulas used to derive the parameters

Parameter	Formula	Data Source
AT&C Losses	{1- (Billing Efficiency x Collection Efficiency)} x 100	
T& D Losses	{1- (Total energy Billed/ Total energy Input in the system)} x 100	
Billing efficiency	Total unit Billed/ Total unit Inputs Collection efficiency	
Collection efficiency	Revenue collected / Amount Billed	

Annexure XIV - Detailed Formats

General Information					
1	**Name of the DISCOM**	Jammu Power Distribution Corporation Limited			
2	**i) Year of Establishment**	2019			
	ii) Government/Public/Private	GOVERNMENT			
3	**DISCOM's Contact details & Address**				
i	City/Town/Village	Ambedkar Chowk (Panama Chowk), Jammu			
ii	District	Jammu			
iii	State	J&K(UT)		Pin	
iv	Telephone			Fax	
4	**Registered Office**				
i	Company's Chief Executive Name	Shiv Anant Tayal, IAS			
ii	Designation	Managing Director			
iii	Address	Ambedkar Chowk (Panama Chowk), Jammu			
iv	City/Town/Village	Jammu		P.O.	
v	District	Jammu			
vi	State	J&K(UT)		Pin	
vii	Telephone	0191-2479122		Fax	
5	**Nodal Officer Details***				
i	Nodal Officer Name (Designated at DISCOM's)	Er. Sandeep Seth (C.E.)			
ii	Designation	Chief Engineer(Distribution), JPDCL			
iii	Address	Bhagwati Nagar, Jammu, J&K			
iv	City/Town/Village	Jammu		P.O.	
v	District	Jammu			
vi	State	J&K(UT)		Pin	
vii	Telephone			Fax	
6	**Energy Manager Details***				
i	Name	Er. Rajinder Gupta (S.E.)			
ii	Designation	Superintending Engineer,		Whether EA or EM	
iii	EA/EM Registration No.				
iv	Telephone			Fax	
v	Mobile		E-mail ID	semrejammu@gmail.com	
7	**Period of Information**				
	Year of (FY) information including Date and Month (Start & End)	From : Ist April, 2021 to 31st March, 2022			

Performance Summary of Electricity Distribution Companies			
1	Period of Information Year of (FY) information including Date and Month (Start & End)	From : Ist April, 2021 to 31st March, 2022	
2	**Technical Details**		
(a)	**Energy Input Details**		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	7824.98
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	7668.45
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	4792.65
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	2875.81
		%	37.50%
	Collection Efficiency	%	91%
(c)	Aggregate Technical & Commercial Loss	%	43%

I/We undertake that the information supplied in this Document and Pro-forma is accurate to the best of my knowledge and if any of the information supplied is found to be incorrect and such information result into loss to the Central Government or State Government or any of the authority under them or any other person affected, I/we undertake to indemnify such loss.

Authorised Signatory and Seal

Name of Authorised Signatory

Name of the DISCOM:

Full Address:-

Chief Engineer
Distribution, JPDCL
Jammu

Seal

Signature:-

Name of Energy Manager*:

Registration Number:

Form-Details of Input Infrastructure

Period From : Ist April, 2021 to 31st March, 2022

1	Parameters	Total	Covered during in audit	Verified by Auditor in Sample Check	Remarks (Source of data)
i	Number of circles	5			
ii	Number of divisions	18			
iii	Number of sub-divisions	67			
iv	Number of feeders	1348			
v	Number of DTs	41871			
vi	Number of Consumers	1107695			
2	**Parameters**	**66kV and above**	**33kV**	**11/22kV**	**LT**
a. i.	Number of conventional metered consumers	32	51	3330	736131
ii	Number of consumers with 'smart' meters	0	0	0	35852
iii	Number of consumers with 'smart prepaid' meters	0	0	0	0
iv	Number of consumers with 'AMR' meters	0	0	0	0
v	Number of consumers with 'non-smart prepaid' meters	0	0	0	0
vi	Number of unmetered consumers	0	0	43	332256
vii	**Number of total consumers**	32	51	3373	1104239
b.i.	Number of conventionally metered Distribution Transformers	0	9	7529	175
ii	Number of DTs with communicable meters	0	0	17	0
iii	Number of unmetered DTs	0	0	34342	1451
iv	**Number of total Transformers**	0	9	41871	1626
c.i.	Number of metered feeders	15	121	1161	0
ii	Number of feeders with communicable meters	3	47	100	0
iii	Number of unmetered feeders	2	0	49	0
iv	**Number of total feeders**	17	121	1210	0
d.	Line length (ct km)	265.83	2947.28	24142.864	58630.261
e.	Length of Aerial Bunched Cables	0	1	229.27	1514.805
f.	Length of Underground Cables	0	0	31.2	0

3	Voltage level	Particulars	MU	Reference	Remarks (Source of data)
		Long-Term Conventional		Includes input energy for franchisees	
		Medium Conventional			
		Short Term Conventional			
		Banking			
		Long-Term Renewable energy			
		Medium and Short-Term RE		Includes power from bilateral/ PX/ DEEP	

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i	66kV and above	Captive, open access input		Any power wheeled for any purchase other than sale to DISCOM. Does not include input for franchisee.	
		Sale of surplus power			
		Quantum of inter-state transmission loss		As confirmed by SLDC, RLDC etc	
		Power procured from inter-state sources	0	Based on data from Form 5	
		Power at state transmission boundary	0		
ii	33kV	Long-Term Conventional			
		Medium Conventional			
		Short Term Conventional			
		Banking			
		Long-Term Renewable energy			
		Medium and Short-Term RE			
		Captive, open access input			
		Sale of surplus power			
		Quantum of intra-state transmission loss	0		
		Power procured from intra-state sources	0		
iii		**Input in DISCOM wires network**	0		
iv	33 kV	Renewable Energy Procurement			
		Small capacity conventional/ biomass/ hydro plants Procurement	13.977		
		Captive, open access input			
v	11 kV	Renewable Energy Procurement			
		Small capacity conventional/ biomass/ hydro plants Procurement			
		Sales Migration Input			
vi	LT	Renewable Energy Procurement			
		Sales Migration Input			
vii		**Energy Embedded within DISCOM wires network**	13.977		
viii		**Total Energy Available/ Input**	13.977		
4	**Voltage level**	**Energy Sales Particulars**	**MU**	**Reference**	
i	LT Level	DISCOM' consumers	3,180	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Embedded generation used at LT level		Demand from embedded generation at LT level	
		Sale at LT level	3,180		
		Quantum of LT level losses	-3,180		
		Energy Input at LT level			
ii	11 kV Level	DISCOM' consumers	951	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Embedded generation at 11 kV level used		Demand from embedded generation at 11kV level	
		Sales at 11 kV level	951		
		Quantum of Losses at 11 kV	-951		
		Energy input at 11 kV level			

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iii	33 kV and Above Level	DISCOM' consumers	661	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Embedded generation at 33 kV or below level	13.977	This is DISCOM and OA demand met via energy generated at same voltage level	
		Sales at 33 kV level	661		
		Quantum of Losses at 33 kV	7,008		
		Energy input at 33kV Level	7,668		
		Total Energy Requirement	**7,668**		
		Total Energy Sales	**4,792**		

Energy Accounting Summary

5	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT		3,180	2,876	
ii	11 Kv		951		
iii	33 kv and Above	7668.4548	661		37.50%
6	**Open Access, Captive**	**Input (in MU)**	**Sale (in MU)**	**Loss (in MU)**	
i	LT				
ii	11 Kv				
iii	33 kv				
iv	> 33 kv				

Loss Estimation for DISCOM	
T&D loss	2,876
D loss	2,876
T&D loss (%)	37.50%
D loss (%)	37.50%

(E·M)

Chief Engineer
Distribution, JPDC
Jammu

Details of Division Wise Losses (See note below**)

Division Wise Losses

Period From : Ist April, 2021 to 31st March, 2022

S.No	Name of circle	Circle code	Name of Division	Consumer profile									Energy parameters					Losses		Commercial Parameter			AT & C loss (%)
														Billed energy (MU)									
				Consumer category	No of connection metered (Nos)	No of connection Un-metered (Nos)	Total Number of connections (Nos)	% of number of connections	Connected Load metered (MW)	Connected Load Un-metered (MW)	Total Connected Load (MW)	% of connected load	Input energy (MU)	Metered energy	Unmetered/assessment energy	Total energy	% of energy consumption	T&D loss (MU)	T&D loss (%)	Billed Amount in Rs. Crore	Collected Amount in Rs. Crore	Collection Efficiency	
1	Jammu	JPDCL-01	Electric Division-I, Jammu	Residential	46162	1222	47384	75.50%	91.823	0.051	91.874	46%	531.38	82.001	8.043	90.044	25%	165.33	31%	30.49	34.12	111.91%	
				Agricultural	84	1	85	0.14%	0.728	0.002	0.73	0%		0.1225	0.0515	0.174	0%			0.15	0.101	67.33%	
				Commercial/Industrial-LT	14512	0	14512	23.12%	30.737	0	30.737	15%		80.9	0	80.9	22%			18.36	1.24	6.75%	
				Commercial/Industrial-HT	3	0	3	0.00%	5.47	0	5.47	3%		39.82	0	39.82	11%			0.27	0.13	48.15%	
				Others	700	76	776	1.24%	72.102	0.103	72.205	36%		152.64	2.475	155.11	42%			111.2	149.64	134.57%	
Sub-total					61461	1299	62760	100%	200.86	0.156	201.016	100%	531.38	355.48	10.5695	366.048	100%	165.33	31%	160.47	185.231	115.43%	20%
2	Jammu	JPDCL-01	Electric Division-II, Jammu	Residential	99411	29889	129300	81%	222.28084	66.84616	289.127	43%	1868.15	258.19	26.06093	284.2502	25%	728.54	39%	122.4953	87.50761	71.44%	
				Agricultural	5962	253	6215	4%	27.644144	1.175856	28.82	4%		37.746	1.877467	39.62361	3%			12.96208	7.639792	58.94%	
				Commercial/Industrial-LT	21702	843	22545	14%	127.67156	4.960437	132.632	20%		111.75	17.50199	129.2502	11%			49.57463	53.05233	107.02%	
				Commercial/Industrial-HT	283	0	283	0%	174.108	0	174.108	26%		421.94	0	421.9363	37%			182.7771	183.2107	100.24%	
				Others	814	132	946	1%	25.825721	20.24228	46.068	7%		194.3	70.25182	264.5518	23%			80.85	108.4226	134.10%	
Sub-total					128172	31117	159289	100%	577.53027	93.22473	670.755	100%	1868.15	1023.9	115.6922	1139.612	100%	728.54	39%	448.6591	439.833	98.03%	40%
3	Jammu	JPDCL-01	Electric Division-III, Jammu	Residential	102577	31148	133725	86%	192.0366	48.00916	240.0458	66%	1129.57	283.7	48.5026	332.2044	45%	389.64	34%	98.25151	79.2708	80.68%	
				Agricultural	2620	0	2620	2%	15.908505	0	15.90851	4%		121.13	0	121.1348	16%			15.65042	6.4475	41.20%	
				Commercial/Industrial-LT	18487	0	18487	12%	50.34075	0	50.34075	14%		59.601	0	59.6011	8%			42.69502	30.6692	71.83%	
				Commercial/Industrial-HT	17	0	17	0%	10.89605	0	10.89605	3%		61.641	0	61.6411	8%			13.75543	4.5501	33.08%	
				Others	1260	0	1260	1%	45.260967	0	45.26097	12%		165.35	0	165.3536	22%			149.5	81.52	54.53%	
Sub-total					124961	31148	156109	100%	314.44287	48.00916	362.452	100%	1129.57	691.43	48.5026	739.935	100%	389.64	34%	319.8524	202.4576	63.30%	59%
4	Kathua	JPDCL-02	Electric Division-Vijaypur	Residential	44677	15915	60592	77%	56.373527	8.767864	65.14139	28%	800.19	104.86	14.90399	119.7658	25%	312.58	39%	35.49575	21.42445	60.36%	
				Agricultural	7173	164	7337	9%	23.162011	0.259235	23.42125	10%		17.068	0.401079	17.46953	4%			4.937411	1.822824	36.92%	
				Commercial/Industrial-LT	9713	393	10106	13%	45.32	0.539764	45.85976	20%		46.887	2.63413	49.52137	10%			23.14367	18.53464	80.09%	
				Commercial/Industrial-HT	166	0	166	0%	87.97	0	87.97	38%		175.74	0	175.7357	36%			76.1387	68.11155	89.46%	
				Others	793	124	917	1%	5.84	1.301249	7.141249	3%		123.87	1.250727	125.1207	26%			43.88	63.75946	145.30%	
Sub-total					62522	16596	79118	100%	218.66554	10.86811	229.5337	100%	800.19	468.42	19.18992	487.6132	100%	312.58	39%	183.5955	173.6529	94.58%	42%
5	Kathua	JPDCL-02	Electric Division-Kathua	Residential	58824	48533	107357	83%	63.997252	17.99763	81.99488	34%	1059.08	95.441	62.76833	158.2093	24%	409.46	39%	41.39132	37.408	90.38%	
				Agricultural	5864	15	5879	5%	28.15749	0.027666	28.18516	12%		24.83	1.668111	26.49841	4%			4.001626	8.3	207.42%	
				Commercial/Industrial-LT	14008	1153	15161	12%	61.62	1.28865	62.90865	26%		32.809	3.070103	35.8791	6%			20.3865	21.673	106.31%	
				Commercial/Industrial-HT	134	0	134	0%	60.11	0	60.11	25%		359.76	5.6E-05	359.7611	55%			129.7195	124.183	95.73%	
				Others	1490	33	1523	1%	10.3	0.21617	10.51617	4%		63.928	5.339122	69.26712	11%			51.279	37.64	73.40%	
Sub-total					80320	49734	130054	100%	224.18474	19.53011	243.7149	100%	1059.08	576.77	72.84572	649.615	100%	409.46	39%	246.778	229.204	92.88%	43%
6	Rajouri	JPDCL-03	Electric Division-Rajouri	Residential	56055	45858	101913	92%	27.6	32.62	60.22	63%	517.74	60.51	51.29	111.8	34%	191.62	37%	40.21	22.05	54.84%	
				Agricultural	235	0	235	0%	1.91	0	1.91	2%		24.6	0	24.6	8%			2.186	1.888	86.37%	
				Commercial/Industrial-LT	6020	1517	7537	7%	13.32	4.07	17.39	18%		37.66	17.46	55.12	17%			18.03	16.94	93.95%	
				Commercial/Industrial-HT	15	0	15	0%	2.96	0	2.96	3%		14.5	0	14.5	4%			2.79	1.45	51.97%	
				Others	981	0	981	1%	13.35	0	13.35	14%		120.1	0	120.1	37%			35.81	54.46	152.08%	
Sub-total					63306	47375	110681	100%	59.14	36.69	95.83	100%	517.74	257.37	68.75	326.12	100%	191.62	37%	99.026	96.788	97.74%	38%

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7	Rajouri	JPDCL-03	Electric Division-Poonch	Residential	27140	49885	77025	94%	12.6	27.5	40.1	65%	267.39	24.95	48.92	73.87	41%	85.48	32%	23.36	11.7	50.09%	
				Agricultural	0	4	4	0%	0	0.23	0.23	0%		0	0.2	0.2	0%			0.48	0	0.00%	
				Commercial/Industrial-LT	2777	1595	4372	5%	4	2.9	6.9	11%		47.88	20.86	68.74	38%			19.5	5.34	27.38%	
				Commercial/Industrial-HT	5	4	9	0%	0	0.18	0.18	0%		0	0	0	0%			0	0	0.00%	
				Others	415	255	670	1%	7.1	7.6	14.7	24%		19.9	19.2	39.1	21%			7.4	33.67	455.00%	
Sub-total					30337	51743	82080	100%	23.7	38.41	62.11	100%	267.39	92.73	89.18	181.91	100%	85.48	32%	50.74	50.71	99.94%	32%
8	Batote	JPDCL-04	Electric Division-Udhampur	Residential	85411	22607	108018	90%	87.95	5.65	93.6	56%	398.0048	73.91	4.6	78.51	29%	125.46	32%	19.63	26.7	136.02%	
				Agricultural	11	0	11	0%	0	0	0	0%		0	0	0	0%			0	0	0.00%	
				Commercial/Industrial-LT	11446	0	11446	9%	19.05	0	19.05	11%		36.67	0	36.67	13%			14.67	18.76	127.88%	
				Commercial/Industrial-HT	26	0	26	0%	7.5	0	7.5	5%		14.82	0	14.82	5%			5.93	7.88	132.88%	
				Others	1074	42	1116	1%	43.36	3.1	46.46	28%		131.04	11.5	142.54	52%			84.13	71.94	85.51%	
Sub-total					97968	22649	120617	100%	157.86	8.75	166.61	100%	398.0048	256.44	16.1	272.54	100%	125.46	32%	124.36	125.28	100.74%	31%
9	Batote	JPDCL-04	Electric Division-Reasi	Residential	27749	13220	40969	85%	25.228	7.123	32.351	41%	290.93	37.51	19.76	57.27	40%	146.72	50%	16.78	13.1	78.07%	
				Agricultural	4	1	5	0%	0.28575	0.1	0.38575	0%		0.67	0.45	1.12	1%			2.31	0	0.00%	
				Commercial/Industrial-LT	6028	552	6580	14%	26.57	0.592	27.162	34%		32.56	2.35	34.91	24%			21.04	18.31	87.02%	
				Commercial/Industrial-HT	0	0	0	0%	0.6437	0	0.6437	1%		3.33	0.85	4.18	3%			2.59	1.92	74.13%	
				Others	612	38	650	1%	17.33	1.599	18.929	24%		38.63	8.1	46.73	32%			64.56	44.24	68.53%	
Sub-total					34393	13811	48204	100%	70.05745	9.414	79.47145	100%	290.93	112.7	31.51	144.21	100%	146.72	50%	107.28	77.57	72.31%	64%
10	Batote	JPDCL-04	Electric Division-Batote	Residential	31099	18896	49995	91%	20.95	9.6	30.55	67%	262.24	41.82	49.742	91.562	59%	108.11	41%	24.24	13.41	55.32%	
				Agricultural	0	2	2	0%	0	0.11	0.11	0%		0	0.009	0.009	0%			0	0	0.00%	
				Commercial/Industrial-LT	3592	699	4291	8%	7.83	0.67	8.5	19%		8.725	5.203	13.928	9%			5.91	5.43	91.88%	
				Commercial/Industrial-HT	0	0	0	0%	2	0.02	2.02	4%		3.089	0.06	3.149	2%			1.81	1.73	95.58%	
				Others	251	107	358	1%	3.34	0.75	4.09	9%		45.001	0.477	45.478	30%			31.59	32.36	102.44%	
Sub-total					34942	19704	54646	100%	34.12	11.15	45.27	100%	262.24	98.635	55.491	154.126	100%	108.11	41%	63.55	52.93	83.29%	51%
11	Kishtwar	JPDCL-05	Electric Division-Doda	Residential	25216	22677	47893	90%	22.68	18.55	41.23	75%	251.2	61.642	49.902	111.544	76%	104.78	42%	19.021	14.264	74.99%	
				Agricultural	0	0	0	0%	0	0	0	0%		0	0	0	0%			0	0	0.00%	
				Commercial/Industrial-LT	4930	0	4930	9%	10.08	0	10.08	18%		26.521	0	26.521	18%			6.307	5.929	94.01%	
				Commercial/Industrial-HT	0	0	0	0%	0	0	0	0%		0	0	0	0%			0	0	0.00%	
				Others	670	0	670	1%	3.78	0	3.78	7%		8.355	0	8.355	6%			2.62	6.283	239.81%	
Sub-total					30816	22677	53493	100%	36.54	18.55	55.09	100%	251.2	96.518	49.902	146.42	100%	104.78	42%	27.948	26.476	94.73%	45%
12	Kishtwar	JPDCL-05	Electric Division-Kishtwar	Residential	22604	24375	46979	93%	24.521	23.56	48.081	71%	292.58	55.803	64.34	120.143	65%	108.08	37%	15.26	12.173	79.77%	
				Agricultural	1	0	1	0%	0.007	0	0.007	0%		0	0.11	0.11	0%			0	0	0.00%	
				Commercial/Industrial-LT	3029	9	3038	6%	9.56	0.73	10.29	15%		2.546	0.285	2.831	2%			0.441	0.138	31.29%	
				Commercial/Industrial-HT	7	2	9	0%	0.651	0.073	0.724	1%		1.372	0.154	1.526	1%			0.673	0.141	20.95%	
				Others	600	17	617	1%	6.097	2.614	8.711	13%		42.475	17.411	59.886	32%			21.24	24.942	117.43%	
Sub-total					26241	24403	50644	100%	40.836	26.977	67.813	100%	292.58	102.2	82.3	184.496	100%	108.08	37%	37.614	37.394	99.42%	37%

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13	Total	JPDCL	Residential	626925	324225	951150	86%	848.04022	266.2748	1114.315	49%	7668.4548	1180.3	448.8328	1629.173	34%	2875.8	38%	486.6249	373.1279	76.68%	
			Agricultural	21954	440	22394	2%	97.8029	1.904757	99.70766	4%		226.17	4.767157	230.9394	5%			42.67754	26.19912	61.39%	
			Commercial/Industrial-LT	116244	6761	123005	11%	406.09931	15.75085	421.8502	19%		524.51	69.36422	593.8718	12%			240.0578	196.0162	81.65%	
			Commercial/Industrial-HT	656	6	662	0%	352.30875	0.273	352.5818	15%		1096	1.064056	1097.069	23%			416.4538	393.3063	94.44%	
			Others	9660	824	10484	1%	253.68569	37.5257	291.2114	13%		1105.6	136.0047	1241.592	26%			684.059	708.877	103.63%	
14	AT COMPANY LEVEL	JPDCL	ALL CATEGORY	775439	332256	1107695	100%	1957.9369	321.7291	2279.666	100%	7668.4548	4132.6	660.0329	4792.645	100%	2875.8	38%	1869.873	1697.526	90.78%	43%

** Note - It shall be mandatory to record the energy supplied separately for each category of consumers which is being provided a separate rate of subsidy in the tariff, by the state government, so that the subsidy due for the electricity distribution company is quarterly calculated by multiplying the energy supplied to each of such category of consumers by the applicable rate of subsidy notified by the state government.

Color code	Parameter
	Please enter name of circle
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0	Please enter numeric value or 0
	Formula protected

I/We undertake that the information supplied in this Document and Pro-forma is accurate to the best of my knowledge and if any of the information supplied is found to be incorrect and such information result into loss to the Central Government or State Government or any of the authority under them or any other person affected, I/we undertake to indemnify such loss.

Authorised Signatory and Seal

Chief Engineer
Distribution, JPDCL
Jammu

Signature:-
Name of Energy Manager:
Registration Number:

Form-Input energy(Details of Input energy & Infrastructure)

A. Summary of Energy Input & Infrastructure
Period From : 1st April, 2021 to 31st March, 2022

S.No	Parameters	Period From : 1st April, 2020 to 31st March, 2021	Remarks (Source of data)
A.1	Input Energy purchased (MU)	7824.984	Data from SLDC
A.2	Transmission loss (%)	2%	Formula protected
A.3	Transmission loss (MU)	156.474551	Formula protected
A.4	Energy sold outside the periphery(MU)	0	NA
A.5	Open access sale (MU)	0	NA
A.6	EHT sale	0	NA
A.7	Net input energy (received at DISCOM periphery or at distribution point)-(MU)	7668.51	
A.8	Is 100% metering available at 66/33 kV (Select yes or no from list)	No	
A.9	Is 100% metering available at 11 kV (Select yes or no from list)	No	
A.10	% of metering available at DT	17.98%	Data linked with Infra Sheet
A.11	% of metering available at consumer end	70.00%	Data linked with Infra Sheet
A.12	No of feeders at 66kV or above voltage level	17	Count from Part-B of This Sheet
A.13	No of feeders at 33kV voltage level	121	Count from Part-B of This Sheet
A.14	No of feeders at 11kV voltage level	1210	
A.15	No of LT feeders level	0	NA
A.16	Line length (ckt. km) at 66kV voltage level	265.83	Data linked with Infra Sheet
A.17	Line length (ckt. km) at 33kV voltage level	2948.28	Data linked with Infra Sheet
A.18	Line length (ckt. km) at 11kV voltage level	24403.334	Data linked with Infra Sheet
A.19	Line length (km) at LT level	60145.066	Data linked with Infra Sheet
A.20	Length of Aerial Bunched Cables	1745.075	Data linked with Infra Sheet
A.21	Length of Underground Cables	31.2	Data linked with Infra Sheet
A.22	HT/LT ratio	0.41	Formula protected

B. Meter reading of Input energy at injection points
Period From : 1st April, 2021 to 31st March, 2022

S.No	Zone	Circle	Voltge Level (KVA)	Division (KVA)	Sub-Division (KVA)	Feeder ID	Feeder Name	Feeder Metering Status (Metered/ unmetered/ AMI/AMR)	Status of Meter (Functional/Non-functional)	Metering Date	Feeder Type (Agri/ Industrial/Mixed)	Status of Communication			Period From : 1st April, 2021 to 31st March, 2022				Sales	Remarks (Source of data)
										Date of last actual meter reading/ communication		% data received through automatically if feeder AMR/AM	Number of hours when meter was unable to communi	Total Number of hours in the period	Meter S.No	CT/PT ratio	Import (MU)	Export (MU)		
B.1	JPDCL	Jammu	33KV	STD-I	I		33 KV Janipur-New Sectt. Line	Metered	Functional		Mixed	N/A	N/A	N/A	X1483126	1200/600/300-1A	79.15			
B.2	JPDCL	Jammu	33KV	STD-I	I		33 KV G4 Line	Metered	Functional		Mixed	N/A	N/A	N/A	JKB444130	1200/600/300-1A	62.12			
B.3	JPDCL	Jammu	33KV	STD-I	I		33 KV Canal-Medical Line	Metered	Functional		Mixed	N/A	N/A	N/A	20002317	1200/600/300-1A	76.26			
B.4	JPDCL	Jammu	33KV	STD-I	I		33 KV Barn-Purkhoo line	Metered	Functional		Mixed	N/A	N/A	N/A	X1162573	1200/800/400-1A	104.10			
B.5	JPDCL	Jammu	33KV	STD-I	II		Akhnoor	Metered	Functional		Mixed	N/A	N/A	N/A	20002318	1200/600/300-1A	54.90			
B.6	JPDCL	Jammu	33KV	STD-I	II		Jourian	Metered	Functional		Mixed	N/A	N/A	N/A	20002321	1200/600/300-1A	86.65			
B.7	JPDCL	Jammu	33KV	STD-I	II		Ranjan Sarote	Metered	Functional		Mixed	N/A	N/A	N/A	20002326	800/400/200-1A	10.99			
B.8	JPDCL	Jammu	33KV	STD-I	II		Tanda	Metered	Functional		Mixed	N/A	N/A	N/A	20002329	1200/600/300-1A	48.38			
B.9	JPDCL	Jammu	33KV	STD-I	II		Pargwal	Metered	Functional		Mixed	N/A	N/A	N/A	20002320	800/400/200-1A	18.72			
B.10	JPDCL	Jammu	33KV	STD-I	II		Khour	Metered	Functional		Mixed	N/A	N/A	N/A	10059757	1200/600/300-1A	52.35			
B.11	JPDCL	Jammu	33KV	STD-I	II		Phariwala	Metered	Functional		Mixed	N/A	N/A	N/A	10059774	1200/600/300-1A	19.36			
B.12	JPDCL	Jammu	33KV	STD-I	II		Jogwan	Metered	Functional		Mixed	N/A	N/A	N/A	10059758	1200/600/300-1A	4.58			
B.13	JPDCL	Jammu	33KV	STD-I	III		G9 Gladni Dhounthly	Metered	Functional		Mixed	N/A	N/A	N/A	JKB44154	600/1A	30.07			
B.14	JPDCL	Jammu	33KV	STD-I	III		Jajjar Kotli-Dansal Jindrah	Metered	Functional		Mixed	N/A	N/A	N/A	JKB28891	600/1A	41.41			
B.15	JPDCL	Jammu	33KV	STD-I	III		Barn-Jagti-Nagrota	Metered	Functional		Mixed	N/A	N/A	N/A	X1162571	400/1A	65.69			
B.16	JPDCL	Jammu	33KV	STD-I	III		Barn-Bhalwal-Thather Bantalab-Roop Nagar	Metered	Functional		Mixed	N/A	N/A	N/A	X1162544	400/1A	84.40			
B.17	JPDCL	Jammu	33KV	STD-I	III		Barn-Gharota, Chak Bhalwal	Metered	Functional		Mixed	N/A	N/A	N/A	X1295996	400/1A	30.29			
B.18	JPDCL	Jammu	33KV	STD-I	III		Janipur-Subash Nagar	Metered	Functional		Mixed	N/A	N/A	N/A	X1483100	300/1A	46.30			
B.19	JPDCL	Jammu	33KV	STD-I	III		Janipur-Janipur New Subash Nagar Roop Nagar	Metered	Functional		Mixed	N/A	N/A	N/A	X1483101	600/1A	184.26			
B.20	JPDCL	Jammu	33KV	STD-I	III		Janipur Sheetli	Metered	Functional		Mixed	N/A	N/A	N/A	X1483127	600/1A	37.37			
B.21	JPDCL	Jammu	33KV	STD-I	III		Sidhra Dhounthly	Metered	Functional		Mixed	N/A	N/A	N/A	X1734327	400/1A	27.75			
B.22	JPDCL	Jammu	33KV	STD-I	IV		PC1	Metered	Functional		Mixed	N/A	N/A	N/A	11068615	1200/600/300/1A	61.11			
B.23	JPDCL	Jammu	33KV	STD-I	IV		PC3	Metered	Functional		Mixed	N/A	N/A	N/A	11068591	1200/600/300/1A	70.69			
B.24	JPDCL	Jammu	33KV	STD-I	IV		PC4	Metered	Functional		Mixed	N/A	N/A	N/A	11068618	1200/600/300/1A	81.42			
B.25	JPDCL	Jammu	33KV	STD-I	IV		Kanachak Tap Line	Metered	Functional		Mixed	N/A	N/A	N/A		1200/600/300/1A	22.42			

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B.26	JPDCL	Jammu	33KV	STD-I	IV	Canal Line	Metered	Functional		Mixed	N/A	N/A	N/A	20002311	1200/600/300/1A	**45.29**			
B.27	JPDCL	Jammu	33KV	STD-I	IV	Canal-Toph Line	Metered	Functional		Mixed	N/A	N/A	N/A	20002314	1200/600/300/1A	**43.14**			
B.28	JPDCL	Jammu	33KV	STD-I	IV	Canal-Company Bagh Line	Metered	Functional		Mixed	N/A	N/A	N/A	20002325	1200/600/300/1A	**27.44**			
B.29	JPDCL	Jammu	33KV	STD-I	IV	Canal-Shakti Nagar Line	Metered	Functional		Mixed	N/A	N/A	N/A	20002323	1200/600/300/1A	**25.03**			
B.30	JPDCL	Jammu	33KV	STD-I	IV	Janipur-Muthi Line	Metered	Functional		Mixed	N/A	N/A	N/A	x1483121	1200/600/300/1A	54.544			
B.31	JPDCL	Jammu	33	STD-II	SD-I	G-2	Metered	Functional		Mixed				Not Available	Not Available	71.22			
B.32	JPDCL	Jammu	33	STD-II	SD-I	G-3	Metered	Functional		Mixed				Not Available	Not Available	61.30			
B.33	JPDCL	Jammu	33	STD-II	SD-I	G-5	Metered	Functional		Mixed				Not Available	Not Available	49.43			
B.34	JPDCL	Jammu	33	STD-II	SD-I	G-6	Metered	Functional		Mixed				Not Available	Not Available	95.63			
B.35	JPDCL	Jammu	33	STD-II	SD-I	G-7	Metered	Functional		Mixed				Not Available	Not Available	92.07			
B.36	JPDCL	Jammu	33	STD-II	SD-I	G-8	Metered	Functional		Mixed				Not Available	Not Available	14.42			
B.37	JPDCL	Jammu	33	STD-II	SD-I	GG-1	Metered	Functional		Mixed				JKB18017	/1A & 33 kV/0.11 kV	54.53			
B.38	JPDCL	Jammu	33	STD-II	SD-I	GG-2	Metered	Functional		Mixed				KAU07588	300/1A & 132 kV/0.11 kV	34.21			
B.39	JPDCL	Jammu	33	STD-II	SD-I	GG-3	Metered	Functional		Mixed				KAB09418	800/1A & 33 kV/0.11 kV	65.93			
B.40	JPDCL	Jammu	33	STD-II	SD-I	GG-4	Metered	Functional		Mixed				KAB09416	800/1A & 33 kV/0.11 kV	49.85			
B.41	JPDCL	Jammu	33	STD-II	SD-I	Sidhra line	Metered	Functional		Mixed				X1734329	400/1A & 33/0.11 kV	24.76			
B.42	JPDCL	Jammu	33	STD-II	SD-I	Malhori line	Metered	Functional		Mixed				X1734330	400/1A & 33/0.11 kV	16.31			
B.43	JPDCL	Jammu	33	STD-II	SD-I	Bahu Fort line	Metered	Functional		Mixed				X1734326	400/1A & 33/0.11 kV	30.93			
B.44	JPDCL	Jammu	33	STD-II	SD-I	Seora Line	Metered	Functional		Mixed				KAB09424	800/1A & 33/0.11 kV	31.70			
B.45	JPDCL	Jammu	33	STD-II	SD-II	Bishnah	Metered	Functional		Rural / Agriculture			SECURE , KAB09		1200/800/400/1A	104.26			
B.46	JPDCL	Jammu	33	STD-II	SD-II	Suhagpur	Metered	Functional		Rural / Agriculture			SECURE , KAB09		1200/800/400/1A	54.20			
B.47	JPDCL	Jammu	33	STD-II	SD-II	Salehar	Metered	Functional		Rural / Agriculture			SECURE , KAB09		1200/800/400/1A	55.45			
B.48	JPDCL	Jammu	33	STD-II	SD-II	Miransahib	Metered	Functional		Rural / Agriculture			SECURE , JKB11		1200/800/400/1A	88.27			
B.49	JPDCL	Jammu	33	STD-II	SD-II	Kulhan	Metered	Functional		Rural / Agriculture			SECURE , JKB32		1200/600/300/1A	74.08			
B.50	JPDCL	Jammu	33	STD-II	SD-II	Gadigarh	Metered	Functional		Rural / Agriculture			SECURE , JKB32		1200/800/400/1A	109.19			
B.51	JPDCL	Jammu	33	STD-II	SD-II	R.S Pura	Metered	Functional		Rural / Agriculture			SECURE , JKB32		1200/600/300/1A	116.74			
B.52	JPDCL	Jammu	33	STD-II	SD-II	Biaspur	Metered	Functional		Rural / Agriculture			SECURE , JKB32		800/400/200/1A	102.96			
B.53	JPDCL	Jammu	33	STD-II	SD-II	Satwari	Metered	Functional		Urban			L&T , 2000231		1200/600/1A	87.75			
B.54	JPDCL	Jammu	33	STD-II	SD-II	Canal-Chatha	Metered	Functional		Rural / Agriculture			L&T , 2000232		1200/600/1A	47.15			
B.55	JPDCL	Jammu	33	STD-II	SD-III	Kartholi	Metered	Functional		Industrial				JKB33994	800-400-200/1A	73.90			
B.56	JPDCL	Jammu	33	STD-II	SD-III	BB-1	Metered	Functional		Industrial				X1196603	800-400-200/1A	54.62			
B.57	JPDCL	Jammu	33	STD-II	SD-III	Ratnuchak	Metered	Functional		Mixed				X1196599	800-400-200/1A	74.50			
B.58	JPDCL	Jammu	33	STD-II	SD-III	Mandal	Metered	Functional		Rural				X1196602	800-400-200/1A	89.35			
B.59	JPDCL	Jammu	33	STD-II	SD-III	BB-3	Metered	Functional		Industrial				X1738243	800-400-200/1A	83.59			
B.60	JPDCL	Jammu	33	STD-II	SD-III	BB-2 + Uffoc	Metered	Functional		Industrial				JKB28589	1200-600-300/1A	140.51			
B.61	JPDCL	Jammu	33	STD-II	SD-III	Vijaypur	Metered	Functional		Mixed				JKB28585	1200-600-300/1A	63.28			
B.62	JPDCL	Jammu	33	STD-II	SD-III	Jakh	Metered	Functional		Mixed				JKB28586	1200-600-300/1A	75.83			
B.63	JPDCL	Jammu	33	STD-II	SD-III	Narbada	Metered	Functional		Industrial				JKB28582	1200-600-300/1A	109.99			
B.64	JPDCL	Jammu	33	STD-II	SD-III	Birpur Complex	Metered	Functional		Mixed				JKB28587	800-400-200/1A	93.04			
B.65	JPDCL	Jammu	33	STD-II	SD-III	Ramgarh	Metered	Functional		Rural				KAB09421	800-400-200/1A	51.61			
B.66	JPDCL	Jammu	33	STD-II	SD-III	Nandpur	Metered	Functional		Mixed				KAB09426	800-400-200/1A	49.92			
B.67	JPDCL	Jammu	66	STD-II	SD-III	Samba	Metered	Functional		Mixed				X1295977	400-200-100/1-1-1A	100.20			
B.68	JPDCL	Jammu	66	STD-II	SD-III	IGC	Metered	Functional		Mixed				X1162555	400-200-100/1-1-1A	108.72			
B.69	JPDCL	Jammu	66	STD-II	SD-III	Thalote (Sunjh)	Metered	Functional		Mixed				X1162554	400-200-100/1-1-1A	33.92			
B.70	JPDCL	Jammu	66	STD-II	SD-III	Coca Cola	Meter not installed	Non-Functional		Mixed				-	1250/625/1/1-1A	79.86			
B.71	JPDCL	Jammu	31.5 MVA 132/11 KV	STD-II	SD-III	31.5 MVA 132/11 KV Incommer	Metered	Metered		Mixed				JKB28594	800/400/200/1A	53.56			
B.72	JPDCL	Kathua	66KV	Kathua	kathua	66 KV Hatlimorh feeder	Metered	Functional		Mixed	NA	NA	NA	XII96606	600-300/1A	**56.39**			
B.73	JPDCL	Kathua	66KV	Kathua	kathua	66 KV TPK line	Metered	Functional		Mixed	NA	NA	NA	XII96613	600-300/1A	**42.33**			
B.74	JPDCL	Kathua	66KV	Kathua	kathua	66KV Industry Line	Metered	Functional		Industry	NA	NA	NA	XII96604	600-300/1A	**259.87**			
B.75	JPDCL	Kathua	66KV	Kathua	kathua	66KV Changra Line	Metered	Functional		Mixed	NA	NA	NA	XII96607	600-300/1A	**168.04**			
B.76	JPDCL	Kathua	66KV	Kathua	kathua	66KV Hatli Village	Metered	Functional		Mixed	NA	NA	NA	XII96605	600-300/1A	**49.85**			
B.77	JPDCL	Kathua	66KV	Kathua	kathua	66KV SICOP-2 Feeder	Metered	Functional		Industry	NA	NA	NA	XII96611	600-300/1A	**14.23**			
B.78	JPDCL	Kathua	66KV	Kathua	kathua	Pathankot –Kathua Line	Metered	Functional		Mixed	NA	NA	NA	HT01130084	250/1A	**42.01**			
B.79	JPDCL	Kathua	66KV	Kathua	kathua	66KV Sarna Kathua Line	Metered	Functional		Mixed	NA	NA	NA	8009335	400-200-100/1A	**26.21**			
B.80	JPDCL	Kathua	66KV	Kathua	kathua	66 KV Nanan- Ghatti-Channi-Marheen-Rahaanu Line	Unmetered	NA		Mixed	NA	NA	NA	NA	NA	**143.56**			
B.81	JPDCL	Kathua	66KV	Kathua	kathua	66 KV CKT-IV Hiranagar-II	Metered	Functional		Mixed	NA	NA	NA	JKB08761	400-200-100/1A	**40.26**			
B.82	JPDCL	Kathua	66KV	Kathua	kathua	66KV Samba-Ghagwal Rajpura Line	Metered	Functional		Mixed	NA	NA	NA	X1295977	400-200-100/1A	**57.07**			
B.83	JPDCL	Kathua	66KV	Kathua	kathua	66KV Hiranagar Line Ckt-I	Metered	Functional		Mixed	NA	NA	NA	02260846	300-150/1A	**54.51**			
B.84	JPDCL	Kathua	33KV	Kathua	kathua	66 KV Hiranagar-Ramkot Line	Metered	Functional		Mixed	NA	NA	NA	02260847	300-150/1A	**31.63**			
B.85	JPDCL	Kathua	33KV	Kathua	kathua	33KV Billawar Line	Metered	Functional		Mixed	NA	NA	NA	JKU00032	400-200-100/1A	**52.91**			
B.86	JPDCL	Kathua	33KV	Kathua	kathua	33KV Mahanpur Line	Metered	Functional		Mixed	NA	NA	NA	JKU00028	400-200-100/1A	**16.69**			
B.87	JPDCL	Kathua	33KV	Kathua	kathua	33KV Basohli Line	Metered	Functional		Mixed	NA	NA	NA	JKU00036	400-200-100/1A	**48.27**			
B.88	JPDCL	RAJOURI	33kv	STD-IV	KALAKOTE	KALAKOTE	METERED	FUNCTIONAL		MIXED	NA	NA	NA	X1296007	800/400/200/5A	44.54			
B.89	JPDCL	RAJOURI	33kv	STD-IV	KALAKOTE	SUNDERBANI	METERED	FUNCTIONAL		MIXED	NA	NA	NA	XD434904	1200/600/300/1	59.35			
B.90	JPDCL	RAJOURI	33kv	STD-IV	KALAKOTE	JHULLA LOC	METERED	FUNCTIONAL		MIXED	NA	NA	NA	XD434907	1200/600/300/1	1.03			
B.91	JPDCL	RAJOURI	33kv	STD-IV	KALAKOTE	MES NOWSHERA	METERED	FUNCTIONAL		MIXED	NA	NA	NA	XD434906	1200/600/300/1	4.61			

B.92	JPDCL	RAJOURI	33kv	STD-IV	KALAKOTE	THUDDI	METERED	FUNCTIONAL		MIXED	NA	NA	NA	X1162549	600/1	47.59			
B.93	JPDCL	RAJOURI	33kv	STD-IV	KALAKOTE	KHEORA	METERED	FUNCTIONAL		MIXED	NA	NA	NA	X1162530	600/1	48.89			
B.94	JPDCL	RAJOURI	33kv	STD-IV	KALAKOTE	THANNAMANDI	METERED	FUNCTIONAL		MIXED	NA	NA	NA	JKB28868	600/1	81.43			
B.95	JPDCL	RAJOURI	33kv	STD-IV	KALAKOTE	KOTRANKA	METERED	FUNCTIONAL		MIXED	NA	NA	NA	JKB28869	600/1	61.67			
B.96	JPDCL	RAJOURI	33kv	STD-IV	KALAKOTE	BGSBU	METERED	FUNCTIONAL		MIXED	NA	NA	NA	X12959978	600/1	15.11			
B.97	JPDCL	RAJOURI	33kv	STD-IV	KALAKOTE	MANJAKOTE	METERED	FUNCTIONAL		MIXED	NA	NA	NA	X1162542	600/1	57.93			
B.98	JPDCL	RAJOURI	33kv	STD-IV	KALAKOTE	POONCH-II	METERED	FUNCTIONAL		MIXED	NA	NA	NA	JKB28864	400	67.67			
B.99	JPDCL	RAJOURI	33kv	STD-IV	KALAKOTE	BHATATHURIAN	METERED	FUNCTIONAL		MIXED	NA	NA	NA	X1295995	400	36.51			
B.100	JPDCL	RAJOURI	33kv	STD-IV	KALAKOTE	POONCH-I	METERED	FUNCTIONAL		MIXED	NA	NA	NA	X1162528	400	43.57			
B.101	JPDCL	RAJOURI	33kv	STD-IV	KALAKOTE	NOWSHERA	METERED	FUNCTIONAL		MIXED	NA	NA	NA	XD434904	1200/600/300/1	80.49			
B.102	JPDCL	Rajouri	33kv	STD-IV	KALAKOTE	SAILSUI	METERED	FUNCTIONAL		MIXED	NA	NA	NA	JKB28267	1200/800/400/5	73.08			
B.103	JPDCL	RAJOURI	33KV	STD-IV	KALAKOTE	CHANDAK KAMSER	METERED	FUNCTIONAL		MIXED	NA	NA	NA	ABB04027	1200/800/400/5A	23.22			
B.104	JPDCL	RAJOURI	33KV	STD-IV	KALAKOTE	CHANDAK CHULLAS	METERED	FUNCTIONAL		MIXED	NA	NA	NA	ABB04029	1200/600/300/1	10.28			
B.105	JPDCL	BATOTE	33KV	STD-UDH		Udhampur		FUNCTIONAL		mixed						103.74			
B.106	JPDCL	BATOTE	33KV	STD-UDH		Army		FUNCTIONAL		mixed						57.38			
B.107	JPDCL	BATOTE	33KV	STD-UDH		Ramnagar		FUNCTIONAL		mixed						62.99			
B.108	JPDCL	BATOTE	33KV	STD-UDH		Chenani		FUNCTIONAL		mixed						46.77			
B.109	JPDCL	BATOTE	33KV	STD-UDH		Phalata		FUNCTIONAL		mixed						33.49			
B.110	JPDCL	BATOTE	33KV	STD-UDH		DIC		FUNCTIONAL		mixed						23.70			
B.111	JPDCL	BATOTE	33KV	STD-UDH		Battal		FUNCTIONAL		mixed						24.36			
B.112	JPDCL	BATOTE	33KV	STD-UDH		Air force		FUNCTIONAL		mixed						5.99			
B.113	JPDCL	BATOTE	33KV	STD-UDH		Katra- jajjar Kotli		FUNCTIONAL		mixed						81.68			
B.114	JPDCL	BATOTE	33KV	STD-UDH		Tarakot		FUNCTIONAL		mixed						33.83			
B.115	JPDCL	BATOTE	33KV	STD-UDH		Panthal		FUNCTIONAL		mixed						25.10			
B.116	JPDCL	BATOTE	33KV	STD-UDH		Reasi-I		FUNCTIONAL		mixed						63.21			
B.117	JPDCL	BATOTE	33KV	STD-UDH		Reasi-II		FUNCTIONAL		mixed						73.13			
B.118	JPDCL	BATOTE	33KV	STD-UDH		SMVDU		FUNCTIONAL		mixed						6.90			
B.119	JPDCL	BATOTE	33KV	STD-UDH		Railway		FUNCTIONAL		mixed						1.85			
B.120	JPDCL	BATOTE	33KV	STD-UDH		PHE - Tarakot		FUNCTIONAL		mixed						0.42			
B.121	JPDCL	BATOTE	33KV	STD-UDH		Batote		FUNCTIONAL		mixed						32.84			
B.122	JPDCL	BATOTE	33KV	STD-UDH		Chanderkote		FUNCTIONAL		mixed						13.27			
B.123	JPDCL	BATOTE	33KV	STD-UDH		Ramban		FUNCTIONAL		mixed						31.83			
B.124	JPDCL	BATOTE	33KV	STD-UDH		Banihal		FUNCTIONAL		mixed						79.793			
B.125	JPDCL	BATOTE	33KV	STD-UDH		Chareel		FUNCTIONAL		mixed						33.211			
B.126	JPDCL	BATOTE	33KV	STD-UDH		Assar		FUNCTIONAL		mixed						8.43			
B.127	JPDCL	BATOTE	33KV	STD-UDH		Gool		FUNCTIONAL		mixed						41.04			
B.128	JPDCL	KISHTWAR	33KV	STD DODA		DODA	METERED	FUNCTIONAL								76.00			
B.129	JPDCL	KISHTWAR	33KV	STD DODA		BHADERWAH-I	METERED	FUNCTIONAL								57.00			
B.130	JPDCL	KISHTWAR	33KV	STD DODA		BHADERWAH-II	METERED	FUNCTIONAL								55.00			
B.131	JPDCL	KISHTWAR	33KV	STD DODA		THATHRI	METERED	FUNCTIONAL								59.21			
B.132	JPDCL	KISHTWAR	33KV	STD DODA		MARMAT	METERED	FUNCTIONAL								20.00			
B.133	JPDCL	KISHTWAR	33KV	STD DODA		MALIPETH-I	METERED	FUNCTIONAL								47.00			
B.134	JPDCL	KISHTWAR	33KV	STD DODA		MALIPETH-II	METERED	FUNCTIONAL								29.07			
B.135	JPDCL	KISHTWAR	33KV	STD DODA		DADPETH	METERED	FUNCTIONAL								65.00			
B.136	JPDCL	KISHTWAR	33KV	STD DODA		SARTHAL	METERED	FUNCTIONAL								32.60			
B.137	JPDCL	KISHTWAR	33KV	STD DODA		CVPP (Dedicated)	METERED	FUNCTIONAL								5.66			
B.138	JPDCL	KISHTWAR	33KV	STD DODA		NHPC (Dedicated)	METERED	FUNCTIONAL								11.31			
	Total (MU)															7668.51	0.00		
	Net input energy at DISCOM periphery (MU)																7668.51		

Color code			Parameter
			Please enter voltage level or leave blank
			Please enter feeder id and name or leave blank
			Enter meter no or leave blank
			Enter CT/PT ratio or leave blank
0			Please enter numeric value or 0
			Please select yes or no from list
			Formula protected

I/We undertake that the information supplied in this Document and Pro-forma is accurate to the best of my knowledge and if any of the information supplied is found to be incorrect and such information result into loss to the Central Government or State Government or any of the authority under them or any other person affected, I/we undertake to indemnify such loss.

1 Signatory and Seal

Chief Engineer
Distribution, JPDCL
Jammu

Authorised Signatory
of the DISCOM:
Address:-

Signature:-
Name of Energy Manager*:
Registration Number:

Details of Input Energy Sources

Period From Ist April, 2021 to 31st March, 2022

A. Generation at Transmission Periphery (Details)

S.No.	Name of Generation Station	Generation Capacity (In MW)	Type of Station Generation (Based- Solid (Coal ,Lignite)/Liquid/Gas/Renewable (biomass-bagasse)/Others)	Type of Contract (in years/months/days)	Type of Grid (Intra-state/Inter-state)	Point of Connection (POC) Loss MU	Voltage Level (At input)	Remarks (Source of data)
1	SINGRAULI	2000	Coal	Shall remian operative as per policy of GoI	ISGS			
2	RIHAND-1	1000	Coal	25 years	ISGS		132	
3	RIHAND-2	1000	Coal	25 years	ISGS		132	
4	RIHAND-3	1000	Coal	25 years	ISGS		132	
5	UNCHAR-I	420	Coal	25 years	ISGS			
6	UNCHAR-II	420	Coal	25 years	ISGS			
7	UNCHAR-III	210	Coal	25 years	ISGS			
8	UNCHAR-IV	500	Coal	25 years	ISGS			
9	ANTA (G)	419	Gas	15 years	ISGS			
10	AURIYA (G)	663	Gas	15 years	ISGS			
11	DADRI (G)	830	Gas	35734	ISGS			
12	JHAJJAR	1500	Coal	Shall remian operative as per policy of GoI	ISGS			
13	DADRI STAGE-II	980	Coal	Shall remian operative as per policy of GoI	ISGS			
14	KOLDAM	800	Hydro	35 years	ISGS			
15	SINGRAULI SHP	8	Hydro	Shall remian operative as per policy of GoI	ISGS			
16	TandaTPS	1320	Coal	25 years	ISGS			
17	MEJA	1320	Coal	25 years	ISGS			
18	SALAL	690	Hydro	Extended for 35 yrs from COD (01-04-1995)	ISGS		220	
19	T.PUR	94	Hydro	Extended for 35 yrs from COD (01-04-1993)	ISGS			
20	CHEMERA 1	540	Hydro	Extended for 35 yrs from COD (01-05-1994)	ISGS			
21	CHEMERA 2	300	Hydro	Extended for 35 yrs from COD (31-03-2004)	ISGS			
22	CHEMERA 3	231	Hydro	Extended upto 5 yrs from COD (03-07-2012) upto 03-07-2017	ISGS			
23	URI 1	480	Hydro	Extended for 35 yrs from COD (01-06-1997)	State			
24	URI2	240	Hydro	Extended for 5 yrs up to 29-02-2024	State			
25	DHAULIGANGA	280	Hydro	35 years	ISGS			
26	DUL HASTI	390	Hydro	Extended for 35 yrs from COD (07-04-2007)	State			
27	SEWA-2	120	Hydro	Extended for 35 yrs from COD (24-07-2010)	State			
28	PARBATI-III	520	Hydro	Extended upto 5 yrs from COD (05-06-2014) upto 05-06-2019	ISGS			
29	KISHANGANGA	330	Hydro	5 years	ISGS			
30	Nimmo Bazgo	45	Hydro	35 years	State			
31	Chutak	44	Hydro	35 years	State			
32	NAPS	440	Nuclear	15 years	ISGS			
33	RAPS-B	440	Nuclear	15 years	ISGS			
34	RAPS-C # 5&6	440	Nuclear	15 years	ISGs			
35	N-JHAKHARI	1500	Hydro	First signed on 27.11.2010 (came into force w.e.f 18.05.2009, Extended on 16.11.2013 (came into force 18.05.2014 again got extended on 17.05.2019 (came into force on 18.05.2019) 17/05/2024	ISGS			
36	RAMPUR	412.02	Hydro	35 years	ISGS			
37	FRKKA	1600	Coal	01 year	ISGS			
38	KHLGN-1	840	Coal	25 years	ISGS			
39	KHLGN-2	1500	Coal	25 years	ISGS			
40	TLCHR	1000	Coal	01 year	ISGS			
41	MEJIA-6	250	Coal		ISGS			
42	TEHRI	1000	Hydro	35 years	ISGS			
43	KOTESHWAR	400	Hydro	35 years	ISGS			
44	TALA	1020	Hydro		ISGS			
45	Baghliar HEP-I	450	Hydro	20 years	State		220	
46	Baghliar HEP-II	450	Hydro	35 years	State		220	
47	LJHP	105	Hydro	15 years	State		132	
48	USHP-I	22.5	Hydro	15 years	State		132	
49	USHP-II	105	Hydro	15 years	State		132	

Period From 1st April, 2021 to 31st March, 2022

B. Embedded Generation in DISCOM Area

S.No	Name of Generation Station	Generation Capacity (In MW)	Tytpe of Station (Generation Based-Solid/Liquid/Gas/Renewable/Others)	Type of Contract	Type of Grid	Voltage Level (KVA)	Circle Load (MW)	Received at Circle (KVA)	Received at Circle (In MU)	Division Level Load (MW)	Received at Division Level (KVA)	Received at Division Level (In MU)	Sub-Division Level Load (MW)	Received at Sub-Division Level (KVA)	Received at Sub-Division Level (In MU)	Remarks (Source of data)
1	Khari	13.997	Renewable		Renewable Source	33kV		13.977	13.977			13.977			13.977	SLDC

(E.M)

Chief Engineer
Distribution, JPDCL
Jammu

(Details of Consumers)

Summary of Energy Sold

Period From Ist April, 2021 to 31st March, 2022

S.No	Type of Consumers	Category of Consumers (EHT/HT/LT/Others)	Voltage Level (In Voltage)	No of Consumers	Total Consumption (In MU)	Remarks (Source of data)
1	Domestic	LT	LT	951150	1661.61853	
2(a)	Commercial	LT	LT	110850	405.6542945	
2(b)	Commercial	HT	11kV	2263	123.6645456	
3(a)	State/Central Govt. Department	LT	LT	8032	246.9216748	
3(b)	State/Central Govt. Department	HT	11kV	119	64.44638633	
3(c)	State/Central Govt. Department(33kV or 66kV)	EHT	33kV and above	21	89.032	
4	Agricultural	LT	LT	22394	256.0955227	
5	Public street lighting	LT	LT	174	105.767507	
6	LT PHE/Public Water Works	LT	LT	1748	325.6339658	
7(a)	HT PHE/Public Water Works	HT	11kV	234	150.726	
7(b)	HT PHE/Public Water Works	EHT	33kV and above	0	0	
8	LT Industrial Supply	LT	LT	9892	178.57	
9(a)	HT Indutrial Supply	HT	11kV	620	473.1961913	
9(b)	HT Indutrial Supply	EHT	33kV and above	27	335.9156	
10(a)	HT PIU	HT	11kV	0	0	
10(b)	HT PIU	EHT	33kV and above	13	122.6	
11(a)	Bulk Supply	HT	11kV	136	139.2979088	
11(b)	Bulk Supply	EHT	33kV and above	19	72.077	
12(a)	Electric Vehicle(EV) Charging	LT	LT	0	0	
12(b)	Electric Vehicle(EV) Charging	HT	11kV	0	0	
12(c)	Electric Vehicle(EV) Charging	EHT	33kV and above	0	0	
13(a)	Traction	LT	LT	0	0	
13(b)	Traction	HT	11kV	0	0	
13(c)	Traction	EHT	33kV and above	3	41.206	
14	Others-1 (if any , specify in remarks)Agriculture/Irrigation	EHT	33kV and above	0	0	
15	Others-1 (if any , specify in remarks)Agriculture/Irrigation	HT	11kV	0	0	
16	Others-1 (if any , specify in remarks)			0	0	
17	Others-1 (if any , specify in remarks)			0	0	
18	Others-1 (if any , specify in remarks)			0	0	
19	Others-1 (if any , specify in remarks)			0	0	
20	Others-1 (if any , specify in remarks)			0	0	
			Total	1107695	4792.423126	

(E.M)

Details of Feeder-Wise Losses

Period From 1st April, 2021 to 31st March, 2022

Sl No.	Zone	Received at Circle (In MU)	Received at Division (In MU)	Received at Sub-division (In MU)	Name of the Station	Feeder Code/ID	Feeder Name	Type of Feeder (Urban/Mixed/Industrial/Agricultural/Rural)	Type of feeder meter (AMI/AMR /Other)	Received at Feeder (Final in MU)	Feeder Consumption (In MU)	Final Net Export at Feeder Level (In MU)	T&D losses	AT&C losses	% Data Received through Automatically (if feeder AMR/AMI)	Remarks
1	Jammu	6.43	6.43	6.43	Parade 1x10 MVA		PG03	Urban		6.43	4.76		1.67	0.38		
2	Jammu	9.25	9.25	9.25	Parade 1x10 MVA		PG04	Urban		9.25	5.63		3.62	0.39		
3	Jammu	0.20	0.20	0.20	Parade 1x10 MVA		PG05	Urban		0.20	0.12		0.08	0.74		
4	Jammu	8.68	8.68	8.68	New Sectt 2x10+1x3.15		combined NS03	Urban		8.68	6.36		2.33	0.30		
5	Jammu	1.78	1.78	1.78	New Sectt 2x10+1x3.15		NS09	Urban		1.78	1.64		0.14	0.14		
6	Jammu	6.28	6.28	6.28	New Sectt 2x10+1x3.15		NS11 PHE	Urban		6.28	5.12		1.16	0.47		
7	Jammu	3.28	3.28	3.28	New Sectt 2x10+1x3.15		NS12	Urban		3.28	2.05		1.23	0.38		
8	Jammu	9.23	9.23	9.23	Residency 1x10MVA +		RD01	Urban		9.23	5.75		3.48	0.38		
9	Jammu	0.77	0.77	0.77	Residency 1x10MVA +		RD03	Urban		0.77	0.61		0.16	0.52		
10	Jammu	0.95	0.95	0.95	Residency 1x10MVA +		RD05	Urban		0.95	0.65		0.30	0.88		
11	Jammu	3.99	3.99	3.99	Co Bagh 2x10 MVA		CB02 PHE	Urban		3.99	3.73		0.27	0.40		
12	Jammu	4.01	4.01	4.01	Wazarat Road 1x10 MVA		WZ01	Urban		4.01	2.71		1.30	0.35		
13	Jammu	1.08	1.08	1.08	Wazarat Road 1x10 MVA		WZ02	Urban		1.08	0.90		0.18	0.28		
14	Jammu	6.79	6.79	6.79	Residency 1x10MVA +		RD06	Urban		6.79	4.10		2.69	0.43		
15	Jammu	4.57	4.57	4.57	Residency 1x10MVA +		RD02	Urban		4.57	2.62		1.95	0.45		
16	Jammu	4.73	4.73	4.73	Denis Gate2x10 MVA		Combined DG02	Urban		4.73	3.35		1.37	0.29		
17	Jammu	5.27	5.27	5.27	Denis Gate2x10 MVA		DG03	Urban		5.27	3.24		2.03	0.50		
18	Jammu	0.32	0.32	0.32	Denis Gate2x10 MVA		DG04	Urban		0.32	0.26		0.05	0.24		
19	Jammu	9.73	9.73	9.73	Residency 1x10MVA +		RD07	Urban		9.73	7.59		2.15	0.22		
20	Jammu	2.89	2.89	2.89	New Sectt 2x10+1x 3.15		NS01	Urban		2.89	2.24		0.65	0.23		
21	Jammu	7.95	7.95	7.95	New Sectt 2x10+1x 3.15		NS08	Urban		7.95	5.42		2.52	0.32		
22	Jammu	0.89	0.89	0.89	New Sectt 2x10+1x 3.15		NS10	Urban		0.89	0.67		0.22	0.25		
23	Jammu	4.74	4.74	4.74	New Sectt 2x10+1x 3.15		S-2	Urban		4.74	4.03		0.71	0.65		
24	Jammu	3.03	3.03	3.03	SSH 1x6.3+1x10 MVA		SSH.1	Urban		3.03	2.49		0.54	0.18		
25	Jammu	11.96	11.96	11.96	New Sectt 2x10+1x 3.15		NS05	Urban		11.96	8.26		3.71	0.38		
26	Jammu	4.41	4.41	4.41	Canal 2x10 MVA		C 10 Rusa	Urban		4.41	3.48		0.93	0.21		
27	Jammu	6.99	6.99	6.99	Canal 2x10 MVA		CA18	Urban		6.99	5.79		1.20	0.26		
28	Jammu	2.42	2.42	2.42	Canal 2x10 MVA		CA19 PHE	Urban		2.42	2.38		0.04	0.02		
29	Jammu	7.34	7.34	7.34	Canal 2x10 MVA		CA22	Urban		7.34	5.37		1.97	0.27		
30	Jammu	7.87	7.87	7.87	Shakti Nagar 1x6.3+1x		SHN 2	Urban		7.87	5.64		2.23	0.54		
31	Jammu	7.55	7.55	7.55	Shakti Nagar 1x6.3+1x		SHN 1	Urban		7.55	5.29		2.25	0.30		
32	Jammu	5.04	5.04	5.04	Company Bagh 2x10		CB01 PHE	Urban		5.04	4.77		0.27	0.05		
33	Jammu	7.66	7.66	7.66	Company Bagh 2x10		CB03	Urban		7.66	5.93		1.73	0.29		
34	Jammu	6.10	6.10	6.10	Medical 2x10+1x		M-5 PHE	Urban		6.10	5.03		1.07	0.27		
35	Jammu	3.09	3.09	3.09	Medical 2x10+1x		MC07	Urban		3.09	3.04		0.04	0.01		
36	Jammu	3.40	3.40	3.40	Medical 2x10+1x		MC09	Urban		3.40	3.37		0.03	0.01		
37	Jammu	0.95	0.95	0.95	SSH 1x6.3+1x 10 MVA		SSH-2	Urban		0.95	0.75		0.20	0.21		
38	Jammu	1.51	1.51	1.51	1x3.15 MVA		Ramanda G4 (33KVA)	Urban		1.51	1.43		0.08	0.05		
39	Jammu	0.00	0.00	0.00	2x6.3 MVA		Palm Island SHN3	Urban		1.50	1.00		0.50	0.15		
40	Jammu	8.31	8.31	8.31	2x10 MVA Dhounthly		D-3	Urban		8.31	6.00		2.32	0.28		
41	Jammu	3.56	3.56	3.56	2x10 MVA Dhounthly		D-6	Urban		3.56	2.29		1.27	0.36		
42	Jammu	7.87	7.87	7.87	Manda 1x10 MVA		MD.3	Urban		7.87	4.87		3.00	0.45		
43	Jammu	7.40	7.40	7.40	Manda 1x10 MVA		MD.4	Urban		7.40	4.58		2.82	0.38		
44	Jammu	0.00	0.00	0.00	2x10 MVA Dhounthly		D-1	Urban		1.70	0.50		1.20	0.25		
45	Jammu	6.61	6.61	6.61	2x10 MVA Dhounthly		D-2	Urban		6.61	4.00		2.61	0.39		
46	Jammu	7.98	7.98	7.98	2x10 MVA Dhounthly		D-4	Urban		7.98	5.83		2.15	0.27		
47	Jammu	7.82	7.82	7.82	2x10 MVA Dhounthly		D-5	Urban		7.82	4.29		3.54	0.45		
48	Jammu	3.81	3.81	3.81	Wazarat		WZ-3	Urban		3.81	2.64		1.17	0.31		
49	Jammu	0.41	0.41	0.41	Dhounthly 2x10 MVA		D-7	Urban		0.41	0.31		0.10	0.25		
50	Jammu	9.75	9.75	9.75	Manda 1x10 MVA		MD-2	Urban		9.75	5.84		3.91	0.50		
51	Jammu	7.98	7.98	7.98	Janipur 3x10 MVA		J-1	Urban		7.98	5.00		2.99	0.45		
52	Jammu	1.47	1.47	1.47	Janipur 3x10 MVA		J-12	Urban		1.47	1.08		0.39	0.26		
53	Jammu	2.68	2.68	2.68	Janipur 3x10 MVA		J-15	Urban		2.68	1.96		0.72	0.27		
54	Jammu	5.70	5.70	5.70	Janipur 3x10 MVA		J-16	Urban		5.70	3.62		2.07	0.36		

Chief Engineer
Distribution, JPDCL
Jammu

(E·M)

55	Jammu	1.38	1.38	1.38	Janipur 3x10 MVA		J-17	Urban		1.38	1.32		0.05	0.04		
56	Jammu	0.18	0.18	0.18	Janipur 3x10 MVA		J-21 (DCP)	Urban		0.18	0.03		0.15	1.00		
57	Jammu	3.98	3.98	3.98	New subash Nagar 1x10		NSN-4	Urban		3.98	2.49		1.49	0.37		
58	Jammu	0.02	0.02	0.02	New subash Nagar 1x10		NSN-5	Rural		2.00	1.00		1.00	0.13		
59	Jammu	11.05	11.05	11.05	1x6.3 MVA (sidhra)		Sidhra-I	Urban		11.05	7.87		3.19	0.30		
60	Jammu	8.08	8.08	8.08	1x6.3 MVA (sidhra)		Sidhra -2	Urban		8.08	5.46		2.61	0.32		
61	Jammu	0.11	0.11	0.11	1x6.3 MVA (sidhra)		Sidhra -3	Urban		0.11	0.07		0.04	1.00		
62	Jammu	1.64	1.64	1.64	1x6.3 MVA (sidhra)		Sidhra -4	Rural		1.64	1.29		0.35	0.21		
63	Jammu	1.27	1.27	1.27	1x6.3 MVA (sidhra)		Sidhra -5			1.27	0.94		0.33	0.26		
64	Jammu	0.14	0.14	0.14	1x6.3 MVA (sidhra)		Sidhra - Shetli	Rural		4.00	2.00		4.00	0.36		
65	Jammu	4.25	4.25	4.25	2x6.3 MVA =1x10 MVA (bahu fort)		BF06 (P)	Rural		4.25	2.50		1.75	0.41		
66	Jammu	5.23	5.23	5.23	1x6.3 MVA Malhori Jagir		MJ01	Rural		5.23	3.00		2.23	0.46		
67	Jammu	8.58	8.58	8.58	1x6.3 MVA Malhori Jagir		MJ02	Rural		8.58	4.36		4.22	0.56		
68	Jammu	0.23	0.23	0.23	Bajalta		BJ-1	Rural		0.23	0.16		0.08	0.72		
69	Jammu	0.69	0.69	0.69	Bajalta		BJ-2	Rural		0.69	0.48		0.22	0.78		
70	Jammu	2.03	2.03	2.03	Sidhra Grid		Sidhra 33 KV line Ascom	Urban		2.03	2.02		0.01	0.00		
71	Jammu	5.90	5.90	5.90	2.63 MVA		Bamyal BAO1 (F5)	Rural		5.90	3.31		2.59	0.67		
72	Jammu	1.40	1.40	1.40	2.10 MVA Jagti		IIT BA02	Urban		1.40	1.37		0.02	0.02		
73	Jammu	7.41	7.41	7.41	2.10 MVA Jagti		Bamyal-II BMYL	Rural		7.41	4.20		3.20	0.69		
74	Jammu	2.60	2.60	2.60	Jhajjar Kotli 1x3.15 MVA		Jhajjar Kotli JK0T	Rural		2.60	1.36		1.24	0.57		
75	Jammu	4.07	4.07	4.07	Jhajjar Kotli 1x3.15 MVA		Nandani Dansal DNAD	Rural		4.07	3.09		0.97	0.39		
76	Jammu	4.01	4.01	4.01	Dansal 1x3.15+1x6.3		Kanyala KNYL	Rural		4.01	2.19		1.82	0.60		
77	Jammu	5.99	5.99	5.99	Nagrota Toll post 1x10		Kattal Battal KBTL	Rural		5.99	2.74		3.25	0.69		
78	Jammu	15.68	15.68	15.68	Nagrota Toll post 1x10		Nagrota NG01	Urban		15.68	10.42		5.25	0.61		
79	Jammu	0.56	0.56	0.56	Nagrota Toll post 1x10		Sainik School SSNG			0.56	0.56		0.00	0.00		
80	Jammu	15.24	15.24	15.24	MES Nagrotat 2x6.3 MVA		MES Nagrota MES-I	Urban		15.24	15.18		0.06	0.00		
81	Jammu	28.03	28.03	28.03	Sheetli PHE 2x10 MVA		Sheetli SH01 (F)	Urban		28.03	28.03		0.00	0.23		
82	Jammu	6.27	6.27	6.27	Nagrota-II (Jagti) 2x10		Jagti-Local (F06)	Urban		6.27	3.71		2.56	0.50		
83	Jammu	5.29	5.29	5.29	Nagrota-II (Jagti) 2x10		Panjgrian (F-8)	Rural		5.29	2.83		2.46	0.47		
84	Jammu	2.53	2.53	2.53	Nagrota-II (Jagti) 2x10		Migrant F-1	Rural		2.53	1.53		1.00	1.00		
85	Jammu	4.85	4.85	4.85	Nagrota-II (Jagti) 2x10		Migrant F-2	Rural		4.85	4.85		0.00	1.00		
86	Jammu	9.87	9.87	9.87	Nagrota-II (Jagti) 2x10		Migrant F-3	Rural		9.87	9.87		0.00	1.00		
87	Jammu	9.89	9.89	9.89	Nagrota-II (Jagti) 2x10		Migrant F-4	Rural		9.89	9.89		0.00	1.00		
88	Jammu	23.62	23.62	23.62	Jindrah 1x6.3 MVA		Railway RLWY-II	Rural		23.62	23.62		0.00	0.04		
89	Jammu	4.23	4.23	4.23	Dansal 1x3.15+1x6.3		Dansal DNSL	Rural		4.23	2.42		1.81	0.56		
90	Jammu	8.62	8.62	8.62	Jindhrah 1x6.3 MVA		Jandrah JIND	Rural		8.62	4.49		4.13	0.56		
91	Jammu	2.03	2.03	2.03	Jindhrah 1x6.3 MVA		Jandrah Dansal JNDN	Rural		2.03	1.40		0.63	0.35		
92	Jammu	0.54	0.54	0.54	Jindhrah 1x6.3 MVA		Railway RLWY-I	Rural		0.54	0.54		0.00	0.00		
93	Jammu	1.11	1.11	1.11	Jindhrah 1x6.3 MVA		Kishenpur JI04	Rural		1.11	1.11		0.00	0.00		
94	Jammu	3.50	3.50	3.50	Jindhrah 1x6.3 MVA		MES Jandrah MES-2	Rural		3.50	3.50		0.00	0.00		
95	Jammu	4.54	4.54	4.54	Jindhrah 1x6.3 MVA		Surinsar SURI	Rural		4.54	2.95		1.59	0.35		
96	Jammu	17.50	17.50	17.50	2X10 MVA Transport Nagar		TPN-1			17.50	11.61		5.90	0.74		
97	Jammu	2.58	2.58	2.58			TPN-3			2.58	2.55		0.03	0.72		
98	Jammu	0.54	0.54	0.54			TPN-4			0.54	0.36		0.18	0.33		
99	Jammu	0.43	0.43	0.43			TPN-5			0.43	0.29		0.14	0.32		
100	Jammu	12.24	12.24	12.24	3X10 MVA JDA Complex		JDA-1			12.24	9.43		2.82	0.23		
101	Jammu	4.91	4.91	4.91			JDA-2			4.91	3.76		1.14	0.23		
102	Jammu	2.42	2.42	2.42			JDA-3			2.42	2.39		0.03	0.09		
103	Jammu	6.36	6.36	6.36			JDA-4			6.36	4.49		1.87	0.29		
104	Jammu	11.07	11.07	11.07			JDA-5			11.07	8.41		2.67	0.52		
105	Jammu	7.35	7.35	7.35			JDA-6			7.35	5.29		2.06	0.36		
106	Jammu	0.75	0.75	0.75			JDA-7			0.75	0.75		0.01	0.59		
107	Jammu	1.00	1.00	1.00			JDA-8			1.00	0.98		0.01	0.55		
108	Jammu	6.15	6.15	6.15			JDA-9			6.15	4.67		1.49	0.56		
109	Jammu	3.27	3.27	3.27	1X10 Ashok Nagar		AN-4			3.27	2.20		1.07	0.66		
110	Jammu	9.44	9.44	9.44			AN-5			9.44	6.46		2.98	0.79		
111	Jammu	7.71	7.71	7.71	(1x10+6.3) MVA Sainik Colony		SC-1			7.71	5.83		1.88	0.48		
112	Jammu	6.64	6.64	6.64			SC-2			6.64	5.01		1.63	0.38		
113	Jammu	3.77	3.77	3.77			SC-3			3.77	2.97		0.80	0.21		
114	Jammu	7.86	7.86	7.86	2X10 MVA Compang Bagh		SC-4			7.86	5.93		1.94	0.42		
115	Jammu	4.58	4.58	4.58			SC-5			4.58	3.44		1.14	0.47		
116	Jammu	6.53	6.53	6.53			SC-6			6.53	4.92		1.61	0.52		
117	Jammu	10.20	10.20	10.20			CB4			10.20	5.83		4.37	0.66		
118	Jammu	10.71	10.71	10.71	2X10 MVA Bathindi		B-1			10.71	7.38		3.34	0.74		
119	Jammu	14.03	14.03	14.03			B-2			14.03	9.90		4.14	0.29		
120	Jammu	9.85	9.85	9.85			B-3			9.85	6.84		3.02	0.31		

121	Jammu	11.76	11.76	11.76	[illegible]		B-4			11.76	8.06		3.71	0.73	
122	Jammu	7.43	7.43	7.43			B-5			7.43	4.93		2.50	0.50	
123	Jammu	0.05	0.05	0.05			B-6			5.00	4.00		1.00	0.99	
124	Jammu	6.02	6.02	6.02	3X10 MVA Nanak Nagar		N-1			6.02	4.24		1.78	0.63	
125	Jammu	8.42	8.42	8.42			N-5			8.42	6.10		2.32	0.42	
126	Jammu	5.82	5.82	5.82			N-6			5.82	4.09		1.74	0.55	
127	Jammu	4.65	4.65	4.65			N-7			4.65	3.26		1.39	0.57	
128	Jammu	6.27	6.27	6.27			N-8			6.27	6.23		0.04	0.23	
129	Jammu	2.09	2.09	2.09			N-9			2.09	2.07		0.02	0.01	
130	Jammu	9.94	9.94	9.94			N-11			9.94	7.10		2.84	0.61	
131	Jammu	12.51	12.51	12.51			N-12			12.51	8.75		3.76	0.72	
132	Jammu	9.59	9.59	9.59	10 MVA Green Belt		GB2			9.59	6.79		2.80	0.29	
133	Jammu	3.57	3.57	3.57			GB4			3.57	2.57		1.00	0.28	
134	Jammu	6.93	6.93	6.93	3X10MVA, Channi Himat		CH-1			6.93	5.27		1.66	0.48	
135	Jammu	12.21	12.21	12.21			CH-2		Urban	12.21	9.00		3.20	0.56	
136	Jammu	9.89	9.89	9.89			CH-3			9.89	7.39		2.50	0.41	
137	Jammu	11.94	11.94	11.94			CH-4			11.94	8.91		3.03	0.27	
138	Jammu	5.25	5.25	5.25			CH-5			5.25	3.92		1.33	0.27	
139	Jammu	10.47	10.47	10.47			CH-6			10.47	7.82		2.65	0.35	
140	Jammu	13.82	13.82	13.82			CH-7			13.82	10.29		3.53	0.46	
141	Jammu	9.63	9.63	9.63			CH-8			9.63	7.24		2.39	0.27	
142	Jammu	0.38	0.38	0.38			CH-9			0.38	0.28		0.10	0.26	
143	Jammu	1.15	1.15	1.15			CH-10			1.15	0.87		0.29	0.25	
144	Jammu	2.47	2.47	2.47	3X10 MVA, Railway Complex		RC-2			2.47	2.36		0.11	0.04	
145	Jammu	0.43	0.43	0.43			RC-8			0.43	0.42		0.02	0.58	
146	Jammu	0.82	0.82	0.82			RC-9			0.82	0.81		0.01	0.39	
147	Jammu	5.82	5.82	5.82			RC-1			5.82	4.64		1.18	0.20	
148	Jammu	12.72	12.72	12.72			RC-3			12.72	10.61		2.12	0.17	
149	Jammu	1.63	1.63	1.63			RC-4			1.63	1.74		0.11	0.35	
150	Jammu	4.55	4.55	4.55			RC-5			4.55	3.83		0.72	0.48	
151	Jammu	3.50	3.50	3.50			RC-6			3.50	3.36		0.15	0.04	
152	Jammu	7.57	7.57	7.57			RC-7			7.57	6.26		1.31	0.17	
153	Jammu	2.39	2.39	2.39			RC-10			2.39	2.84		0.46	0.16	
154	Jammu	0.14	0.14	0.14			RC-(WS)			0.14	0.13		0.01	0.91	
155	Jammu	5.24	5.24	5.24	2X10 MVA, Trikuta Nagar		TRN-1			5.24	3.97		1.27	0.36	
156	Jammu	3.68	3.68	3.68			TRN-2			3.68	2.78		0.90	0.51	
157	Jammu	4.02	4.02	4.02			TRN-3			4.02	3.12		0.90	0.47	
158	Jammu	5.69	5.69	5.69			TRN-4			5.69	4.65		1.04	0.55	
159	Jammu	4.21	4.21	4.21			TRN-5			4.21	3.24		0.97	0.61	
160	Jammu	7.20	7.20	7.20			TRN-6			7.20	5.50		1.69	0.65	
161	Jammu	8.80	8.80	8.80	2X6.3 MVA, Bahu Fort		BF-5			8.80	6.06		2.74	0.31	
162	Jammu	6.10	6.10	6.10			BF-7			6.10	4.17		1.93	0.32	
163	Jammu	5.23	5.23	5.23	1X10 MVA, Bahu Fort		BF-8			5.23	3.59		1.64	0.57	
164	Jammu	4.52	4.52	4.52			BF-1&2			4.52	4.51		0.01	0.00	
165	Jammu	5.77	5.77	5.77	2X10 MVA PHE Boria		BORIA-2			5.77	5.69		0.08	0.01	
166	Jammu	1.83	1.83	1.83			BORIA-3			1.83	1.80		0.02	0.01	
167	Jammu	5.16	5.16	5.16			BORIA-5			5.16	5.14		0.02	0.00	
168	Jammu	9.31	9.31	9.31	3X10 MVA Satwari		G--5			9.31	9.29		0.02	0.13	
169	Jammu	5.64	5.64	5.64	3X10 MVA Satwari MH		G--5			5.64	5.62		0.02	0.17	
170	Jammu	2.34	2.34	2.34	2x3.15 MVA MES		G-6			2.34	2.32		0.01	0.01	
171	Jammu	5.50	5.50	5.50	2x6.3 MVA Airforce		G--4			5.50	5.48		0.02	0.12	
172	Jammu	2.70	2.70	2.70	2x3.15 MVA Railway		G--7			2.70	2.66		0.04	0.17	
173	Jammu	3.81	3.81	3.81	Wave Mall		G--10			3.81	3.40		0.41	0.11	
174	Jammu	2.24	2.24	2.24	2x750 MVA Radison		G--6			2.24	2.23		0.00	0.19	
175	Jammu	0.80	0.80	0.80	1 MVA KC Grand Hottel		G--3			0.80	0.79		0.02	0.53	
176	Jammu	1.67	1.67	1.67	2 X 10MVA Babliana R/Stn		BL-1		URBAN	1.67	1.64		0.03	0.03	
177	Jammu	11.13	11.13	11.13			BL-3		URBAN	11.13	4.00		7.14	0.64	
178	Jammu	8.75	8.75	8.75			BL-5		URBAN	8.75	3.43		5.32	0.61	
179	Jammu	5.11	5.11	5.11			BL-8		URBAN	5.11	1.67		3.44	0.67	
180	Jammu	13.36	13.36	13.36	CHATHA R/STN (1X10MVA)+(1X6.3MVA)		CH-1		RURAL	13.36	3.51		9.86	0.77	
181	Jammu	20.25	20.25	20.25			CH-3+HK-3		RURAL	20.25	4.18		16.06	0.87	
182	Jammu	19.06	19.06	19.06	GANGYAL R/STN.		G-6		URBAN	19.06	17.55		1.50	0.08	
183	Jammu	11.82	11.82	11.82	BABLIANA R/STN (2X10MVA) SATWARI R/STN (3X10MVA)		BL-02		RURAL	11.82	4.96		6.86	0.61	
184	Jammu	8.78	8.78	8.78			BL-06		URBAN	8.78	2.58		6.20	0.71	
185	Jammu	2.52	2.52	2.52			BL07		URBAN	2.52	0.96		1.56	0.64	
186	Jammu	9.82	9.82	9.82			SA-02		URBAN	9.82	4.71		5.11	0.52	

187	Jammu	5.88	5.88	5.88	GANGYAL R/STN. (4X10MVA)		SA-06	URBAN		5.88	2.35		3.53	0.67		
188	Jammu	0.14	0.14	0.14			SA07	RURAL		0.14	0.14		0.00	0.01		
189	Jammu	9.40	9.40	9.40			G-4	URBAN		9.40	6.18		3.22	0.34		
190	Jammu	17.49	17.49	17.49	SEHORA R/STN (2X10MVA) GANGYAL R/STN. (4X10MVA)		S-1	URBAN		17.49	9.11		8.37	0.50		
191	Jammu	11.39	11.39	11.39			S-2	URBAN		11.39	4.44		6.95	0.63		
192	Jammu	1.33	1.33	1.33			S-3	URBAN		1.33	1.33		0.01	0.01		
193	Jammu	0.72	0.72	0.72			S-4	URBAN		0.72	0.70		0.02	0.02		
194	Jammu	15.07	15.07	15.07			G-2	URBAN		15.07	10.30		4.77	0.33		
195	Jammu	11.92	11.92	11.92			G-8	URBAN		11.92	4.32		7.59	0.64		
196	Jammu	9.21	9.21	9.21	GREATER KALISH (2X10 MVA)		GK-3	RURAL		9.21	4.28		4.93	0.64		
197	Jammu	0.79	0.79	0.79			GK-4	URBAN		0.79	0.21		0.57	0.75		
198	Jammu	9.32	9.32	9.32	CHATHA R/STN (1X10MVA)+(1X6.3MVA) GANGYAL R/STN. (4X10MVA) HAKKAL R/STN (1X10MVA)		CH-2+HK-2+HK-5	RURAL		9.32	4.95		4.37	0.58		
199	Jammu	10.83	10.83	10.83			CH-4+HK-4	RURAL		10.83	2.17		8.66	0.80		
200	Jammu	0.12	0.12	0.12			CH-5	RURAL		0.12	0.08		0.04	0.31		
201	Jammu	13.58	13.58	13.58			G-1	URBAN		13.58	8.99		4.59	0.34		
202	Jammu	12.58	12.58	12.58			G-3	URBAN		12.58	10.18		2.40	0.19		
203	Jammu	11.83	11.83	11.83			G-5	URBAN		11.83	8.89		2.93	0.25		
204	Jammu	2.67	2.67	2.67			G-7	URBAN		2.67	2.65		0.02	0.02		
205	Jammu	7.27	7.27	7.27	GREATER KALAISH (2X10 MVA)		GK-1	URBAN		7.27	7.05		0.22	0.03		
206	Jammu	7.55	7.55	7.55			GK2	URBAN		7.55	7.09		0.45	0.06		
207	Jammu	0.39	0.39	0.39	SATWARI R/STN (3X10MVA) SHASTRI NAGAR R/STN (1X10MVA) DIGIANA (1X6.3MVA)		SA-1	URBAN		0.39	0.36		0.03	0.07		
208	Jammu	7.82	7.82	7.82			SA-3	URBAN		7.82	6.67		1.15	0.40		
209	Jammu	6.12	6.12	6.12			SA-9	URBAN		6.12	5.47		0.65	0.31		
210	Jammu	0.52	0.52	0.52			SA-8	URBAN		0.52	0.50		0.02	0.04		
211	Jammu	13.61	13.61	13.61			SN-2+DG-3	URBAN		13.61	5.68		7.92	0.74		
212	Jammu	15.15	15.15	15.15			SN-3	URBAN		15.15	6.81		8.34	0.64		
213	Jammu	6.05	6.05	6.05			DG-1+2	URBAN		6.05	5.03		1.03	0.19		
214	Jammu	44.15	44.15	44.15	BB-II GRID STN 132/33KVA		BB-II	URBAN		44.15	44.05		0.09	0.00		
215	Jammu	98.86	98.86	98.86			BB-III	URBAN		98.86	95.46		3.40	0.03		
216	Jammu	22.75	22.75	22.75			KARTHOLI	URBAN		22.75	21.81		0.94	0.04		
217	Jammu	12.57	12.57	12.57	BARI-BRAHAMANA-2 (2X10MVA)		BB-21	URBAN		12.57	12.49		0.08	0.01		
218	Jammu	15.64	15.64	15.64			BB-22	URBAN		15.64	11.18		4.46	0.33		
219	Jammu	16.05	16.05	16.05			BB-23	URBAN		16.05	13.12		2.92	0.18		
220	Jammu	8.23	8.23	8.23			BB-24	URBAN		8.23	7.10		1.13	0.14		
221	Jammu	0.31	0.31	0.31			BB-25	URBAN		0.31	0.19		0.11	0.45		
222	Jammu	96.80	96.80	96.80	BB-1 GRID STN 132/33KV		NL. IND	URBAN		96.80	85.22		11.58	0.12		
223	Jammu	5.43	5.43	5.43			BB-13	URBAN		5.43	5.39		0.05	0.01		
224	Jammu	7.15	7.15	7.15			BB-14	URBAN		7.15	7.02		0.13	0.07		
225	Jammu	21.84	21.84	21.84	BARI-BRAHAMANA-1 (3X10MVA)		BB-1	URBAN		21.84	20.03		1.81	0.12		
226	Jammu	8.31	8.31	8.31			BB-2	URBAN		8.31	7.86		0.45	0.09		
227	Jammu	4.62	4.62	4.62			BB-3+5			4.62	4.54		0.08	0.02		
228	Jammu	4.87	4.87	4.87			BB-4	URBAN		4.87	4.49		0.38	0.08		
229	Jammu	4.65	4.65	4.65			BB-6	URBAN		4.65	4.61		0.04	0.01		
230	Jammu	0.32	0.32	0.32			BB-7	URBAN		0.32	0.20		0.12	0.89		
231	Jammu	5.72	5.72	5.72			BB-8	URBAN		5.72	5.01		0.70	0.12		
232	Jammu	9.16	9.16	9.16	3*10MVA Sunderpur		R.S.Pura Town-I (7 no)	URBAN		9.16	3.81		5.35	0.80		
233	Jammu	14.09	14.09	14.09			R.S.Pura Town-II (4 no)	Rural		14.09	6.10		7.99	0.73		
234	Jammu	6.87	6.87	6.87			SDH	Rural		6.87	3.97		2.91	0.69		
235	Jammu	7.87	7.87	7.87			Town-III R.S.Pura	Urban		7.87	2.74		5.13	0.88		
236	Jammu	4.21	4.21	4.21			SKAUST FARMS	Urban		4.21	2.34		1.88	0.74		
237	Jammu	9.33	9.33	9.33			Chowalla	Urban		9.33	2.14		7.20	0.85		
238	Jammu	11.71	11.71	11.71			Dablehar	Urban		11.71	3.49		8.22	0.82		
239	Jammu	4.32	4.32	4.32			Paper Mill	Urban		4.32	1.47		2.85	0.83		
240	Jammu	6.51	6.51	6.51			Badyal Quazian	Rural		6.51	2.03		4.48	0.78		
241	Jammu	2.66	2.66	2.66			ARB Lab.	Rural		2.66	0.59		2.07	0.82		
242	Jammu	4.18	4.18	4.18	10 MVA Khana Chak		Rural-I (Kang)	Rural		4.18	1.62		2.56	0.76		
243	Jammu	7.39	7.39	7.39			Rural-II (Baspur)	Rural		7.39	1.86		5.54	0.83		
244	Jammu	3.13	3.13	3.13			Abdullian(New)	Rural		3.13	0.58		2.55	0.88		
245	Jammu	5.77	5.77	5.77			Town-III (Khana Chak)	Rural		5.77	1.52		4.25	0.87		
246	Jammu	6.96	6.96	6.96	2*10 MVA Miran Sahib		Tanda-II	Rural		6.96	1.74		5.21	0.86		
247	Jammu	13.27	13.27	13.27			Simbal	Rural		13.27	3.54		9.74	0.86		
248	Jammu	5.42	5.42	5.42			JIC	Rural		5.42	1.39		4.03	0.83		
249	Jammu	11.89	11.89	11.89			Miran Sahib	Rural		11.89	2.71		9.18	0.82		
250	Jammu	9.01	9.01	9.01			MES	Rural		9.01	4.52		4.48	0.58		
251	Jammu	1.88	1.88	1.88			Trishul Bottler	Rural		1.88	1.79		0.09	0.07		
252	Jammu	0.37	0.37	0.37			K.Food Mall	Rural		0.37	0.25		0.11	0.32		

253	Jammu	0.07	0.07	0.07			M&RE WORKSHOP	Rural		0.07	0.06		0.02	0.76			
254	Jammu	6.03	6.03	6.03			Tanda	Rural		6.03	1.25		4.78	0.87			
255	Jammu	9.43	9.43	9.43	2*6.3 MVA Kullian		Simbal-A	Rural		9.43	2.78		6.65	0.85			
256	Jammu	8.70	8.70	8.70			Simbal-B	Rural		8.70	1.60		7.10	0.88			
257	Jammu	17.34	17.34	17.34			Kullian	Rural		17.34	2.92		14.41	0.89			
258	Jammu	14.14	14.14	14.14	6.3 MVA Satrayian		Satrayian	Rural		14.14	2.38		11.75	0.90			
259	Jammu	8.35	8.35	8.35			Flora	Rural		8.35	2.49		5.86	0.90			
260	Jammu	2.95	2.95	2.95			BOP	Rural		2.95	0.92		2.03	0.85			
261	Jammu	6.96	6.96	6.96	10 MVA Chakroi		Chakroi	Rural		6.96	2.05		4.90	0.86			
262	Jammu	9.69	9.69	9.69			Pindi	Rural		9.69	2.04		7.65	0.85			
263	Jammu	5.15	5.15	5.15			Hansa	Rural		5.15	1.27		3.87	0.87			
264	Jammu	2.01	2.01	2.01			Seed Form	Rural		2.01	0.64		1.37	0.93			
265	Jammu	4.81	4.81	4.81	10 MVA Biaspur		Kotli Rayian	Rural		4.81	1.15		3.66	0.76			
266	Jammu	12.39	12.39	12.39	10 MVA Salehar		Rathana	Rural		12.39	3.22		9.17	0.85			
267	Jammu	9.23	9.23	9.23	10 MVA Parladpur		PP-I	Rural		9.23	2.31		6.93	0.87			
268	Jammu	10.89	10.89	10.89			PP-II	Rural		10.89	2.11		8.78	0.83			
269	Jammu	10.27	10.27	10.27			PP-III	Rural		10.27	1.99		8.27	0.83			
270	Jammu	11.30	11.30	11.30	10 MVA Makwal		Makwal-I	Rural		11.30	1.91		9.39	0.94			
271	Jammu	7.96	7.96	7.96			Makwal-II	Rural		7.96	1.28		6.68	0.92			
272	Jammu	5.61	5.61	5.61	2*6.3 MVA B.Brahmana		Badyal Brahmana	Rural		5.61	1.43		4.18	0.89			
273	Jammu	6.74	6.74	6.74			Abdullian	Rural		6.74	1.51		5.23	0.88			
274	Jammu	8.10	8.10	8.10			Kadyal	Rural		8.10	2.15		5.95	0.87			
275	Jammu	7.95	7.95	7.95			B.S.F	Rural		7.95	1.88		6.08	0.82			
276	Jammu	9.22	9.22	9.22	10 MVA Gadi Garh		Upper Gadi Garh	Rural		9.22	2.98		6.24	0.85			
277	Jammu	5.15	5.15	5.15			Lower Gadi Garh	rural		5.15	1.39		3.76	0.76			
278	Jammu	12.17	12.17	12.17			Dharap	rural		12.17	2.25		9.92	0.87			
279	Jammu	12.67	12.67	12.67			Indira Nagar	rural		12.67	1.97		10.70	0.90			
280	Jammu	3.50	3.50	3.50			Sudan Heart Care	Rural		3.50	0.70		2.80	0.87			
281	Jammu	13.89	13.89	13.89	Bishnah 2x10MVA		Bishnah New	Rural		13.89	6.60		7.29	0.58			
282	Jammu	11.57	11.57	11.57			Bishnah old (B-1)	Rural		11.57	5.47		6.10	0.65			
283	Jammu	7.13	7.13	7.13			Kotli Bishnah (B-3)	Rural		7.13	3.13		4.00	0.66			
284	Jammu	13.51	13.51	13.51			Sarore old (S-1)	Rural		13.51	4.78		8.73	0.79			
285	Jammu	11.99	11.99	11.99			Sarore 2	Rural		11.99	5.83		6.16	0.70			
286	Jammu	12.53	12.53	12.53	Chak Hasal 2x10 MVA		Khairi	Rural		12.53	5.15		7.38	0.77			
287	Jammu	7.49	7.49	7.49			Rehal	Rural		7.49	3.15		4.34	0.75			
288	Jammu	10.59	10.59	10.59			Pandorian	Rural		10.59	4.42		6.17	0.81			
289	Jammu	11.32	11.32	11.32			Shahpur	Rural		11.32	4.77		6.56	0.83			
290	Jammu	10.91	10.91	10.91	Sohagpur 3x10 MVA		Allah	Rural		10.91	4.24		6.67	0.83			
291	Jammu	4.51	4.51	4.51			Sohagpur	Rural		4.51	1.63		2.88	0.87			
292	Jammu	4.91	4.91	4.91			Arnia 1	Rural		4.91	2.82		2.09	0.42			
293	Jammu	8.41	8.41	8.41			Arnia 2	Rural		8.41	3.26		5.15	0.83			
294	Jammu	6.45	6.45	6.45	Chak Shera 1x10 MVA		Trewa	Rural		6.45	2.81		3.64	0.76			
295	Jammu	3.81	3.81	3.81			Jabowal Kotli	Rural		3.81	1.19		2.63	0.85			
296	Jammu	1.76	1.76	1.76			BOP	Rural		1.76	1.02		0.74	0.42			
297	Jammu	7.10	7.10	7.10			Old Arnia	Rural		7.10	2.60		4.50	0.83			
298	Jammu	4.80	4.80	4.80			Changiya	Rural		4.80	1.44		3.36	0.86			
299	Jammu	3.10	3.10	3.10	Nandpur 2x10 MVA		BOP	Rural		3.10	1.81		1.29	0.61			
300	Jammu	4.50	4.50	4.50			Pindi	Rural		4.50	2.02		2.48	0.55			
301	Jammu	8.95	8.95	8.95			Adlehar	Rural		8.95	3.58		5.37	0.81			
302	Jammu	6.63	6.63	6.63	Sai Kalan 1x10 MVA		Sai -I	Rural		6.63	2.51		4.12	0.79			
303	Jammu	6.66	6.66	6.66			Sai-II	Rural		6.66	3.87		2.79	0.62			
304	Jammu	3.21	3.21	3.21			Sai -III	Rural		3.21	1.63		1.58	0.72			
305	Jammu	6.81	6.81	6.81	Biaspur 1x10MVA		Kalyana	Rural		6.81	2.87		3.94	0.83			
306	Jammu	7.39	7.39	7.39			Biaspur	Rural		7.39	3.42		3.97	0.75			
307	Jammu	10.39	10.39	10.39	Salehar 2x10 MVA		Makahan pur	Rural		10.39	4.44		5.95	0.73			
308	Jammu	8.82	8.82	8.82			Salehar	Rural		8.82	3.66		5.16	0.72			
309	Jammu	11.82	11.82	11.82			Khour	Rural		11.82	5.07		6.75	0.69			
310	Jammu	8.51	8.51	8.51			Biaspur Salehar	Rural		8.51	2.81		5.70	0.89			
311	Jammu	15.41	15.41	15.41	Miran Sahib 2X10 MVA +1x6.3 MVA		Kotli Miran Sahib	Rural		15.41	7.30		8.11	0.57			
312	Jammu	6.06	6.06	6.06			Kotli Miran Sahib-II	Rural		6.06	2.75		3.31	0.55			
313	Jammu	11.46	11.46	11.46	KHOUR(1X10MVA)	KH01	Khour	MIXED		11.46	7.60		3.86	0.43			
314	Jammu	12.09	12.09	12.09	KHOUR(1X10MVA)	KH02	Gigrial	MIXED		12.09	8.71		3.38	0.52			
315	Jammu	0.05	0.05	0.05	KHOUR(1X10MVA)	KH03	Hospital	RURAL		5.00	4.00		1.00	1.00			
316	Jammu	3.27	3.27	3.27	KHOUR(1X10MVA)	KH04	MC Khour	MIXED		3.27	2.15		1.12	0.58			
317	Jammu	4.69	4.69	4.69	PAHARIWALA(1X6.3MVA)	TH01	Thanger	MIXED		4.69	2.98		1.71	0.62			
318	Jammu	7.54	7.54	7.54	PAHARIWALA(1X6.3MVA)	NR01	Naryana	MIXED		7.54	5.01		2.52	0.52			

319	Jammu	1.08	1.08	1.08	PALLANWALA(1X6.3MVA)	DK01	Dhar Khour	MIXED		1.08	0.71		0.37	0.38	
320	Jammu	7.56	7.56	7.56	PALLANWALA(1X6.3MVA)	PL01	Pallanwalla &panjtoot	MIXED		7.56	4.95		2.61	0.37	
321	Jammu	3.07	3.07	3.07	PALLANWALA(1X6.3MVA)	PL03	panjtoot	MIXED		3.07	2.01		1.07	0.48	
322	Jammu	3.31	3.31	3.31	chak malal (1X63 MVA)	CM01	chack Malal	MIXED		3.31	2.12		1.20	0.51	
323	Jammu	3.03	3.03	3.03	chak malal (1X63 MVA)	AJ01	Aizal Malal	MIXED		3.03	1.96		1.06	0.51	
324	Jammu	6.68	6.68	6.68	JOURIAN(2X10MVA)	JR01	Jourian	MIXED		6.68	3.90		2.79	0.50	
325	Jammu	12.99	12.99	12.99	JOURIAN(2X10MVA)	JR02	Muthi maira	MIXED		12.99	9.36		3.63	0.39	
326	Jammu	1.75	1.75	1.75	JOURIAN(2X10MVA)	JR03	Troti	MIXED		1.75	1.13		0.62	0.48	
327	Jammu	8.45	8.45	8.45	JOURIAN(2X10MVA)	JR04	Bakore	MIXED		8.45	6.54		1.91	0.34	
328	Jammu	4.27	4.27	4.27	JOURIAN(2X10MVA)	MES01	MES	MIXED		4.27	3.54		0.73	0.19	
329	Jammu	3.63	3.63	3.63	JOGWAN(1X3.15)	JG01	Jogwan	MIXED		3.63	2.33		1.31	0.42	
330	Jammu	1.67	1.67	1.67	JOGWAN(1X3.15)	BT01	Battal	MIXED		1.67	1.13		0.55	0.34	
331	Jammu	0.57	0.57	0.57	Ranjan		F-2	RURAL		0.57	0.46		0.11	0.27	
332	Jammu	1.25	1.25	1.25	GHORATA		(GH-I) PHE	RURAL		1.25	0.88		0.37	0.31	
333	Jammu	0.83	0.83	0.83	PARGWAL		B.O.P	RURAL		0.83	0.65		0.18	0.46	
334	Jammu	13.25	13.25	13.25	BHALWAL		BH-1	RURAL		13.25	8.31		4.94	0.59	
335	Jammu	0.31	0.31	0.31	BHALWAL		BH-2	RURAL		0.31	0.23		0.08	0.35	
336	Jammu	2.73	2.73	2.73	BHALWAL		BH-3 (PHE)	RURAL		2.73	1.98		0.76	0.41	
337	Jammu	17.50	17.50	17.50	BHALWAL		BH-4	RURAL		17.50	10.80		6.69	0.69	
338	Jammu	0.24	0.24	0.24	BHALWAL		BH-5 (Hospital)	RURAL		0.24	0.20		0.04	0.32	
339	Jammu	3.67	3.67	3.67	PARGWAL		Bharat Bhalwal	RURAL		3.67	2.77		0.91	0.81	
340	Jammu	0.52	0.52	0.52	SHAMA CHAK		BJ-1 (GCET)	RURAL		0.52	0.34		0.18	0.35	
341	Jammu	6.91	6.91	6.91	SHAMA CHAK		BJ-2 (Bawe Tallab)	RURAL		6.91	5.11		1.80	0.52	
342	Jammu	11.78	11.78	11.78	SHAMA CHAK		BJ-3 (Mishriwala)	RURAL		11.78	7.58		4.19	0.73	
343	Jammu	4.48	4.48	4.48	BATARA		BR-1	RURAL		4.48	2.80		1.68	0.48	
344	Jammu	6.12	6.12	6.12	BATARA		BR-2	RURAL		6.12	4.03		2.09	0.64	
345	Jammu	5.95	5.95	5.95	BATARA		BR-3	RURAL		5.95	3.98		1.97	0.90	
346	Jammu	2.08	2.08	2.08	BANTLAB		BT-1	URBAN		2.08	1.57		0.51	0.56	
347	Jammu	0.32	0.32	0.32	BANTLAB		BT-1	URBAN		0.32	0.28		0.04	1.00	
348	Jammu	1.57	1.57	1.57	BANTLAB		BT-2 (CRPF)	URBAN		1.57	1.23		0.34	0.45	
349	Jammu	9.46	9.46	9.46	BANTLAB		BT-3 (PHE)	URBAN		9.46	6.49		2.97	0.46	
350	Jammu	9.13	9.13	9.13	BANTLAB		BT-4	URBAN		9.13	6.23		2.90	0.54	
351	Jammu	8.88	8.88	8.88	BANTLAB		BT-5	URBAN		8.88	5.78		3.10	0.61	
352	Jammu	0.50	0.50	0.50	BANTLAB		BT-6+BT-7	URBAN		0.50	0.33		0.17	0.58	
353	Jammu	2.16	2.16	2.16	PARGWAL		Channi Tanna	RURAL		2.16	1.73		0.43	0.86	
354	Jammu	0.12	0.12	0.12	JANIPUR		DCP (office)	RURAL		0.12	0.12		0.01	0.46	
355	Jammu	1.77	1.77	1.77			DJ-4	RURAL		1.77	1.46		0.30	0.91	
356	Jammu	10.55	10.55	10.55	DOMANA AKHNOOR		Domana(AK-3)	RURAL		10.55	7.52		3.03	0.66	
357	Jammu	11.00	11.00	11.00	GHORTA		GH-3	RURAL		11.00	7.78		3.22	0.90	
358	Jammu	9.45	9.45	9.45	GHORTA		GH-4	RURAL		9.45	7.48		1.97	0.89	
359	Jammu	0.17	0.17	0.17	GHORTA		GH-5	RURAL		0.17	0.12		0.05	0.29	
360	Jammu	0.21	0.21	0.21	JANIPUR		J- 9	RURAL		0.21	0.18		0.02	0.12	
361	Jammu	0.24	0.24	0.24	JANIPUR		J-14	URBAN		0.24	0.22		0.03	0.14	
362	Jammu	12.12	12.12	12.12	JANIPUR		J-2	URBAN		12.12	9.48		2.64	0.72	
363	Jammu	16.92	16.92	16.92	JANIPUR		J-3	URBAN		16.92	12.97		3.95	0.75	
364	Jammu	13.98	13.98	13.98	JANIPUR		J-4	URBAN		13.98	10.75		3.23	0.75	
365	Jammu	9.88	9.88	9.88	JANIPUR		J-5	URBAN		9.88	7.68		2.20	0.68	
366	Jammu	11.88	11.88	11.88	KANACHAK		KC-1	RURAL		11.88	8.72		3.16	0.90	
367	Jammu	1.94	1.94	1.94	KANACHAK		KC-2	RURAL		1.94	1.62		0.33	0.64	
368	Jammu	9.92	9.92	9.92	KANACHAK		KC-3	RURAL		9.92	7.84		2.08	0.95	
369	Jammu	0.61	0.61	0.61	THATHER		MES	URBAN		0.61	0.52		0.10	0.32	
370	Jammu	1.25	1.25	1.25	MUTHI		Mu10	URBAN		1.25	0.96		0.30	0.24	
371	Jammu	7.83	7.83	7.83	MUTHI		Mu2	URBAN		7.83	5.89		1.93	0.63	
372	Jammu	4.46	4.46	4.46	MUTHI		Mu6	URBAN		4.46	3.95		0.50	0.24	
373	Jammu	7.10	7.10	7.10	MUTHI		Mu7	URBAN		7.10	5.68		1.41	0.76	
374	Jammu	1.58	1.58	1.58	MUTHI		Mu8	URBAN		1.58	1.11		0.47	0.43	
375	Jammu	2.52	2.52	2.52	MUTHI		Mu9	URBAN		2.52	1.88		0.65	0.43	
376	Jammu	5.56	5.56	5.56	NEW SUBASH NAGAR		NSN2	URBAN		5.56	4.16		1.39	0.61	
377	Jammu	11.45	11.45	11.45	NEW SUBASH NAGAR		NSN3	URBAN		11.45	8.83		2.62	0.80	
378	Jammu	5.44	5.44	5.44	PAEGWAL		Pargwal	RURAL		5.44	4.14		1.30	0.34	
379	Jammu	0.08	0.08	0.08	GHORATA		PHE (GH-I)	RURAL		0.08	0.06		0.02	0.31	
380	Jammu	19.34	19.34	19.34	PURKHOO		PK-3	RURAL		19.34	12.71		6.63	0.83	
381	Jammu	3.68	3.68	3.68	PURKHOO		PK-4	RURAL		3.68	2.46		1.22	0.52	
382	Jammu	4.62	4.62	4.62	PURKHOO		PK-5	RURAL		4.62	3.49		1.13	0.65	
383	Jammu	16.16	16.16	16.16	PURKHOO		PK-6	RURAL		16.16	11.25		4.91	0.90	
384	Jammu	2.24	2.24	2.24	PARGWAL		Rajpura	RURAL		2.24	1.84		0.40	0.85	

385	Jammu	0.95	0.95	0.95	RANJAN		Ranjan F-1	RURAL		0.95	0.69		0.26	0.61	
386	Jammu	8.48	8.48	8.48	ROOP NAGAR		RN-1	URBAN		8.48	7.52		0.96	0.25	
387	Jammu	17.22	17.22	17.22	ROOP NAGAR		RN-2	URBAN		17.22	13.34		3.87	0.59	
388	Jammu	9.53	9.53	9.53	ROOP NAGAR		RN-3	URBAN		9.53	6.64		2.90	0.68	
389	Jammu	9.11	9.11	9.11	ROOP NAGAR		RN-4	URBAN		9.11	6.87		2.24	0.70	
390	Jammu	13.43	13.43	13.43	ROOP NAGAR		RN-5	URBAN		13.43	9.16		4.27	0.80	
391	Jammu	11.28	11.28	11.28	ROOP NAGAR		RN-6	URBAN		11.28	8.87		2.41	0.64	
392	Jammu	3.31	3.31	3.31	ROOP NAGAR		RN-7	URBAN		3.31	2.58		0.72	0.67	
393	Jammu	10.13	10.13	10.13	ROOP NAGAR		RN-8	URBAN		10.13	8.01		2.13	0.85	
394	Jammu	12.44	12.44	12.44	SUBASH NAGAR		SN-1	URBAN		12.44	10.13		2.31	0.58	
395	Jammu	13.04	13.04	13.04	SUBASH NAGAR		SN-2	URBAN		13.04	10.38		2.66	0.69	
396	Jammu	7.93	7.93	7.93	SUBASH NAGAR		SN-3	URBAN		7.93	6.84		1.09	0.62	
397	Jammu	10.78	10.78	10.78	SUBASH NAGAR		SN-4	URBAN		10.78	9.22		1.57	0.59	
398	Jammu	8.66	8.66	8.66	THATHER		TH-1	RURAL		8.66	5.87		2.79	0.43	
399	Jammu	8.55	8.55	8.55	THATHER		TH-2	RURAL		8.55	5.95		2.60	0.82	
400	Jammu	13.18	13.18	13.18	AKHNOOR	AK01	City I	URBAN		13.18	12.36		0.82	0.27	
401	Jammu	7.25	7.25	7.25	AKHNOOR	AK02	City II	URBAN		7.25	5.99		1.26	0.17	
402	Jammu	12.22	12.22	12.22	AKHNOOR	AK03	Sohal	RURAL		12.22	8.40		3.83	0.37	
403	Jammu				AKHNOOR	AK04	Exchange	URBAN		0.50	0.10		0.40	0.45	
404	Jammu				AKHNOOR	AK05	Industry	INDUSTRY		0.70	0.50		0.20	0.45	
405	Jammu	3.39	3.39	3.39	AKHNOOR	AK06	Ambaran	RURAL		3.39	3.13		0.26	0.28	
406	Jammu	1.02	1.02	1.02	AKHNOOR	AK07	PHE City	URBAN		1.02	0.90		0.11	0.11	
407	Jammu	30.19	30.19	30.19	AKHNOOR	CT01	33 KV MES	RURAL		30.19	23.24		6.95	0.23	
408	Jammu	0.68	0.68	0.68	BALLI GULABA	BG01	Jalada	RURAL		0.68	0.51		0.17	0.25	
409	Jammu	0.80	0.80	0.80	BALLI GULABA	BG02	Dori Dager	RURAL		0.80	0.58		0.22	0.33	
410	Jammu	1.15	1.15	1.15	BALLI GULABA	BG03	Balli Nathal	RURAL		1.15	0.79		0.36	0.31	
411	Jammu	1.00	1.00	1.00	BARMAL	BSF1	BSF	RURAL		1.00	0.78		0.22	0.22	
412	Jammu	3.01	3.01	3.01	BARMAL	PHS1	PHE Sohal	RURAL		3.01	2.33		0.69	0.23	
413	Jammu	10.53	10.53	10.53	BARMAL	RK01	Rakhmuthi I	RURAL		10.53	7.67		2.85	0.34	
414	Jammu	10.52	10.52	10.52	BARMAL	RK02	Rakhmuthi II	RURAL		10.52	8.13		2.39	0.34	
415	Jammu	18.91	18.91	18.91	BHALWAL BRAHMNA	BH01	Bhalwal	RURAL		18.91	15.05		3.86	0.58	
416	Jammu	2.83	2.83	2.83	BHALWAL BRAHMNA	BM01	B.M. Colony	RURAL		2.83	1.86		0.97	0.52	
417	Jammu	1.57	1.57	1.57	BHALWAL BRAHMNA	PHB1	PHE Bhalwal	RURAL		1.57	1.14		0.43	0.27	
418	Jammu	6.24	6.24	6.24	CHOUKI CHOURA	CC01	Chowki Choura	RURAL		6.24	5.51		0.73	0.42	
419	Jammu	3.44	3.44	3.44	CHOUKI CHOURA	CC02	Basava Gangal	RURAL		3.44	2.65		0.79	0.28	
420	Jammu	5.69	5.69	5.69	KALEETH	DH01	Dhanger	RURAL		5.69	4.38		1.31	0.37	
421	Jammu	2.67	2.67	2.67	KALEETH	DH02	Kharah	RURAL		2.67	1.90		0.77	0.29	
422	Jammu	0.17	0.17	0.17	MAIRA MANDRIAN	JN01	JNV	RURAL		0.17	0.12		0.05	0.27	
423	Jammu	5.16	5.16	5.16	MAIRA MANDRIAN	KA01	Kathar	RURAL		5.16	3.85		1.31	0.25	
424	Jammu	6.83	6.83	6.83	MAIRA MANDRIAN	MM01	Maira Mandrian	RURAL		6.83	4.87		1.96	0.32	
425	Jammu	0.35	0.35	0.35	MATHWAR	MN01	Mathwar(N)	RURAL		0.35	0.27		0.08	0.41	
426	Jammu	2.83	2.83	2.83	SAROTE	MA01	Mathwar	RURAL		2.83	2.17		0.66	0.23	
427	Jammu	9.30	9.30	9.30	SAROTE	RA01	Rabta	RURAL		9.30	7.31		1.99	0.61	
428	Jammu	19.86	19.86	19.86	TANDA	GD01	Gandarwan	RURAL		19.86	14.07		5.79	0.25	
429	Jammu	4.36	4.36	4.36	TANDA	TD01	Tanda	RURAL		4.36	3.16		1.20	0.27	
430	Jammu	5.27	5.27	5.27	BARNAI		BN1	URBAN/MIXED		5.27	2.31		2.96	0.62	
431	Jammu	4.30	4.30	4.30	BARNAI		BN3	URBAN/MIXED		4.30	1.50		2.79	0.71	
432	Jammu	18.18	18.18	18.18	BOHRI		BS1	URBAN/MIXED		18.18	6.41		11.78	0.65	
433	Jammu	9.75	9.75	9.75	BOHRI		BS2	URBAN/RURAL/MIXED		9.75	5.59		4.16	0.43	
434	Jammu	3.11	3.11	3.11	BOHRI		BS3	URBAN/RURAL/MIXED		3.11	1.19		1.91	0.68	
435	Jammu	0.00	0.00	0.00			C16	URBAN/MIXED		2.00	1.60		1.91	0.45	
436	Jammu	11.77	11.77	11.77	CANAL		C7	URBAN		11.77	4.18		7.59	0.71	
437	Jammu	11.72	11.72	11.72	CANAL		C8	URBAN		11.72	6.40		5.32	0.45	
438	Jammu	0.29	0.29	0.29	CANAL 2		DRDO	URBAN		0.29	0.29		0.00	0.00	
439	Jammu	5.24	5.24	5.24	GHO MANAHASAN		GM1	RURAL		5.24	1.17		4.07	0.88	
440	Jammu	7.38	7.38	7.38	GHO MANAHASAN		GM2	RURAL		7.38	2.74		4.64	0.82	
441	Jammu	2.98	2.98	2.98	GHO MANAHASAN		GM3	RURAL		2.98	0.90		2.07	0.83	
442	Jammu	12.38	12.38	12.38	GAJANSOO		GS1	RURAL		12.38	4.04		8.34	0.69	
443	Jammu	6.01	6.01	6.01	GAJANSOO		GS2	RURAL/MIXED		6.01	2.27		3.74	0.70	
444	Jammu	8.20	8.20	8.20	MEDICAL		ME1	URBAN		8.20	4.63		3.58	0.68	
445	Jammu	8.52	8.52	8.52	MEDICAL		ME2	URBAN		8.52	5.38		3.14	0.41	
446	Jammu	16.79	16.79	16.79	MEDICAL		ME3	URBAN		16.79	8.72		8.06	0.48	
447	Jammu	8.95	8.95	8.95	MEDICAL		ME4	URBAN		8.95	3.66		5.29	0.59	
448	Jammu	9.15	9.15	9.15	MEDICAL		ME8	RURAL		9.15	4.28		4.86	0.56	
449	Jammu	2.22	2.22	2.22	MACHILLIAN		MH2	RURAL		2.22	1.68		0.54	0.24	
450	Jammu	3.60	3.60	3.60	MACHILLIAN		MH3	RURAL		3.60	2.29		1.31	0.36	

451	Jammu	0.02	0.02	0.02	MACHILLIAN		MH4(PHE)	RURAL		2.00	0.50		0.00	0.00		
452	Jammu	15.72	15.72	15.72	MARH		MR1	RURAL		15.72	4.28		11.44	0.77		
453	Jammu	4.68	4.68	4.68	MARH		MR2	RURAL		4.68	2.21		2.47	0.53		
454	Jammu	0.06	0.06	0.06	MARH		MR3	RURAL		6.00	2.40		3.60	0.00		
455	Jammu	5.84	5.84	5.84	MUTHI		MU11	URBAN/MIXED		5.84	3.01		2.84	0.49		
456	Jammu	3.62	3.62	3.62	MUTHI		MU3 (MES)	URBAN/MIXED		3.62	3.10		0.53	0.15		
457	Jammu	7.70	7.70	7.70	MUTHI		MU4	URBAN/MIXED		7.70	5.34		2.36	0.31		
458	Jammu	9.29	9.29	9.29	MUTHI		MU5	URBAN/MIXED		9.29	5.56		3.73	0.40		
459	Jammu	4.49	4.49	4.49	MUTHI		MU7	URBAN/MIXED		4.49	2.38		2.11	0.47		
460	Jammu	4.39	4.39	4.39	SHAKTI NAGAR		SHN2	URBAN		4.39	1.05		3.34	0.77		
461	Jammu	6.05	6.05	6.05	SHAKTI NAGAR		SHN3	URBAN		6.05	2.74		3.31	0.61		
462	Jammu	2.23	2.23	2.23	SUJADPUR		SP1	URBAN		2.23	0.30		1.93	0.93		
463	Jammu	12.93	12.93	12.93	TOPH		T2	URBAN		12.93	6.52		6.40	0.50		
464	Jammu	13.93	13.93	13.93	TOPH		T3	URBAN		13.93	8.32		5.60	0.40		
465	Jammu	4.07	4.07	4.07	TOPH		T4	URBAN		4.07	4.96		0.00	0.00		
466	Jammu	2.58	2.58	2.58	TOPH		T5	URBAN		2.58	2.36		0.21	0.43		
467	Jammu	1.38	1.38	1.38	TOPH		T6	URBAN		1.38	1.12		0.26	0.20		
468	Jammu	6.86	6.86	6.86	TOPH		T7	URBAN		6.86	3.65		3.21	0.54		
469	Jammu	6.86	6.86	6.86	TIRLOKPUR		TP1	URBAN/RURAL		6.86	4.44		2.41	0.68		
470	Jammu	4.03	4.03	4.03	TIRLOKPUR		TP2	URBAN/RURAL		4.03	2.04		1.99	0.53		
471	Jammu	13.13	13.13	13.13	TALAB TILLO		TT1	URBAN		13.13	4.66		8.47	0.72		
472	Jammu	11.59	11.59	11.59	TALAB TILLO		TT2	URBAN		11.59	8.49		3.10	0.31		
473	Jammu	16.17	16.17	16.17	TALAB TILLO		TT3/TT4	URBAN		16.17	7.46		8.70	0.57		
474	Jammu	0.58	0.58	0.58	TALAB TILLO		TT5 (ERA)	URBAN		0.58	0.51		0.06	0.11		
475	Jammu	3.91	3.91	3.91	UDHEYWALA		UD1	URBAN		3.91	1.91		2.00	0.51		
476	Jammu	3.06	3.06	3.06	UDHEYWALA		UD2	URBAN		3.06	2.46		0.60	0.51		
477	Jammu	16.55	16.55	16.55	UDHEYWALA		UD3	URBAN		16.55	9.78		6.78	0.41		
478	Jammu	10.90	10.90	10.90	UDHEYWALA		UD4	URBAN		10.90	7.30		3.60	0.40		
479	Kathua				66/11Kv 1X10MVA+1X6.3MVA of 36.3MVA 66/11Kv Receiving Station Hatlimore-I	KA01	Kathua-I	Urban/Mixed		18.22	6.19		66.05	72.11%		
480	Kathua					KA02	Kathua-II	Urban/Mixed		19.39	7.26		62.57	66.12%		
481	Kathua					KA04	Janglote (civil)	Rural /Mixed		4.93	2.34		52.52	57.00%		
482	Kathua					KA05	Bagthali	Rural /Mixed		7.69	5.14		33.19	39.02%		
483	Kathua					KA06	Ludan Chack	Rural /Mixed		2.29	1.39		39.05	46.15%		
484	Kathua					KA09	PHE H.More	Govt.		3.14	2.84		9.61	53.46%		
485	Kathua				66/11KV 1X10MVA Taraf-Pajwal	TP01	Kathua-IV	Urban/Mixed		4.91	3.57		27.16	51.88%		
486	Kathua					TP02	Kathua-V	Urban/Mixed		15.66	4.24		72.93	80.26%		
487	Kathua					TP03	PHE T.P	Govt.		1.04	0.92		11.51	11.51%		
488	Kathua					TP04	Jarai	Rural /Mixed		6.10	2.01		67.06	67.06%		
489	Kathua				66/6.6KV 2X5MVA RTIC	BPR01	Basantpur lift Irri.	Agricultural		4.65	4.65		0.00	4.85%		
490	Kathua				66/11KV 1X10MVA Basantpur	DH01	Dhana	Rural /Mixed		4.37	1.78		59.38	66.74%		
491	Kathua					TH01	Thein	Rural /Mixed		1.50	0.64		57.53	57.53%		
492	Kathua				66/11KV	CM01	CTM 66KV	Industrial		197.56	197.56		0.00	0.10%		
493	Kathua				66/11KV 1X5MVA Knit	KN01	Knit Fab.	Industrial		11.92	11.92		0.00	0.10%		
494	Kathua				66/11KV 1X5MVA M.D.	MD	M.D. Enterprises	Industrial		7.35	7.35		0.00	0.10%		
495	Kathua				66/11KV 2X10MVA Industry (At present 1X10+1X5MVA)	SI04	Industry-1	Industrial		5.65	5.61		0.71	0.71%		
496	Kathua					SI01	Industry-II	Industrial		14.70	14.63		0.48	2.15%		
497	Kathua					SI02	SICOP-III	Industrial		10.51	10.49		0.25	0.25%		
498	Kathua					SI03	Sidco	Industrial		7.34	7.02		4.35	15.04%		
499	Kathua					KA05	SICOP-VI (Godrej)	Industrial		2.03	2.03		0.00	0.10%		
500	Kathua					SI05	SICOP-V (MD)	Industrial		1.78	1.78		0.00	0.10%		
501	Kathua				66/11KV 2X10MVA Nagri	NA01	Saidpur	Rural /Mixed		10.34	3.23		68.78	75.10%		
502	Kathua					NA02	Nagri	Rural /Mixed		10.11	4.99		50.60	62.42%		
503	Kathua					NA03	Airwan	Rural /Mixed		6.51	2.22		65.95	79.96%		
504	Kathua					NA04	Jakhbar	Rural /Mixed		4.12	0.83		79.76	85.03%		
505	Kathua					NA05	Nagri Industry	Industrial		1.29	1.29		0.00	0.10%		
506	Kathua					NA06	Jarmal	Rural /Mixed		7.82	2.27		71.01	83.26%		
507	Kathua				66/11KV 2X10MVA Palli	BA01	Barwal	Rural /Mixed		15.36	4.37		71.57	75.06%		
508	Kathua					BA04	PHE Palli	Govt.		4.26	3.40		20.18	34.08%		
509	Kathua					BA02	Saktha- Chack-A	Industrial		2.51	2.25		10.44	33.00%		
510	Kathua					BA03	Logate	Rural /Mixed		12.28	3.64		70.39	73.49%		
511	Kathua					BA05	Logate Industry	Industrial		5.09	4.82		5.17	5.71%		
512	Kathua				66/11Kv 1X5MVA Nanan	BD01	Budhi	Rural /Mixed		9.84	5.42		44.93	74.85%		
513	Kathua					BD02	Bakhta	Rural /Mixed		4.13	3.26		21.18	35.37%		
514	Kathua					BD03	Nanan	Rural /Mixed		3.05	1.46		52.32	52.32%		
515	Kathua				66/11Kv 1X5+1X10MVA Changran	CH01	Kathua City	Urban		11.15	4.05		63.65	72.88%		
516	Kathua					CH02	Changran	Rural/Mixed		11.18	4.20		62.45	65.68%		

517	Kathua				Chanigran	CH03	Jakhbar Old	Rural /Mixed		14.34	5.04		64.88	81.77%		
518	Kathua				66/11, 1X10MVA Barnoti	BR02	Saktha- Chack-B	Industrial		7.52	6.74		10.38	28.27%		
519	Kathua					BR01	Barnoti	Rural/Mixed		10.62	2.97		72.05	76.64%		
520	Kathua				66/11KV 1X5MVA+1X5MVA Hatlimore-II (Kharotemore)	HA01	PHE K.More	Govt.		1.34	1.34		0.00	13.08%		
521	Kathua					JA05	Hospital	Govt.		1.52	1.52		0.00	25.94%		
522	Kathua					JA04	All India Radio	Govt.		0.44	0.40		8.39	64.02%		
523	Kathua					JA01	Janglote-II	Rural/Mixed		11.54	3.42		70.39	74.11%		
524	Kathua					JA03	Kathua-VI	Urban/Mixed		8.30	2.28		72.54	74.80%		
525	Kathua				66/11 (1X6.3MVA) Housing Colony	JA02	PHE	Govt.		1.48	1.02		31.35	31.35%		
526	Kathua					HC	Housing colony	Urban		0.99	0.39		60.49	86.45%		
527	Kathua					KA07	Kathua VII	Urban		10.28	3.04		70.39	75.48%		
528	Kathua				66/33/11KV 1X10MVA+1X10MVA	HA01	Hatli-I	Rural/Mixed		3.77	1.48		60.68	60.68%		
529	Kathua					HA02	Hatli-II	Rural/Mixed		9.80	4.61		52.97	72.57%		
530	Kathua				66/11KV 1X20MVA IID Centre	IDO1	Industry-I	Industrial		1.90	1.89		0.11	0.11%		
531	Kathua					IDO2	Industry-II	Industrial		9.19	9.00		2.07	16.62%		
532	Kathua					IDO3	Industry-III	Industrial		2.00	2.00		0.00	15.40%		
533	Kathua					IDO4	Industry-IV	Industrial		2.89	2.80		3.28	11.87%		
534	Kathua				66/11KV 1X5MVA Bharat Paper	BP01	Bharat Paper	Industrial		5.00	3.00		40.00	0.10%		
535	Kathua					NCPI	Nicer Paper Mill	Industrial		16.21	16.21		0.00	0.10%		
536	Kathua				66/11KV 1X8MVA	KP01	K.P.Paper	Industrial		5.00	3.00		40.00	0.10%		
537	Kathua				66/11KV 6.3MVA	KN01	Kohinoor	Industrial		11.40	11.35		0.38	0.38%		
538	Kathua				66/11KV 1X5MVA Bala Ji	BL01	Bala Ji Pigment	Industrial		2.70	2.70		0.00	26.02%		
539	Kathua				66/11Kv 1X10MVA+1X6.3MVA of 36.3MVA 66/11Kv Receiving Station Hatlimore-I	CM01	CTM-I	Industrial		12.19	12.18		0.12	0.12%		
540	Kathua					CM01	CTM-II	Industrial		8.28	8.28		0.00	0.10%		
541	Kathua					KA03	Kathua-III	Urban/Mixed		14.35	6.36		55.68	59.32%		
542	Kathua					KA08	GMC Kathua	Govt		0.34	0.34		0.00	0.10%		
543	Kathua					SI01	Kay Kay Gas	Industrial		0.57	0.57		0.00	31.97%		
544	Kathua				66/11Kv 1X5MVA	KA08	MES Janglote	Govt.		3.47	3.47		0.00	6.86%		
545	Kathua				66/11KV 3MVA Komal	KM01	Komal Paper	Industrial		6.49	6.49		0.11	0.11%		
546	Kathua				66/11KV 1X10MVA Keerian-Gandyal	KG01	Keerian Gandyal	Rural/Mixed		5.84	2.47		57.65	67.63%		
547	Kathua					KG02	Industry Keerian	Industrial		1.24	1.23		0.80	77.34%		
548	Kathua					KG03	C.&.C.	Industrial		4.00	4.00		0.00	100.00%		
549	Kathua				66/11KV 1X10MVA Lakhanpur	LA02	Excise Deptt.	Govt.		1.07	0.57		46.90	86.06%		
550	Kathua					LA01	Lakhanpur	Urban/Mixed		8.61	4.15		51.75	73.71%		
551	Kathua					LA04	Lakhanpur Village	Rural/Mixed		3.79	1.07		71.85	83.85%		
552	Kathua				66/11KV 1X5MVA	LA03	MES Basohli	Govt.		2.76	2.76		0.00	47.15%		
553	Kathua				66/6.6KV 2X5MVA RTIC Lakhanpur	LA05	Lakhanpur lift Irri. T1	Agricultural		6.07	6.07		0.00	76.36%		
554	Kathua					LA05	Lakhanpur lift Irri.T2	Agricultural		5.00	3.00		40.00	100.00%		
555	Kathua				66 KV Nanan Ghatti line	G101	Industry-I	Industrial		5.00	3.00		40.00	100.00%		
556	Kathua					G102	Industry-II	Industrial		5.00	3.00		40.00	100.00%		
557	Kathua					G103	Industry-III	Industrial		0.08	0.08		0.00	0.10%		
558	Kathua				66/11KV 5MVA Sherpur	SH01	Sherpur	Rural/Mixed		7.56	3.36		55.55	59.16%		
559	Kathua					SH02	BSF	Rural/Mixed		0.13	0.13		4.51	4.51%		
560	Kathua					SH03	Kattal	Rural/Mixed		1.32	0.74		44.29	46.00%		
561	Kathua				66/11 KV 1X6.3MVA Nichla	SD01	Saida	Rural/Mixed		3.04	1.38		54.61	58.29%		
562	Kathua					K002	Kooth-II	Rural/Mixed		10.40	3.76		63.84	64.57%		
563	Kathua					NI01	PHE	Govt		0.80	0.76		4.89	63.89%		
564	Kathua				66/11KV 1X10MVA of 40MVA 66/33/11KV Hiranagar-1	CH01	Chadwal	Rural/Mixed		15.06	6.29		58.21	61.53%		
565	Kathua					DA01	Dinga Amb-I&MES	Rural/Mixed		12.80	5.27		58.84	64.58%		
566	Kathua					K001	Kooth-1	Rural/Mixed		6.01	2.78		53.71	61.84%		
567	Kathua				66/11KV 1X10MVA Chhani	RB03	Chhani	Rural/Mixed		10.21	3.54		65.29	68.30%		
568	Kathua					RB01	Rajbagh	Rural/Mixed		19.09	6.61		65.38	73.31%		
569	Kathua					RB02	Chandwan	Rural/Mixed		9.50	2.93		69.11	74.39%		
570	Kathua				66/11KV 1X10MVA Marheen	BB01	Bobiya	Rural/Mixed		11.00	4.33		60.63	71.54%		
571	Kathua					MH01	Marheen	Rural/Mixed		8.63	3.14		63.65	72.15%		
572	Kathua					PH01	Kot Punnu	Rural/Mixed		10.01	3.18		68.26	73.03%		
573	Kathua					BB02	BSFBobyia	Govt		3.71	1.79		51.63	54.63%		
574	Kathua					BB03	Bandhor	Rural/Mixed		5.12	1.66		67.53	71.24%		
575	Kathua				66/11KV 1X10MVA Pharpur	HC01	Haria Chack	Rural/Mixed		7.15	2.76		61.45	70.87%		
576	Kathua					PH01	Pharpur	Rural/Mixed		5.73	2.29		60.00	67.28%		
577	Kathua					PH02	BSF Pharpur	Govt		0.21	0.21		0.49	0.49%		
578	Kathua					PH03	Kot Punnu-II	Rural/Mixed		8.69	4.38		49.64	64.01%		
579	Kathua				66/11KV 1X10MVA Hiranagar-II	HG01	Chakra	Rural/Mixed		8.33	2.86		65.64	70.98%		
580	Kathua					HG02	Hgr.City	Urban/Mixed		12.05	3.51		70.90	80.07%		
581	Kathua					HG03	Hospital.HGR	Govt.		0.31	0.31		0.00	0.10%		

582	Kathua					HG04	Hgr.Jail	Govt.		0.53	0.38		28.17	51.76%			
583	Kathua				66/11KV 1X10MVA of 40MVA 66/33/11KV Hiranagar-1	JH01	Jandi	Rural/Mixed		8.35	3.59		57.03	57.70%			
584	Kathua					DC01	Dayala Chack	Rural/Mixed		9.25	3.80		58.94	62.90%			
585	Kathua					HN01	HGR.	Rural/Mixed		5.34	2.67		49.90	58.96%			
586	Kathua				33/11KV 1X3.15MVA Challan Pranjli	KT02	Dinga Amb-II	Rural/Mixed		6.21	2.83		54.50	57.47%			
587	Kathua					KT01	Katli	Rural/Mixed		2.01	0.70		64.99	70.06%			
588	Kathua				33/11KV 1X5+1X6.3MVA Phinter	PH01	Bhaddu	Rural/Mixed		6.41	3.00		53.17	53.17%			
589	Kathua					PH02	Billawar	Rural/Mixed		8.16	4.40		46.13	46.72%			
590	Kathua					PH03	Dewal	Rural/Mixed		6.46	2.99		53.64	55.34%			
591	Kathua					PH03	Chanera	Rural/Mixed		6.16	3.79		38.46	47.53%			
592	Kathua					PH05	PHE (L)	Govt		2.89	2.61		9.85	49.82%			
593	Kathua				33/11KV 1X3.15MVA Baggan	BG01	MM	Rural/Mixed		1.63	1.18		27.24	27.24%			
594	Kathua					BG02	Dhar Dugnu	Rural/Mixed		1.46	0.96		34.11	34.11%			
595	Kathua				33/11KV 1X1.6MVA Macheddi	MA01	Machedi	Rural/Mixed		1.68	1.01		40.07	40.07%			
596	Kathua					MA02	Malhar	Rural/Mixed		1.84	1.09		40.50	43.21%			
597	Kathua				33/11KV 1X3.15MVA Mahanpur	MH01	Mahanpur	Rural/Mixed		4.88	2.86		41.46	44.00%			
598	Kathua					MH02	Raipur	Rural/Mixed		7.18	3.60		49.89	60.44%			
599	Kathua				33/11KV 1X3.15MVA Tandi	TN01	Sukral	Rural/Mixed		0.42	0.26		38.46	41.02%			
600	Kathua					TN02	Tandi	Rural/Mixed		0.17	0.08		50.91	50.91%			
601	Kathua				33/11KV 1X3.15 MVA	MH01	Mahanpur-I	Rural/Mixed		4.43	2.29		48.31	50.80%			
602	Kathua				33/11KV 1X10MVA Basohli	SJ01	Saman-Jandrota	Rural/Mixed		2.75	1.34		51.49	51.49%			
603	Kathua					MH02	Mahanpur-II	Rural/Mixed		4.56	2.60		43.04	51.18%			
604	Kathua					BH01	Basohli	Rural/Mixed		10.35	5.74		44.57	70.12%			
605	Kathua					BH02	Navodya	Govt		0.18	0.14		24.46	95.25%			
606	Kathua					BH03	PHE	Govt		0.54	0.54		0.00	0.10%			
607	Kathua				1 x 4 MVA Bhoond	BD01	Bhoond	Rural/Mixed		1.71	1.07		37.56	37.56%			
608	Kathua					SD01	Sander	Rural/Mixed		1.48	1.12		24.76	24.76%			
609	Kathua					MA01	Maskha	Rural/Mixed		3.37	1.69		49.90	49.90%			
610	Kathua				33/11KV, 3.15+6.3 MVA Bani	BN01	Bani-1	Rural/Mixed		3.95	1.91		51.70	61.27%			
611	Kathua					BN03	Bhandhar	Rural/Mixed		2.31	1.68		27.61	26.69%			
612	Kathua					BN02	Bani-II	Rural/Mixed		5.18	2.22		57.11	67.62%			
613	Kathua					BN04	Duggan	Rural/Mixed		2.54	1.77		30.09	30.09%			
614	Kathua				33/11KV,1 x 3.15 MVA	NG01	Nagrota	Rural/Mixed		5.77	2.24		61.14	64.08%			
615	Kathua				33/11 KV 1 x 6.3 MVA Ramkot	RK01	Ujh	Rural/Mixed		8.62	5.38		37.64	37.64%			
616	Kathua					RK02	PHE Ramot	Govt		0.80	0.80		0.00	34.01%			
617	Kathua				33/11 KV 1 x 3.15 MVA Gura Kalyal	GK01	Lakhri	Rural/Mixed		8.72	5.18		40.58	59.17%			
618	Kathua					GK02	Gura Kalyal	Rural/Mixed		4.14	2.88		30.42	40.63%			
619	Kathua					GK03	Ludera	Rural/Mixed		2.57	1.72		32.96	41.79%			
620	Kathua				1 x 5+1 x 6.3 MVA Phinter	PH06	Mandli	Rural/Mixed		7.83	4.64		40.75	60.84%			
621	Kathua					PH07	Lahri-Bathri	Rural/Mixed		4.83	3.12		35.49	53.25%			
622	Kathua				33/11 KV 1 x 3.15 MVA Lahri-Kadethar	KD01	Lahri-Kadethar	Rural/Mixed		0.31	0.27		11.15	11.15%			
623	Kathua					KD02	Sadotra	Rural/Mixed		0.23	0.16		28.63	28.63%			
624	Kathua				10 MVA EPIP (Kartholi)	KH02	K-2	INDUSTRY		4.953	4.573		7.67				
625	Kathua					KH03	K-3	INDUSTRY		4.551	4.291		5.71				
626	Kathua					KH04	K-4	INDUSTRY		12.860	12.270		4.59				
627	Kathua				R Stn BBI	BH-BB01	Birpur Complex Kartholi	INDUSTRY		4.338	3.942		9.13				
628	Kathua				R Stn Birpur Complex	BH-BC01	Birpur Ind. Complex	INDUSTRY		10.160	9.602		5.49				
629	Kathua				R Stn Sarore	SA02	Sarore Ind.	INDUSTRY		1.738	1.560		10.24				
630	Kathua				33 KV Kartholi Ind Line	KH05	Sun Pharma	INDUSTRY		3.790	3.790		0.00				
631	Kathua					KH08	Euro Bond	INDUSTRY		0.975	0.975		0.00				
632	Kathua					KH06	Jindal	INDUSTRY		7.984	7.984		0.00				
633	Kathua					KH07	Lupin	INDUSTRY		5.844	5.844		0.00				
634	Kathua						Ravenbhell	INDUSTRY		3.390	3.390		0.00				
635	Kathua				31.5 MVA BB I	BH-BB03	B B Town	URBAN		13.352	8.424		36.91				
636	Kathua					BH-BB02	Kaluchak	URBAN		22.583	15.143		32.95				
637	Kathua				1x10 MVA BBI	BH-BB04	PHE	MIXED		5.430	3.465		36.19				
638	Kathua				2X10 MVA Birpur. Complex	BH-BC03	Kanhal	MIXED		29.748	17.360		41.64				
639	Kathua					BH-BC02	Sehora	URBAN		16.194	8.155		49.64				
640	Kathua				3.15 MVA Mandal	MD-02	Purmandal / Mandl	RURAL		6.581	3.511		46.65				
641	Kathua					MD-01	Sandhi	RURAL		5.053	2.712		46.33				
642	Kathua				6.3 MVA Smailpur	SM01	Smailpur	RURAL		7.732	2.709		64.96				
643	Kathua					SM02	Badhori	RURAL		9.720	4.350		55.25				
644	Kathua					SM03	Meen	RURAL		7.680	2.320		69.79				
645	Kathua				1X6.3 MVA Sarore	SA01	Sarore	RURAL		6.990	3.960		43.35				
646	Kathua					SA03	Pattli / Badoi	RURAL		8.260	4.140		49.88				
647	Kathua					RT01	Birpur	RURAL		10.020	5.210		48.00				

648	Kathua				6.3 MVA Ratniuchak	RT03	Ansal	RURAL		1.660	1.130		31.93				
649	Kathua					RT02	Data Da Talab	RURAL		10.610	5.700		46.28				
650	Kathua				Ramgarh town	RG01	Ramgarh	Mixed		5.508	3.60		50.42	40.74			
651	Kathua				Ramgarh town	RG04	Dadyal	Mixed		4.044	1.47		73.04	81.72			
652	Kathua				Rangoor	RC02	Kamore	Mixed		6.760	3.00		67.92	84.01			
653	Kathua				Ramgarh town	RG03	Nanga	Mixed		6.038	2.07		71.45	81.76			
654	Kathua				Rangoor	RC01	Rangoor	Agriculture		2.610	0.61		0.00	84.54			
655	Kathua				Ramgarh town	RG05	SM Pur	Mixed		5.075	1.62		78.15	88.13			
656	Kathua				Ramgarh town	RG02	Abtal	Mixed		5.193	1.66		70.05	83.04			
657	Kathua				Rangoor	RC04	BSF	BSF		0.425	0.43		58.63	54.18			
658	Kathua				Nandpur	NP02	Jerda	Mixed		9.333	1.73		81.92	83.46			
659	Kathua				Nandpur	NP01	Chamblayal	Agriculture		5.522	0.54		82.72	90.32			
660	Kathua				Ramgarh town	RG06	Mahal	Mixed		3.093	2.09		60.39	65.27			
661	Kathua				Rangoor	RC03	Barota	Mixed		7.324	3.06		67.59	75.61			
662	Kathua				Ramgarh town	RG07	BSF Ramgarh	Bsf		0.960	0.30		0.66	0.25			
663	Kathua				Vijaypur	VJ04	Koulpur	Mixed		4.611	4.72		73.01	80.45			
664	Kathua				Vijaypur	VJ03	Bandral	Mixed		7.664	2.50		63.74	63.44			
665	Kathua				SAMBA - II	SA01	SAMBA-I	mixed		8.571	3.38648		5.18	0.68			
666	Kathua				SAMBA - II	SA04	SAMBA-III	mixed		6.212	1.88743		4.32	0.76			
667	Kathua				SAMBA-I	SM01	SAMBA - II	mixed		10.272	2.35026		7.92	0.81			
668	Kathua				SAMBA-I	SM04	SAMBA-IV	mixed		9.342	3.08486		6.26	0.70			
669	Kathua				RAIPUR	BN01	BAINGLAD	mixed		6.604	2.51173		4.09	0.69			
670	Kathua				RAIPUR	BN02	RAIPUR	mixed		6.2097	1.75729		4.45	0.80			
671	Kathua				RAIPUR	BN03	KUNGWAL	mixed		5.686	2.38896		3.30	0.68			
672	Kathua				THALOTE	DE01	SUMB	mixed		6.48573	6.05326		0.43	0.23			
673	Kathua				THALOTE	DE02	THALOTE	mixed		3.01102	1.45591		1.56	0.61			
674	Kathua				THALOTE	DE03	PENTHI	mixed		8.342	2.32801		6.01	0.78			
675	Kathua				GHAGWAL	GH01	GHAGWAL	mixed		20.58204	6.07092		14.51	0.71			
676	Kathua				GHAGWAL	GH02	PHE	mixed		2.18915	2.42425		0.00	0.14			
677	Kathua				IGC PH I	IG01	INDUSTRY-I	INDUSTRIAL		6.603	1.29122		5.31	0.80			
678	Kathua				IGC PH I	IG02	INDUSTRY-II	INDUSTRIAL		18.20243	18.44902		0.00	0.06			
679	Kathua				IGC PH I	IG03	INDUSTRY-III	INDUSTRIAL		14.53709	12.71548		1.82	0.23			
680	Kathua				IGC PH I	IG04	SAMBA-IG04	mixed		8.2187	4.88763		3.33	0.65			
681	Kathua				IGC PH I	IG05	INDUSTRY-IV	INDUSTRIAL		3.7731	0.96272		2.81	0.84			
682	Kathua				IGC PH I	IG06	D.C. Off	mixed		1.79048	0.79424		1.00	0.56			
683	Kathua				IGC PH I	IG07	PHE	mixed		5.4235	1.95039		3.47	0.71			
684	Kathua				IGC PH I	IG12	VIJAY PUR IND.	MIXED		9.3942	3.01514		6.38	0.88			
685	Kathua				IGC PH I	IG13	11 KV INDUSTRY-V(DEDICATED)	INDUSTRIAL		3.8357	1.38025		2.46	0.64			
686	Kathua				IGC PH II	IR01	IND-I	INDUSTRIAL		5.86839	4.30106		1.57	0.31			
687	Kathua				IGC PH II	IR02	IND-II	INDUSTRIAL		6.47191	5.07914		1.39	0.40			
688	Kathua				IGC PH II	IR03	IND-III	INDUSTRIAL		5.2634	1.79823		3.47	0.66			
689	Kathua				IGC PH II	IR04	IND-IV	INDUSTRIAL		8.09364	8.36796		0.00	0.00			
690	Kathua				IGC PH II	IR05	PHE RAKH	MIXED		10.3111	4.83397		5.48	0.58			
691	Kathua				66 KV	ME01	MES	INDUSTRIAL		7.23025	7.23		0.00	0.00			
692	Kathua				RAJPURA	MW01	MAWA	mixed		10.13326	4.41835		5.71	0.69			
693	Kathua				NICHLA	NC01	SURARA	mixed		3.01018	1.32724		1.68	0.62			
694	Kathua				RAJPURA	RJ01	RAJPURA	mixed		14.65264	4.3013		10.35	0.76			
695	Kathua				RAJPURA	RJ02	SANURA	mixed		4.15116	1.21299		2.94	0.71			
696	Kathua				RAJPURA	RJ03	BSF-I	mixed		0.8434	0.13026		0.71	0.85			
697	Kathua				RAJPURA	RJ04	BSF-II	mixed		0.23621	0.29621		0.00	0.01			
698	Kathua				GHAGWAL	RN01	JATWAL	mixed		12.97674	4.82253		8.15	0.73			
699	Kathua				GHAGWAL	PGCIL	POWER GRID	mixed		3.22118	0.3746		2.85	0.88			
700	Kathua				REHIAN	RN03	RAIYAN	mixed		7.5363	2.09366		5.44	0.79			
701	Kathua				REHIAN	RN04	BSF	mixed		2.2586	0.98487		1.27	0.56			
702	Kathua				SAMBA II	SA02	PHE DIYANI	mixed		11.022	5.11831		5.90	0.77			
703	Kathua				SAMBA II	SA03	HOSPITAL	mixed		1.7538	1.89774		0.00	0.00			
704	Kathua				66 KV	SB01	5MVA M/S INDO SWIFT	INDUSTRIAL		9.06026	9.0604		0.00	0.00			
705	Kathua				66 KV	SB02	5MVA M/S BERGER	INDUSTRIAL		8.417	8.019		0.40	0.05			
706	Kathua				66 KV	SB03	5MVA M/S CADILA	INDUSTRIAL		6.52108	6.5205		0.00	0.00			
707	Kathua				66KV		66KV BUS OUT (DEDICATED)	INDUSTRIAL		31	20		11.00	1.00			
708	Kathua				132 KV	SB05	EDICATED FEEDER ON 132KV LINE RAILWAY T	INDUSTRIAL		18.5411	18.486		0.06	0.00			
709	Kathua				SATAH	SH01	BALODE	mixed		6.0622	2.45499		3.61	0.62			
710	Kathua				SATAH	SH02	NUD	mixed		8.2642	3.13353		5.13	0.69			
711	Kathua				SATAH	SH03	NAVODYA	mixed		0.88271	0.57681		0.31	0.40			
712	Kathua				66 KV	SB06	HINDUSTAN FOODS	INDUSTRIAL		5.299	4.903		0.40	0.07			
713	Kathua				66 KV	SB07	ALSTRONG	INDUSTRIAL		14.0917	14.0916		0.00	0.09			

714	Kathua				66 KV	SB08	DEWAN MODERN	INDUSTRIAL		3.311	3.293		0.02	0.01		
715	Kathua				66 KV	SB10	ZEISS PHARMA	INDUSTRIAL		4.9004	4.8768		0.02	0.00		
716	Kathua				66 KV	SB11	KANDHARI	INDUSTRIAL		10.99892	10.95692		0.04	0.12		
717	Kathua				REHIAN	RN05	RAIYAN 05	mixed		2.3506	0.5079		1.84	0.80		
718	Kathua				VIJAYPUR I	VJ01	VIJAYPUR I	MIXED		15.27	4.93089244		36.91			
719	Kathua				VIJAYPUR II	VJ02	VIJAYPUR II	MIXED		6.17	2.48321333		32.95			
720	Kathua				VIJAYPUR III	VJ03	VIJAYPUR III	MIXED		10.93	4.18699271		36.19			
721	Kathua				Hospital	VJ04	HOSPITAL	HOSPITAL		0.43	0.26096593		41.64			
722	Kathua				Jakh	JK01	JAKH	MIXED		11.75	2.81820639		49.64			
723	Kathua				Raika	JK02	RAIKA	MIXED		7.37	2.15708646		46.65			
724	Kathua				Jakh-Ind.	JK03	JAKH IND.	INDUSTRY		15.02	0.55053224		46.33			
725	Kathua				JOGPUR	JK04	JOGPUR	MIXED		3.71	3.1105817		64.96			
726	Kathua				Raya	RY01	RAYA	MIXED		10.50	2.66183208		55.25			
727	Kathua				Rajindepura	RY02	RAJINDER PURA	MIXED		7.76	2.60354771		69.79			
728	Kathua				Patti	RY03	PATTI	MIXED		8.73	3.0098569		43.35			
729	Kathua				Gurah Slathia	GS02	GURAH SLTHIA	MIXED		7.49	1.59895206		49.88			
730	Kathua				Badwal	GS01	BADWAL	MIXED		6.66	1.44199682		48.00			
731	Kathua				Utterbahni	GS03	UTTERBEHANI	MIXED		7.35	3.84144751		31.93			
732	Kathua				Nandpur	ND01	NANDPUR	MIXED		7.17	2.34611645		46.28			
733	Kathua				New Nandpur	ND02	NEW NANDPUR	MIXED		3.72	2.61255111		50.42			
734	Kathua				RAIKA II	JK05	RAIKA NEW	MIXED		0.20	1.32795856		53.04			
735	Batote	14.7	14.7	14.7	Champa	DR01	Batote	Mixed		14.7	4.19		10.51	0.35		
736	Batote	0.44	0.44	0.44	Champa	DR02	Essential	Mixed		0.44	0.388		36.99	32.81		
737	Batote	2.09	2.09	2.09	Champa	DR03	Sanasar	Rural		2.09	0.67		25.87	22.16		
738	Batote	5.66	5.66	5.66	Champa	DR04	Dharmound Siraj	Rural		5.66	1.93		56.68	48.61		
739	Batote	1.68	1.68	1.68	Champa	DR05	MES	Rural/Dedicated		1.68	1.16		84.76	77.5		
740	Batote	0.76	0.76	0.76	Champa	DR06	Boon Bari	Rural		0.76	0.14		5.61	5.61		
741	Batote	3.63	3.63	3.63	Patnitop	PT01	Patnitop	Rural		3.63	3.43		0.20	0.5		
742	Batote	2.03	2.03	2.03	Patnitop	PT02	Natha Top Rural	Rural		2.03	2.03		0.00	0.45		
743	Batote	0.257	0.257	0.257	Patnitop	PT04	Doordarshan	Rural/Dedicated		0.257	0.161		15.04	4.6		
744	Batote	0.224	0.224	0.224	33 KV Patnitop	PT06	Gandolla	Rural/Dedicated		0.224	0.204		26.58	26.58		
745	Batote	3.31	3.31	3.31	Champa	AS01	Assar	Rural		3.31	1.42		37.81	31.3		
746	Batote	3	3	3	Champa	AS02	Bagger	Rural		3	1.33		25.85	23.45		
747	Batote	1.52	1.52	1.52	132/33KV Champa	LT01	Leighton	Rural/Dedicated		1.52	1.52		0.00	0.35		
748	Batote	10.292	10.292	10.292	Banihal	BA01	Banihal	Urban		10.292	7.224		3.07	0.3		
749	Batote	7.888	7.888	7.888	Banihal	BA03	Old Nowgam	Rural		7.888	5.69		2.20	0.56		
750	Batote	0.613	0.613	0.613	Banihal	BA02	Essential	Urban		0.613	0.468		15.183	15.183		
751	Batote	9.315	9.315	9.315	Chareel	CH01	Chareel	Rural		9.315	6.511		2.80	0.56		
752	Batote	7.657	7.657	7.657	Ramsoo	RA03	Nachilana	Rural		7.657	4.785		154.56	87.67709		
753	Batote	8.341	8.341	8.341	AFCON Khari	IF01	AFCON Khari	Dedicated		8.341	8.341		0.00	0.1		
754	Batote	7.191	7.191	7.191	Banihal	BA07	Sherbibi	Rural		7.191	4.853		157.299	79.74651		
755	Batote	4.711	4.711	4.711	Banihal	BA04	Bankoot	Rural		4.711	3.466		112.383	53.9516		
756	Batote	0.78	0.78	0.78	ABCI Tatnihal	AB01	ABCI Tatnihal	Dedicated		0.78	0.78		25.392	25.392		
757	Batote	11.817	11.817	11.817	Banihal	BA06	Hinjal	Rural		11.817	6.882		4.94	0.65		
758	Batote	4.332	4.332	4.332	Sumber IRCON	RL01	Sumber IRCON	Dedicated		4.332	4.332		0.00	0.3		
759	Batote	3.021	3.021	3.021	Ramsoo	RA02	Old Ukhral	Rural		3.021	1.825		58.662	42.90891		
760	Batote	1.651	1.651	1.651	Ramsoo	RA01	Ramsoo	Rural		1.651	1.172		38.016	27.73514		
761	Batote	8.565	8.565	8.565	Chareel	NG01	New Nowgam	Rural		8.565	5.68		2.89	0.2		
762	Batote	0.54	0.54	0.54	Chareel	JT01	Jawahar Tunnel	Dedicated		0.54	0.54		17.525	17.5248		
763	Batote	6.28	6.28	6.28	Navayuga	NF01	Navayuga	Dedicated		6.28	6.28		0.00	55		
764	Batote	2.448	2.448	2.448	Ukhral	PA02	Ukhral New	Rural		2.448	1.579		51.207	34.91022		
765	Batote	3.981	3.981	3.981	Ukhral	PA01	Paristan	Rural		3.981	2.535		82.2	49.54154		
766	Batote	3.721	3.721	3.721	Ukhral	PA03	Pogal	Rural		3.721	2.485		80.655	43.83232		
767	Batote	10.585	10.585	10.585	Maitra	RB01	Ramban	Urban		10.585	5.835		4.75	0.64		
768	Batote	7.125	7.125	7.125	Maitra	RB02	Battery Chasma	Rural		7.125	5.324		1.80	0.55		
769	Batote	6.66	6.66	6.66	Maitra	RB04	Karol	Rural		6.66	2.494		56.501	57.048		
770	Batote	1.407	1.407	1.407	Maitra	RB05	Essential Ramban	Urban		1.407	0.608		46.9	39.933		
771	Batote	0.468	0.468	0.468	Maitra	RB06	MES Ramban	Urban (Dedicated)		0.468	0.168		11.629	7.85		
772	Batote	0.442	0.442	0.442	Maitra	RB07	IRP Parnote	Rural (Dedicated)		0.442	0.423		25.327	8.496		
773	Batote	3.971	3.971	3.971	Maitra	RB03	Old Chanderkote	Rural		3.971	1.998		80.908	64.179		
774	Batote	7.797	7.797	7.797	Chanderkote	CH01	New Chanderkote	Rural		7.797	4.528		3.27	0.57		
775	Batote	2.72	2.72	2.72	Chanderkote	CH02	Rajgarh	Rural		2.72	1.565		94.692	25.542		
776	Batote	5.832	5.832	5.832	Sangaldan	SD01	Sangaldan	Rural		5.832	2.865		85.051	69.153		
777	Batote	6.322	6.322	6.322	Sangaldan	SD02	Thatharka	Rural		6.322	2.658		80.982	60.299		
778	Batote	2.474	2.474	2.474	Sangaldan	SD03	Old Gool	Rural		2.474	1.159		33.324	25.832		
779	Batote	0.533	0.533	0.533	Sangaldan	SD04	Afcon/ Railways	Rural		0.533	0.533		47.737	43.126		

780	Batote	10.145	10.145	10.145	Age Patel Sangaldan	SD05	Age Patel Sangaldan	Rural (Dedicated)		10.145	9.91		0.23	0.23
781	Batote	2.164	2.164	2.164	Gammon Harog	SD06	Gammon Harog	Rural (Dedicated)		2.164	2.075		122.669	71.181
782	Batote	3.061	3.061	3.061	Gool	GL01	New Gool	Rural		3.061	1.609		54.42	36.791
783	Batote	2.502	2.502	2.502	Gool	GL02	Dachan-Deeda	Rural		2.502	1.518		42.956	32.808
784	Batote	2.978	2.978	2.978	Gammon Gool	GL03	Gammon Gool	Rural (Dedicated)		2.978	2.858		146.497	54.293
785	Batote	1.248	1.248	1.248	Dharmari	Dh03	Arnas Back	Mixed		1.248	0.667		46.613	58.952
786	Batote	4.37	4.37	4.37	Dharmari	Dh04	Mahore Back	Mixed		4.37	1.345		69.212	76.695
787	Batote	2.239	2.239	2.239	Dharmari	Dh01	Dharmari	Mixed		2.239	1.167		47.879	47.879
788	Batote	5.075	5.075	5.075	Dharmari	Dh02	Thuroo	Mixed		5.075	2.285		54.984	65.619
789	Batote	2.161	2.161	2.161	Sar Bagga	Sb01	Mohore	Mixed		2.161	1.002		53.644	69.181
790	Batote	5.876	5.876	5.876	Sar Bagga	Sb02	Chasana	Mixed		5.876	2.756		53.101	66.963
791	Batote	2.412	2.412	2.412	Sar Bagga	Sb03	Gulab Garah	Mixed		2.412	1.14		52.776	67.494
792	Batote	0.504	0.504	0.504	Sar Bagga	Sb04	Baddar	Mixed		0.504	0.086		82.983	85.813
793	Batote	5.984	5.984	5.984	Arnas	Ar02	Arnas	Mixed		5.984	3.172		47.002	67.343
794	Batote	4.354	4.354	4.354	Arnas	Ar01	Chinkha	Mixed		4.354	1.753		59.724	80.064
795	Batote	13.766	13.766	13.766	Trintha Reasi	RE01	Reasi	Mixed		13.766	6.257		54.549	67.655
796	Batote	5.399	5.399	5.399	Trintha Reasi	BD01	Bidda	Rural		5.399	3.632		32.727	32.727
797	Batote	10.461	10.461	10.461	Trintha Reasi	KB01	Katra Back	Rural		10.461	5.393		48.447	68.936
798	Batote	12.239	12.239	12.239	Trintha Reasi	MH01	Mahadev	Mixed		12.239	6.612		45.975	56.627
799	Batote	10.693	10.693	10.693	Trintha Reasi	RR01	Rural Reasi	Rural		10.693	5.305		50.388	70.289
800	Batote	1.413	1.413	1.413	Trintha Reasi	AR01	Army	Dedicated		1.413	1.413		0.021	8.642
801	Batote	3.108	3.108	3.108	Trintha Reasi	PH01	PHE	Dedicated		3.108	2.191		29.522	65.647
802	Batote	2.563	2.563	2.563	Trintha Reasi	JK01	Salal	Dedicated		2.563	2.563		0.000	81.381
803	Batote	1.254	1.254	1.254	Trintha Reasi	HP01	Police/Hospital	Dedicated		1.254	1.187		5.281	26.687
804	Batote	5.624	5.624	5.624	Puria Pouni	Pn01	Pouni	Rural		5.624	3.266		41.917	57.893
805	Batote	5.204	5.204	5.204	Puria Pouni	BH01	Bharkh	Rural		5.204	2.956		43.202	58.229
806	Batote	7.309	7.309	7.309	Puria Pouni	BT01	Talwara	Rural		7.309	4.641		36.504	78.516
807	Batote	0.485	0.485	0.485	Ransoo	SK01	Shiv Khori	Rural		0.485	0.109		77.448	85.248
808	Batote	5.813	5.813	5.813	Ransoo	TR01	Bharakh Back	Rural		5.813	3.431		40.968	74.891
809	Batote	1.695	1.695	1.695	Ransoo	RN01	Ransoo	Rural		1.695	1.254		26.035	51.049
810	Batote	0.207	0.207	0.207	Ransoo	PS01	Sangar/PHE	Rural		0.207	0.168		18.569	18.569
811	Batote	0.613	0.613	0.613	Ransoo	PS01	Ransoo Kotla/PHE Sangar	Rural		0.613	0.567		7.455	7.455
812	Batote	0.285	0.285	0.285	Dadoa	LP01	DP1 PHE	Rural		0.285	0.153		46.529	57.499
813	Batote	0.738	0.738	0.738	Dadoa	LT01	DP2 Laiter	Rural		0.738	0.414		43.925	53.276
814	Batote	1.717	1.717	1.717	Dadoa	KH01	DP3 Kalidhar	Rural		1.717	1.447		15.751	59.239
815	Batote	7.615	7.615	7.615	Katra	KT01	Katra	Urban		7.615	5.932		22.098	31.701
816	Batote	11.172	11.172	11.172	Katra	KT02	Jammu Road	Urban		11.172	7.866		29.593	44.070
817	Batote	14.193	14.193	14.193	Katra	KT03	Kun	Urban		14.193	7.407		47.812	60.043
818	Batote	11.096	11.096	11.096	Katra	KT04	Chintamani	Mixed		11.096	3.35		60.797	70.756
819	Batote	3.708	3.708	3.708	Katra	KT10	Railway(Kunportion)	Urban		3.708	1.829		50.674	50.674
820	Batote	5.845	5.845	5.845	Katra	KT08	Aghar Jitoo	Rural		5.845	1.691		71.069	73.525
821	Batote	6.643	6.643	6.643	Katra	KT07	Kotli Bajalin	Rural		6.643	2.95		55.589	65.593
822	Batote	0.868	0.868	0.868	Katra	KT06	American Hotel	Urban		0.868	0.868		0.00	0.10%
823	Batote	1.23	1.23	1.23	Katra	KT09	Railway katra	Urban		1.23	1.216		1.138	6.027
824	Batote	1.812	1.812	1.812	Katra	KT05	Simm Samm Hotel	Urban		1.812	1.788		1.325	1.325
825	Batote	10.417	10.417	10.417	Tara Kote	TA02	Old Vaishno Devi	Mixed		10.417	2.982		71.374	74.214
826	Batote	6.713	6.713	6.713	Tara Kote	TA01	New Vaishno Devi	Mixed		6.713	2.892		56.919	56.919
827	Batote	3.111	3.111	3.111	Tara Kote	TA04	Katra Back	Urban		3.111	0.976		68.627	68.627
828	Batote	3.992	3.992	3.992	Tara Kote	TA03	PHE SMVDSB	Mixed		3.992	3.847		3.632	6.703
829	Batote	6.272	6.272	6.272	Panthal	PN01	Searly	Rural		6.272	2.483		60.408	68.971
830	Batote	0.889	0.889	0.889	Panthal	PN02	Sukhal Gati	Rural		0.889	0.307		65.467	65.467
831	Batote	2.42	2.42	2.42	Panthal	PN06	PHE Jhajjar	Rural		2.42	2.362		2.397	2.397
832	Batote	0.931	0.931	0.931	Panthal	PN03	WSS Railway	Rural		0.931	0.874		6.122	6.122
833	Batote	0.754	0.754	0.754	Panthal	PN05	Trikuta Agro	Industrial		0.754	0.537		28.787	28.787
834	Batote	0.918	0.918	0.918	SAMVD University	UN01	SMVDU Adm. Block	Dedicated		0.918	0.911		0.763	0.763
835	Batote	0.856	0.856	0.856	SAMVD University	UN03	PHE SMVDU	Dedicated		0.856	0.856		0.00	0.10%
836	Batote	0.12	0.12	0.12	SAMVD University	UN02	SMVDU Guest House	Dedicated		0.12	0.12		0.00	0.10%
837	Batote	4.265	4.265	4.265	Jhajjar Kotli	JK01	Moori	Rural		4.265	1.836		56.968	56.968
838	Batote	12.385	12.385	12.385	Tara kote	TA05	PHE Dhansar	Rural		12.385	12.385		0.00	0.10%
839	Batote	4.127	4.127	4.127	*I.M.E*	UN05	I.M.E	Dedicated		4.127	4.127		0.00	0.10%
840	Batote	0.849	0.849	0.849	*I.M.E*	UN04	I.M.E Residential	Dedicated		0.849	0.849		0.00	0.10%
841	Batote	0.117	0.117	0.117	*I.M.E*	UN06	I.M.E Guest House	Dedicated		0.117	0.117		0.000	3.463
842	Batote	1.421	1.421	1.421	*Panthal*	PN04	Panthal	Rural		1.421	0.636		55.244	61.259
843	Batote	5.01	5.01	5.01		DB01	Dabbar	Urban		5.01	4.02		19.8079495	19.80794953
844	Batote	7.91	7.91	7.91		DB02	Sheetla Mandir	Urban		7.91	5.69		27.999575	27.99957504
845	Batote	5.75	5.75	5.75		DB03	Shiv Nagar	Urban		5.75	4.6		20.0312826	20.03128259

846	Batote	3.82	3.82	3.82		DB06	Gen. Colony	Urban		3.82	2.85		25.4645381	25.46453808		
847	Batote	8.44	8.44	8.44		DB04	Adarsh Colony	Urban		8.44	6.84		18.9855416	18.9855416		
848	Batote	11.59	11.59	11.59		DB05	Housing Colony	Urban		11.59	9.47		18.276981	26.46908486		
849	Batote	0.49	0.49	0.49	33/11 KV Devika R/Stn.	HF01	Hospital Dedicated	Urban		0.49	0.49		0.4048583	0.4048583		
850	Batote	4.63	4.63	4.63		PH01	Power House	Urban		4.63	3.36		27.4932498	27.49324981		
851	Batote	10.4	10.4	10.4	33/11 KV Jakhani	PE01	Jakhani PHE Dedicated	Dedicated		10.4	8.54		17.8859131	17.88591314		
852	Batote	3.67	3.67	3.67		TH01	Kalta + Thathi	Rural		3.67	2.41		34.3775538	34.3775538		
853	Batote	3.6	3.6	3.6	Neeli Nallaha	JF01	Jib	Rural		3.6	2.47		31.5233074	31.52330744		
854	Batote	8.89	8.89	8.89		RH01	Rehamble	Urban		8.89	6.72		24.4036904	43.73745067		
855	Batote	8.38	8.38	8.38		TK01	Tikri	Rural		8.38	5.92		29.399833	38.8614452		
856	Batote	1.72	1.72	1.72		RP01	Railway (Phalata) Dedicated	Dedicated		1.72	1.65		4.60369919	98.146796		
857	Batote	5.58	5.58	5.58	Phalata	KM01	Army K/Mata Dedicated	Dedicated		5.58	5.58		0.00	0.10%		
858	Batote	1.84	1.84	1.84	Panthal	SN01	Sundrani	Rural		1.84	1.13		38.8043478	38.80434783		
859	Batote	5.74	5.74	5.74		GR01	Garhi	Rural		5.74	4.29		25.2099669	25.20996689		
860	Batote	17.42	17.42	17.42		AD01	Army D/F Dedicated	Dedicated		17.42	17.42		0.00	0.10%		
861	Batote	0.65	0.65	0.65		RD01	Railway (D/Farm) Dedicated	Dedicated		0.65	0.65		0	67.42870753		
862	Batote	1.39	1.39	1.39		IT01	ITBP Dedicated	Dedicated		1.39	1.39		0	52.18647453		
863	Batote	9.84	9.84	9.84		SF01	Sansoo	Rural		9.84	7.3		25.7572677	34.34367523		
864	Batote	9.73	9.73	9.73	Dairy Farm	MB01	Manser	Rural		9.73	6.19		36.3856908	61.41826923		
865	Batote	4.13	4.13	4.13		MB03	Pancheri Lander	Rural		4.13	2.22		46.2615012	46.26150121		
866	Batote	6	6	6		MB02	Manser Back	Rural		6	4		33.1658291	33.16582915		
867	Batote	4.18	4.18	4.18	Pathi	MB04	Bhomag Moungry	Rural		4.18	2.35		43.8586424	43.85864237		
868	Batote	2.47	2.47	2.47		DD04	I KV Feeder No- 4 (Pandav Mandir Feede	Urban		2.47	1.52		38.5995626	38.59956259		
869	Batote	12.19	12.19	12.19		DD05	1 KV Feeder No- 5 (Forest Office Feeder	Urban		12.19	8.76		28.1086395	40.4271866		
870	Batote	7.88	7.88	7.88		DD06	1 KV Feeder No- 6 (Shakti Nagar Feeder	Urban		7.88	6.15		21.9280816	21.9280816		
871	Batote	2.73	2.73	2.73		PH01	Dedicated PHE	Dedicated		2.73	2.73		0.00	0.10%		
872	Batote	0.9	0.9	0.9		RW01	Dedicated Railway Feeder	Dedicated		0.9	0.9		0	27.80129818		
873	Batote	5.16	5.16	5.16		MS01	Dedicated MES	Dedicated		5.16	5.16		0	6.450419668		
874	Batote	5.88	5.88	5.88		AF01	33/11 KV Air Force Feeder	Dedicated		5.88	5.88		0	24.65262939		
875	Batote	5.09	5.09	5.09	3/11 KV R/Stn Dhar Roa	DD07	Sallian Talab	Urban		5.09	3.7		27.3931311	41.39292878		
876	Batote	1.03	1.03	1.03		BB01	Billan Bowli	Urban		1.03	0.8		22.5806703	22.58067027		
877	Batote	1.52	1.52	1.52	1 KV R/STN.CHERRY S	CK01	Cherry Sail Kawa	Urban		1.52	1.19		21.5931092	24.22673702		
878	Batote	9.18	9.18	9.18		ID02/IC02	Feeder No.II (Civil)	Rural		9.18	7.08		22.8559216	22.85592165		
879	Batote	2.21	2.21	2.21		ID01	Feeder No.I (IND)	Dedicated		2.21	2.04		7.81460669	7.814606691		
880	Batote	4.79	4.79	4.79		ID03	Feeder NO.III (IND)	Dedicated		4.79	4.46		6.93357009	6.933570089		
881	Batote	1.93	1.93	1.93		ID04	Feeder NO.IV (IND)	Dedicated		1.93	1.79		7.26261902	7.262619017		
882	Batote	0.73	0.73	0.73		ID05	Feeder NO.V (IND)	Dedicated		0.73	0.68		6.99817972	6.998179723		
883	Batote	1.82	1.82	1.82	IID Centre Battal Ballian		33 KV Uma Cement	Dedicated		1.82	1.69		7.03781264	7.037812641		
884	Batote	2.86	2.86	2.86		ID06	Feeder NO. VI (IND)	Dedicated		2.86	2.64		7.75682968	7.756829679		
885	Batote	1.08	1.08	1.08		PT01	Dedicated PTC	Dedicated		1.08	1.08		0	96.24289577		
886	Batote	4.49	4.49	4.49	Dairy Farm	DF01	Battal Ballian	Rural		4.49	2.99		33.3851004	33.38510042		
887	Batote	8.34	8.34	8.34		JG01	11KV Jaganoo Feeder	Rural		8.34	6.21		25.6242089	28.02707795		
888	Batote	5.62	5.62	5.62		TH01	11KV Thill Feeder	Rural		5.62	4.23		24.7378719	46.9943111		
889	Batote	2.99	2.99	2.99		ST01	11 KV Sattani Feeder	Rural		2.99	2.02		32.5301205	32.53012048		
890	Batote	3.59	3.59	3.59		BF01	Dedicated 11KV PHE/BSF Feeder	Dedicated		3.59	3.41		4.88302049	4.883020492		
891	Batote	6.67	6.67	6.67	33/11 KVA R/Stn sattan	MS02	MES Army Sattani Feeder	Dedicated		6.67	6.69		0	44.92913999		
892	Batote	5.79	5.79	5.79	Ramkot	MN01	Manwal-I	Rural		5.79	4.73		18.405797	51.07730498		
893	Batote	6.63	6.63	6.63		MJ01	Majalta	Rural		6.63	5.28		20.31172	64.1295482		
894	Batote	0.87	0.87	0.87		PH01	Dedicated PHE	Dedicated		0.87	0.76		12.9297117	12.92971166		
895	Batote	4.5	4.5	4.5		MN02	Manwal-II	Rural		4.5	3.52		21.6542116	46.8606441		
896	Batote	4.63	4.63	4.63		MW01	Mansar	Rural		4.63	3.66		20.9164302	42.51961816		
897	Batote	0.44	0.44	0.44	Battal	MS03	MES Army	Dedicated		0.44	0.34		22.2345093	22.23450926		
898	Batote	2.04	2.04	2.04		DM03/PD01	Pardai Feeder	Rural		2.04	1.3		36.506073	46.82094949		
899	Batote	0.85	0.85	0.85		DM02/KH01	Khoon Feeder	Rural		0.85	0.55		35.3263613	37.40855667		
900	Batote	0.97	0.97	0.97	Deima	DM01/TL01	Thial Feeder	Rural		0.97	0.65		32.7173091	32.71730911		
901	Batote	7.95	7.95	7.95		SF03	City	Urban		7.95	5.57		35.1006238	35.1006238		
902	Batote	0.27	0.27	0.27		SF05	PHE	Dedicated		0.27	0.27		49.6037811	49.60378106		
903	Batote	0.32	0.32	0.32		SF06	MES	Dedicated		0.32	0.32		53.3390455	53.33904553		
904	Batote	4.61	4.61	4.61		SF02	Kulwanta	Rural		4.61	2.71		53.6748974	53.67489743		
905	Batote	3.57	3.57	3.57	Ramnagar	SF01	Satyalta	Rural		3.57	2.19		50.4050805	50.40508048		
906	Batote	2.36	2.36	2.36		TF01	Ghordi	Rural		2.36	1.48		53.117097	53.11709696		
907	Batote	0.65	0.65	0.65		TF04	Beernu	Rural		0.65	0.4		30.3167797	30.31677966		
908	Batote	0.71	0.71	0.71		TF02	Serballa	Rural		0.71	0.47		58.3300974	58.33009745		
909	Batote	1.13	1.13	1.13	Tentha	TF03	Katwalt	Rural		1.13	0.73		47.5028887	47.50288865		
910	Batote	3.57	3.57	3.57	Ramnagar	SF04	Kuh	Rural		3.57	2.68		5.29511034	5.295110337		
911	Batote	2.98	2.98	2.98		KF02	Chanunta	Rural		2.98	1.9		45.0067538	45.0067538		

912	Batote	5.49	5.49	5.49		KF04	Pinger	Rural		5.49	3.64		33.70	0.10%
913	Batote	4.17	4.17	4.17	Johnu	KF03	Barmeen	Rural		4.17	2.28		45.32	0.10%
914	Batote	0.74	0.74	0.74		BF01	Basantgarh	Rural		0.74	0.42		29.97216425	29.97216425
915	Batote	0.61	0.61	0.61		BF04	Loudhra	Rural		0.61	0.36		0.05988024	0.05988024
916	Batote	0.28	0.28	0.28		BF02	Kothi	Rural		0.28	0.22		21.43	0.10%
917	Batote	0.79	0.79	0.79	Basantgarh	BF03	Gandhtop	Rural		0.79	0.47		41.1196078	41.11960775
918	Batote	0.44	0.44	0.44		MF02	Siamary	Rural		0.44	0.28		38.6828221	38.68282209
919	Batote	0.96	0.96	0.96	Majouri	MF01	Balota	Rural		0.96	0.56		37.0467208	37.04672075
920	Batote	0.76	0.76	0.76	GuraKalyal	GF01	Garh Samnabanj	Rural		0.76	0.49		37.2609235	37.26092346
921	Batote	4.07	4.07	4.07		NW04	Chenani	Urban		4.07	2.64		34.4407238	34.44072375
922	Batote	5.7	5.7	5.7		NW06	Samroli	Rural		5.7	2.87		35.9038103	37.30051278
923	Batote	3.55	3.55	3.55		NW03	Old Mantalai	Rural		3.55	1.66		24.8536368	24.85363683
924	Batote	0.16	0.16	0.16		NW01	New Mantlai	Rural		0.16	0.07		36.0305392	41.18748013
925	Batote	5.55	5.55	5.55	chenani	NW02	Kud	Rural		5.55	2.75		33.5931415	33.59314154
926	Batote	5.6	5.6	5.6		JS02	Dhuna dudu	Rural		5.6	2.63		45.3498025	48.51402063
927	Batote	0.87	0.87	0.87	Dhuna	JS01	Jig Sira	Rural		0.87	0.6		43.8909475	43.89094753
928	Batote	1.62	1.62	1.62		JB02	Pakhlai	Rural		1.62	0.67		40.53765	45.02540837
929	Batote	2.19	2.19	2.19	Jakhani	JB01	Jakhani Back	Rural		2.19	1.15		21.3016447	21.30164466
930	Batote	0.47	0.47	0.47		SM02	Bashat	Rural		0.47	0.44		41.0264916	41.02649157
931	Batote	3.06	3.06	3.06	Sudhmahadev	SM01	Mantlai	Rural		3.06	1.68		36.9204648	36.92046485
932	Batote	7.98	7.98	7.98	Leighton	CH02	ILFS	Dedicated		7.98	7.98		41.5944716	46.78670163
933	Batote	1.78	1.78	1.78	Gammon	GM01	Gammon	Dedicated		1.78	1.78		35.6368819	35.63688188
934	Kishtwar				2x10 MVA Doda		City-I Doda	Urban		14.288	9.975		44.87	56.4939981
935	Kishtwar				2x10 MVA Doda		City-II Doda	Urban		14.074	9.895		25.28	43.48077061
936	Kishtwar				2x10 MVA Doda		City-III Doda	Urban		1.928	1.383		62.54	62.53753754
937	Kishtwar				2x10 MVA Doda		Essential (Sattelite)	Urban		2.544	2.243		56.79	63.20671392
938	Kishtwar				6.3 MVA Behli Ghat		Bharat	Rural		9.934	6.59		64.10	75.76791884
939	Kishtwar				6.3 MVA Behli Ghat		Dashnan	Rural		2.721	1.877		4.30	67.89676104
940	Kishtwar				4.0 MVA Ganika		Sazan	Rural		2.449	1.699		49.69	60.08858945
941	Kishtwar				4.0 MVA Ganika		Bhagwah	Rural		5.443	3.796		41.93	41.92638194
942	Kishtwar				4.0 MVA Ganika		Kashtigarh	Rural		8.014	5.512		42.46	84.48016681
943	Kishtwar				2x10 MVA Doda		Koti	Rural		5.316	3.689		50.87	60.05718101
944	Kishtwar				5.0 MVA Premnagar		Mahalla	Rural		5.777	3.844		57.96	68.69439533
945	Kishtwar				5.0 MVA Premnagar		Premnagar	Rural		3.402	2.243		53.15	63.6851172
946	Kishtwar				5.0 MVA Premnagar		Jatheli (Gundna)	Rural		0.898	0.632		0.00	9.659174225
947	Kishtwar				3.15 MVA Dhara		Gundna	Rural		4.38	3.08		2.32	32.9226166
948	Kishtwar				3.15 MVA Dhara		Malwana	Rural		1.814	1.278		4.11	44.35961778
949	Kishtwar				3.15 MVA Dhara		Dhara	Rural		2.775	1.953		47.44	64.46340855
950	Kishtwar				2x10 MVA Doda		Assar (Khellani)	Rural		4.598	3.1		39.33	53.66166886
951	Kishtwar				3.15 MVA Marmat		Magota	Rural		6.944	4.187		4.03	64.43255739
952	Kishtwar				3.15 MVA Marmat		Prabal	Rural		3.012	2.072		10.51	0.714965986
953	Kishtwar				3.15 MVA Marmat		Hambal	Rural		2.947	1.996		0.05	0.217830372
954	Kishtwar				4.0 MVA Behli Ghat		Ghat	Rural		4.067	2.785		1.42	0.725399171
955	Kishtwar				4.0 MVA Behli Ghat		Bhabore	Rural		4.14	2.796		3.73	0.707560079
956	Kishtwar				2x10 MVA Doda		Shiva	Rural		4.284	2.833		0.52	0.368665588
957	Kishtwar				2x10 MVA Doda		Pul-Doda	Rural		1.861	1.246		0.62	0.815789474
958	Kishtwar				5.0 MVA Premnagar		Bhella	Rural		3.992	2.536		0.20	0.055096419
959	Kishtwar				5.0 MVA Premnagar		Chiralla	Rural		4.529	3.107		31.40	0.10%
960	Kishtwar				2 x 3.15 MVA Bhalla		Pranoo	Rural		7.646	5.276		0.10	0.808396804
961	Kishtwar				2 x 3.15 MVA Bhalla		Bhalla	Rural		6.18	4.377		0.02	0.089285714
962	Kishtwar				2 x 3.15 MVA Bhalla		Khellani	Rural		5.095	3.584		1.89	0.644861292
963	Kishtwar				2 x 3.15 MVA Bhalla		Tesana	Rural		0.855	0.581		1.67	0.597827208
964	Kishtwar				2 x 3.15 MVA Assar		Marsoo	Rural		0.939	0.661		29.61	0.10%
965	Kishtwar				2x10 MVA Doda		(J.N.V) Arnora	Rural		0.137	0.114		30.68	0.359866618
966	Kishtwar				2x10 MVA Doda		P.H.E	Rural		0.338	0.274		21.98	0.487070289
967	Kishtwar				2 x 10 MVA Gowari		City-I (Bhaderwah)	Urban		12.923	9.064		1.45	0.237039452
968	Kishtwar				2 x 10 MVA Gowari		City-II (Bhaderwah)	Urban		12.91	8.797		28.04	0.613997936
969	Kishtwar				2 x 10 MVA Gowari		Radio Stn. (Essential)	Urban		0.481	0.406		28.72	0.645524963
970	Kishtwar				2 x 10 MVA Gowari		Chinta	Rural		6.41	4.408		31.23	0.10%
971	Kishtwar				2 x 10 MVA Gowari		Power House	Rural		11.404	7.649		23.38	0.65786725
972	Kishtwar				2 x 10 MVA Gowari		Seri	Rural		5.99	4.068		12.45	0.646831234
973	Kishtwar				2 x 10 MVA Gowari		Jamia Masjid Shrine	Urban		0.101	0.085		15.84	0.10%
974	Kishtwar				6.3 MVA Dallain		Jai Road	Rural/Urban		2.01	1.379		49.39	0.670981484
975	Kishtwar				6.3 MVA Dallain		Manthala	Rural		1.514	1.028		32.10	0.10%
976	Kishtwar				6.3 MVA Dallain		Dhareja	Rural		6.38	4.353		11.97	0.558378356
977	Kishtwar				6.3 MVA Dallain		Vasuki Nag Temple Shrine	Urban		0.115	0.094		4.79	0.482164434

978	Kishtwar			3.15 MVA Sappa		Army	Rural		3.157	2.741		28.85	0.6255886	
979	Kishtwar			2 x 10 MVA Gowari		Hospital	Urban		0.16	0.112		30.00	0.10%	
980	Kishtwar			2 x 10 MVA Gowari		Industrial e-State	Rural		3.7	2.6		29.73	0.10%	
981	Kishtwar			2(10MVA) R/ Station Kishtwar		11KV City feeder-I	Urban		18.567	15.981		8.69	0.560254124	
982	Kishtwar			2(10MVA) R/ Station Kishtwar		11KV City feeder-II	Urban		16.309	14.494		14.46	0.616198175	
983	Kishtwar			2(10MVA) R/ Station Kishtwar		11KV City feeder-III	Mixed		11.394	9.904		12.36	0.637080912	
984	Kishtwar			2(10MVA) R/ Station Kishtwar		11KV Mandal feeder	Mixed		18.597	16.52		2.08	54.25	
985	Kishtwar			2(10MVA) R/ Station Kishtwar		11KV Hospital feeder	Dedicated for Hospital		2.179	1.982		0.20	75	
986	Kishtwar			2(10MVA) R/ Station Kishtwar		PHE Essential	Dedicated for PHE		1.896	1.876		0.02	61.25	
987	Kishtwar			2(10MVA) R/ Station Kishtwar		11KV Hasti feeder	Mixed		5.051	4.482		0.57	50.75	
988	Kishtwar			2(10MVA) R/ Station Kishtwar		11KV Shrine feeder	Mixed		1.071	0.962		0.11	41	
989	Kishtwar			2(10MVA) R/ Station Kishtwar		11KV Hidyal feeder	Mixed		1.28	1.156		0.12	41	
990	Kishtwar			3.15 MVA R/Station Sarthal		11KVA Mandir feeder	Rural		4.811	4.097		0.71	51.75	
991	Kishtwar			3.15 MVA R/Station Sarthal		11KV Kuntwara feeder	Rural		5.489	4.502		0.99	52.25	
992	Kishtwar			10.00 MVA R/ Station Mandal		11KV Poochal	Mixed		6.92	5.829		1.09	50	
993	Kishtwar			10.00 MVA R/ Station Mandal		11KV Cherhar	Rural		3.643	3.101		0.54	50.5	
994	Kishtwar			10.00 MVA R/ Station Mandal		11KV Hullar/Pohie Feeder	Rural		4.207	3.73		0.48	49.25	
995	Kishtwar			10.00 MVA R/ Station Mandal		11KV Workshop feeder	Dedicated for New DC		3.202	3.172		0.03	84.75	
996	Kishtwar			3.15 MVA R/Station Paddar		11KV Gulabgarh feeder	Rural		2.334	1.917		0.42	48.25	
997	Kishtwar			3.15 MVA R/Station Paddar		11KV Atholi feeder	Rural		3.672	2.402		1.27	51	
998	Kishtwar			3.15 MVA R/Station Paddar		11 kv Machail feeder	Rural		1.023	0.898		0.13	47.333	
999	Kishtwar			3.15 MVA R/Station Padyarna		11KV Dool Feeder	Rural		5.957	4.9		1.06	52.5	
1000	Kishtwar			3.15 MVA R/Station Padyarna		11KV Bhattan Feeder	Rural		0.454	0.386		0.07	43.25	
1001	Kishtwar			3.15 MVA R/Station Padyarna		11KV Ghalhar Feeder	Rural		2.176	1.864		0.31	50	
1002	Kishtwar			TLMD Udhampur		33 KV CVPPL	Bulk Dedicated		5.659	5.659		0.00	10	
1003	Kishtwar			TLMD Udhampur		33 KV NHPC	Bulk Dedicated		11.314	11.314		0.00	25.75	
1004	Kishtwar			10.00MVA R/Station Dadpeth		11KV Chatroo feeder	Rural		13.661	6.665		7.00	51.75	
1005	Kishtwar			10.00MVA R/Station Dadpeth		11KV Palmar feeder	Rural		6.798	4.177		2.62	53.5	
1006	Kishtwar			10.00MVA R/Station Dadpeth		11KV Thakrie feeder	Rural		5.196	2.861		2.34	55	
1007	Kishtwar			13 MVA R/Station Dadpeth		11KV Kurva-feeder	Rural		3.053	1.743		1.31	48.75	
1008	Kishtwar			3.15 MVA R/Station Ekhala Dachhan		11KV Dachhan Feeder	Rural		8.077	3.313		4.76	63.5	
1009	Kishtwar			10 MVA R/Station Thathri		11kv Ekhala Feeder	Rural		0.44	0.23		0.21	59.75	
1010	Kishtwar			10 MVA R/Station Thathri		11KV Thathri feeder	Mixed		9.172	6.235		2.94	54.5	
1011	Kishtwar			10 MVA R/Station Thathri		11KV Saroor feeder	Rural		6.613	2.813		3.80	65.25	
1012	Kishtwar			10 MVA R/Station Thathri		11KV Kahara Bunjwah feeder	Rural		14.125	7.135		6.99	59.75	
1013	Kishtwar			10 MVA R/Station Thathri		11KV Jangalwar feeder	Rural		5.811	3.339		2.47	66.75	
1014	Kishtwar			5.0 MVA R/Station Gandoh		11KV Rajpora feeder	Rural		4.953	3.423		1.53	51.75	
1015	Kishtwar			5.0 MVA R/Station Gandoh		11KV Dadkaie feeder	Rural		2.749	2.007		0.74	45.25	
1016	Kishtwar			5.0 MVA R/Station Gandoh		11KV Chancer & Shingani feeder	Rural		5.131	3.231		1.90	54.25	
1017	Kishtwar			6.30 MVA R/ Station Changa		11KV Soti feeder	Rural		5.462	3.452		2.01	65	
1018	Kishtwar			6.30 MVA R/ Station Changa		11 Changa feeder	Rural		3.27	2.055		1.22	61	
1019	Kishtwar			6.30 MVA R/ Station Changa		11KV Dhonsa feeder	Rural		4.039	2.277		1.76	65.75	
1020	Kishtwar			6.30 MVA R/ Station Batyas		11KV Bhatoli feeder	Rural		7.441	4.236		3.21	69.75	
1021	Kishtwar			6.30 MVA R/ Station Batyas		11KV Jakyas feeder	Rural		4.249	2.382		1.87	62.75	
1022	Kishtwar			6.30 MVA R/ Station Batyas		11KV Chanyas feeder	Rural		4.683	2.708		1.98	66.5	
1023	Rajouri			Thudi		Rajouri Town Lower Feeder	Mixed		17.0192	11.221		5.7982	0.340685814	
1024	Rajouri					Muradpur feeder	Mixed		6.748	4.5392		2.2088	0.873281404	
1025	Rajouri			Kheora		Rajouri Town Upper Feeder	Mixed		21.7667	14.5631		7.2036	0.890584179	
1026	Rajouri					Rajouri Town Upper Feeder	Mixed		0.4824	0.319		0.1634	0.8037724	
1027	Rajouri					Gurdan Lower BG Feeder	Mixed		9.7619	6.774		2.9879	0.907116104	
1028	Rajouri					PWD Feeder	Mixed		2.5273	2.0076		0.5197	0.896278272	
1029	Rajouri					11KV Hospital	Mixed		1.5928	1.3507		0.2421	0.632600342	
1030	Rajouri					Degree College	Mixed		0.4608	0.3859		0.0749	0.887805926	
1031	Rajouri			MES		MES	Mixed		2.7514	1.9462		0.8052	0.957656155	
1032	Rajouri			Manjakote		Manjakote A	Mixed		4.1446	2.7904		1.3542	0.875261716	
1033	Rajouri					Manjakote B	Mixed		4.9278	3.1584		1.7694	0.843630372	
1034	Rajouri					BG Top	Mixed		5.0496	3.0113		2.0383	0.874844456	
1035	Rajouri					Ghambir Mughlan	Mixed		4.0748	2.4953		1.5795	0.880045337	
1036	Rajouri					Manjakote Hospital	Mixed		1.4183	1.1623		0.256	0.906732318	
1037	Rajouri			Dhanwan		Chingus Feeder	Mixed		2.7549	1.8668		0.8881	0.881460994	
1038	Rajouri					Chingus Chatyar	Mixed		3.1959	2.0687		1.1272	0.872006822	
1039	Rajouri					Kallar-Keri Feeder	Mixed		2.2764	1.5157		0.7607	0.884389933	
1040	Rajouri					CBS/ARMY Feeder	Mixed		1.1457	0.902		0.2437	0.862381162	
1041	Rajouri					Agrati Feeder	Mixed		5.793	3.7498		2.0432	0.899954582	
1042	Rajouri			Doongi Keri		Challas	Mixed		0.2304	0.1355		0.0949	0.852514833	
1043	Rajouri					Shahpur Feeder	Mixed		1.8592	1.2332		0.626	0.886186563	

1044	Rajouri						THANDI KASI		Mixed		5.6067	3.8765		1.7302	0.922509494
1045	Rajouri						NYAIKA PANJGRAIN		Mixed		4.4141	3.0316		1.3825	0.920510685
1046	Rajouri				Ghambir Brahmana		MES(GM)		Mixed		1.4464	0.8627		0.5837	0.840716019
1047	Rajouri				33/11KV MES Rajouri		33KV MES Rajouri feeder		Mixed		4.551	2.8918		1.6592	0.884800737
1048	Rajouri				Thudi		Jawahar Nagar		Mixed		13.8345	9.3822299		4.4522701	0.906361857
1049	Rajouri				Thudi		Doordarshan/BSF		Mixed		3.6932	3.02717308		0.66602692	0.952231811
1050	Rajouri				Solki		Solki-Panar		Mixed		3.2765	2.33852294		0.93797706	0.942307607
1051	Rajouri				Solki		PHE		Mixed		0.3817	0.31449018		0.06720982	0.17608022
1052	Rajouri				Solki		Brevi-Asthama		Mixed		3.2838	2.35295176		0.93084824	0.944756755
1053	Rajouri				Thudi		Jail/GREF		Mixed		1.9416	1.6352748		0.3063252	0.864514703
1054	Rajouri				Thudi		Badhoon		Mixed		5.3348	3.83374915		1.50105085	0.935712461
1055	Rajouri				Dangri		Dhangri		Mixed		7.8609	5.73945007		2.12144993	0.933263157
1056	Rajouri				SARANOO		Shakti Floor mill		Mixed		0.6886	0.55985945		0.12874055	0.882200835
1057	Rajouri				Dhangri		Argi		Mixed		8.0246	5.7669756		2.2576244	0.948858716
1058	Rajouri				Kheora		Chowdhary Narh		Mixed		9.7661	7.17829975		2.58780025	0.920340651
1059	Rajouri				Kheora		Army good will school		Mixed		0.6944	0.55385275		0.14054725	0.961411123
1060	Rajouri				BGSBU		University		Mixed		1.0974	0.94379		0.15361	0.851015905
1061	Rajouri				Thanamandi		Thanamandi		Mixed		8.6599	5.7709491		2.8889509	0.953086971
1062	Rajouri				Thanamandi		Behrote		Mixed		11.7712	7.79177197		3.97942803	0.959948322
1063	Rajouri				Thanamandi		Shahdhara Sharief		Mixed		1.6362	1.17751335		0.45868665	0.940069519
1064	Rajouri				THANAMANDI		RAJDHANI		Mixed		7.7841	5.68027958		2.10382042	0.951388335
1065	Rajouri				Thanamandi		Azmatabad		Mixed		8.6828	6.21225625		2.47054375	0.953288971
1066	Rajouri				BHATTIAN		BADAKANA		Mixed		2.1101	1.5129557		0.5971443	0.936390076
1067	Rajouri				BHATTIAN		SAJ		Mixed		2.016	1.4358519		0.5801481	0.947796271
1068	Rajouri				BHATTIAN		PLANGAR		Mixed		2.5026	1.80268907		0.69991093	0.94132316
1069	Rajouri				BHATTIAN		BHATTIAN		Mixed		1.6934	1.21793995		0.47546005	0.920450728
1070	Rajouri				fatehpur		Saj-Bawli		Mixed		8.7827	6.46633607		2.31636393	0.951509924
1071	Rajouri				fatehpur		Fatehpur		Mixed		8.0413	5.85828056		2.18301944	0.956625619
1072	Rajouri				Darhal		Darhal Town		Mixed		7.5731	5.68260995		1.89049005	0.955238861
1073	Rajouri				Darhal		DODAJ		Mixed		5.1586	3.76611326		1.39248674	0.950106882
1074	Rajouri				Darhal		Rakiban		Mixed		4.484	3.3437119		1.1402881	0.954000416
1075	Rajouri						Jabbar		Mixed		1.8202	1.36393538		0.45626462	0.935726683
1076	Rajouri				Sial Sui		Sial Sui		Mixed		3.9387	2.8910887		1.0476113	0.94484652
1077	Rajouri				Sial Sui		Balli		Mixed		4.3401	3.1599909		1.1801091	0.936950583
1078	Rajouri				Kalakote		Kalakote Town		Mixed		4.9687	3.6134297		1.3552703	0.924830409
1079	Rajouri				Kalakote		TPS Coloney		Mixed		1.20465	0.95385883		0.25079117	0.937620362
1080	Rajouri				Kalakote		Air Force		Mixed		0.9645	0.7794947 2		0.18500528	0.81037008
1081	Rajouri				Kalakote		STERILITE TOWER		Mixed		4.3	3.6		0.7	0.174044027
1082	Rajouri				Kalakote		Beragoa Mine		Mixed		1.2259	1.00288425		0.22301575	0.874354249
1083	Rajouri				Kalakote		HOSPITAL		Mixed		0.5617	0.45987175		0.10182825	0.697520184
1084	Rajouri				Kalakote		PHE		Mixed		0.5322	0.42586076		0.10633924	0.199810673
1085	Rajouri						Beragoa		Mixed		1.1225	0.91619038		0.20630962	0.942698986
1086	Rajouri				Kalakote		Kalakote tatapani		Mixed		4.8924	3.573876872		1.31852313	0.914638754
1087	Rajouri				Moghla		Metka		Mixed		2.5241	1.780296332		0.74380367	0.94522704
1088	Rajouri				Moghla		Moughla Ghalan		Mixed		1.8385	0.9853914		0.8531086	0.843239661
1089	Rajouri				Moghla		PHE		Mixed		0.35232	0.28024866		0.07207134	0.341397494
1090	Rajouri				Treru		Treru 01		Mixed		2.1561	1.5818197		0.5742803	0.951751252
1091	Rajouri				Treru		Treru 02		Mixed		4.8083	3.46529495		1.34300505	0.958980719
1092	Rajouri						Treru 03		Mixed		1.9496	1.4926179		0.4569821	0.930605631
1093	Rajouri				10 MVA Nowshera City		Town-1 (Jhanger-Chowk)		Mixed		3.853	3.311		0.542	0.87989689
1094	Rajouri						SDH Nowshera		Mixed		0.652	0.5508		0.1012	0.695112872
1095	Rajouri						Deeing Sail		Mixed		5.536	4.152		1.384	0.919678433
1096	Rajouri						Jaba		Mixed		2.746	2.035		0.711	0.90630679
1097	Rajouri						Nonial-I		Mixed		2.67	1.9388		0.7312	0.910148722
1098	Rajouri						Nonial-II		Mixed		0.144	0.108		0.036	0.928532902
1099	Rajouri						Nonial-III		Mixed		0.129	0.096		0.033	0.900278468
1100	Rajouri						PHE		Mixed		3.254	2.5903		0.6637	0.491708487
1101	Rajouri						AIR		Mixed		0.912	0.748		0.164	0.266899804
1102	Rajouri						Town-2(Bus-Stand)		Mixed		4.049	2.927		1.122	0.913594871
1103	Rajouri				2X2.5MVA LIS Rajal		L.I.S. Rajal		Mixed		3.732	3.025		0.707	0.90508486
1104	Rajouri				6.3MVA Rajal		Bagnoti		Mixed		4.96	3.835		1.125	0.866764211
1105	Rajouri						Narian		Mixed		3.804	3.092		0.712	0.935717895
1106	Rajouri				6.3MVA Chowki-Hundan		Chowki		Mixed		5.196	3.794		1.402	0.937965724
1107	Rajouri				6.3MVA Chowki-Hundan		Jhanger		Mixed		5.3	3.673		1.627	0.948223118
1108	Rajouri				6.3MVA Siot		Siot Lamberi		Mixed		5.734	4.049		1.685	0.928765057
1109	Rajouri				2.5MVA Kangri		Kangri		Mixed		4.0302	2.8835		1.1467	0.926491398

1110	Rajouri					DD NSR		Mixed		1.1708	0.9838		0.187	0.793379268		
1111	Rajouri				3.15MVA Qila Darhal	Qila Darhal		Mixed		1.218	0.99		0.228	0.924195323		
1112	Rajouri					Rajpur		Mixed		2.379	1.764		0.615	0.944400233		
1113	Rajouri				2X3.15MVA MES Nowshera	MES		Mixed		4.166	3.51		0.656	0.68944219		
1114	Rajouri				6.3 MVA Laroka	Lam		Mixed		5.391	4.446		0.945	0.92522597		
1115	Rajouri				SUNDERBANI	SUNDERBANI		Mixed		7.711	3.9973		3.7137	0.903676251		
1116	Rajouri					THANDAPANI		Mixed		6.6578	2.8352		3.8226	0.902340987		
1117	Rajouri					POUNI		Mixed		7.9372	4.0029		3.9343	0.887467958		
1118	Rajouri					SDH		Mixed		1.9158	0.7652		1.1506	0.65524808		
1119	Rajouri					BSF		Mixed		1.3588	1.017		0.3418	0.718773132		
1120	Rajouri				MARCHOLA	MARCHOLA		Mixed		3.3624	2.0418		1.3206	0.923656011		
1121	Rajouri					HATHAL		Mixed		4.1795	2.4209		1.7586	0.914826993		
1122	Rajouri					33KV MES		Mixed		2.9735	1.5641		1.4094	0.842681551		
1123	Rajouri				KANGRI	KANGRI		Mixed		1.8168	1.0599		0.7569	0.90520514		
1124	Rajouri					BAJABAIN		Mixed		5.0312	2.8008		2.2304	0.90738761		
1125	Rajouri					PHE		Mixed		4.4	3.8		6	0.6690203		
1126	Rajouri				PHALL	BANPURI		Mixed		5.8411	2.7115		3.1296	0.924928524		
1127	Rajouri					CRPF		Mixed		0.741	0.5014		0.2396	0.789191987		
1128	Rajouri					MALLAH		Mixed		2.5639	1.268		1.2959	0.885874334		
1129	Rajouri				SIOT	BAL SIOT		Mixed		5.419	2.6676		2.7514	0.902969057		
1130	Rajouri				JULLA	MEENKA/KERI		Mixed		1.5437	1.1124		0.4313	0.782363141		
1131	Rajouri				6.3 + 10 MVA THUDI	Khandly		Mixed		4.4667	2.705223774		1.76147623	0.919382938		
1132	Rajouri					Palma Army + Radio Stn		Mixed		2.814	1.906816137		0.90718386	0.770857916		
1133	Rajouri				3.15 MVA PALMA	Kotedhara		Mixed		3.656	2.293679376		1.36232062	0.887443968		
1134	Rajouri					Palma Mehra		Mixed		4.306	2.5644037		1.7415963	0.903805483		
1135	Rajouri					Tralla		Mixed		3.454	1.989452926		1.46454707	0.910431693		
1136	Rajouri					Palma Army		Mixed		0.084	0.0544236		0.0295764	0.522653722		
1137	Rajouri				6.3MVA KOTERANKA	Kotranka		Mixed		5.556	3.694544		1.861456	0.905926943		
1138	Rajouri					Kandi		Mixed		4.821	3.09970004		1.72129996	0.921299009		
1139	Rajouri					Samote		Mixed		6.384	4.222540459		2.16145954	0.941743771		
1140	Rajouri				3.15 MVA BUDHAL	Budhal Army		Mixed		1.562	0.764975604		0.7970244	0.885695461		
1141	Rajouri					Budhal Town		Mixed		4.825	2.820639198		2.0043608	0.925921827		
1142	Rajouri					Kewal		Mixed		3.367	1.837833288		1.52916671	0.898241355		
1143	Rajouri				3.15 MVA KANDI PRORI	Panihad		Mixed		3.465	2.135566092		1.32943391	0.909833424		
1144	Rajouri					Prori		Mixed		7.457	4.389542467		3.06745753	0.937061157		
1145	Rajouri				Kamsar	Hospital		Mixed		2.06	1.44		0.62	0.435399552		
1146	Rajouri				Kamsar	City-I		Mixed		7.78	7.16		0.62	0.125251343		
1147	Rajouri				Kamsar	City-II		Mixed		6.46	5.84		0.62	0.150487097		
1148	Rajouri				Kamsar	PHE		Mixed		3.048	2.428		0.62	0.304245988		
1149	Rajouri				Kamsar	Shahpur		Mixed		2.528	1.908		0.62	0.359608746		
1150	Rajouri				Haveli	Natu Mes		Mixed		3.46	2.84		0.62	0.272634427		
1151	Rajouri				Haveli	Haveli-I		Mixed		5.528	4.908		0.62	0.17485358		
1152	Rajouri				Haveli	Haveli-II		Mixed		5.568	4.948		0.62	0.17306234		
1153	Rajouri				Haveli	DC Office		Mixed		2.328	1.708		0.62	0.38860252		
1154	Rajouri				Haveli	MES		Mixed		1.82	1.2		0.62	0.486531168		
1155	Rajouri				Gulpur	Gulpur		Mixed		2.928	2.308		0.62	0.315465919		
1156	Rajouri				Gulpur	Chakan-Da-Bagh		Mixed		1.848	1.228		0.62	0.480181289		
1157	Rajouri				Gulpur	Ajote		Mixed		1.928	1.308		0.62	0.452042771		
1158	Rajouri				Gulpur	MES		Mixed		1.648	1.028		0.62	0.529372698		
1159	Rajouri				Jhullas	Jhullas		Mixed		3.368	2.748		0.62	0.27957218		
1160	Rajouri				Jhullas	Mangnar		Mixed		3.488	2.868		0.62	0.266166025		
1161	Rajouri				Jhullas	KG		Mixed		1.488	0.868		0.62	0.566239316		
1162	Rajouri				Jhullas	MES		Mixed		1.808	1.188		0.62	0.489302382		
1163	Rajouri				Jhullas	PHE		Mixed		2.008	1.388		0.62	0.446769065		
1164	Rajouri				Bandichechian	Bandichechina		Mixed		4.488	3.868		0.62	0.212443912		
1165	Rajouri				Bandichechian	Islamabad		Mixed		4.448	3.828		0.62	0.215194591		
1166	Rajouri				KG	KG Top		Mixed		1.968	1.348		0.62	0.446763602		
1167	Rajouri				KG	MES		Mixed		1.648	1.028		0.62	0.529372698		
1168	Rajouri				Chandak	Hari Budha		Mixed		7.728	7.108		0.62	0.125761023		
1169	Rajouri				Chandak	Chandak		Mixed		6.128	5.508		0.62	0.158349192		
1170	Rajouri				Chandak	Dingla		Mixed		4.408	3.788		0.62	0.216701733		
1171	Rajouri				Mandi	Mandi		Mixed		3.408	2.788		0.62	0.276513163		
1172	Rajouri				Mandi	Sawjian		Mixed		3.328	2.708		0.62	0.28091458		
1173	Rajouri				Mandi	Sathra		Mixed		5.328	4.708		0.62	0.181145091		
1174	Rajouri				Mandi	BSF		Mixed		4.808	4.188		0.62	0.198082561		
1175	Rajouri				Mandi	MES		Mixed		1.208	0.588		0.62	0.679441075		

P-3

1176	Rajouri				Sawjian		Bedar		Mixed		3.648	3.028		0.62	0.259469972	
1177	Rajouri				Sawjian		Gagrian		Mixed		3.328	2.708		0.62	0.28091458	
1178	Rajouri				Loran		Loran		Mixed		3.768	3.148		0.62	0.251708251	
1179	Rajouri				Loran		Plera		Mixed		3.808	3.188		0.62	0.247379255	
1180	Rajouri				Lassana		Lassana		Mixed		7.888	7.268		0.62	0.123996704	
1181	Rajouri				Lassana		Marhote		Mixed		8.208	7.588		0.62	0.118938125	
1182	Rajouri				Buffliaz		Chandimarh		Mixed		4.648	4.028		0.62	0.206381853	
1183	Rajouri				Buffliaz		Fazalabad		Mixed		3.568	2.948		0.62	0.262609094	
1184	Rajouri				Buffliaz		Buffliaz		Mixed		3.928	3.308		0.62	0.24205029	
1185	Rajouri				Potha		City-I		Mixed		7.7	7.08		0.62	0.126493506	
1186	Rajouri				Potha		City-II		Mixed		3.78	3.16		0.62	0.250957399	
1187	Rajouri				Potha		Sangla		Mixed		5.94	5.32		0.62	0.163175876	
1188	Rajouri				Potha		MES PHE		Mixed		4.46	3.84		0.62	0.213881848	
1189	Rajouri				Potha		Potha		Mixed		4.74	4.12		0.62	0.131662849	
1190	Rajouri				JWG-I		Gursai		Mixed		3.5	2.88		0.62	0.266583851	
1191	Rajouri				JWG-I		Naka Manjari		Mixed		3.14	2.52		0.62	0.298376245	
1192	Rajouri				Phamanar		Phamanar		Mixed		2.048	1.428		0.62	0.436823918	
1193	Rajouri				Phamanar		Harni		Mixed		4.648	4.028		0.62	0.133390706	
1194	Rajouri				Dhargloon		Dhargloon		Mixed		3.688	3.068		0.62	0.252999247	
1195	Rajouri				Dhargloon		Balakote		Mixed		3.048	2.428		0.62	0.306693363	
1196	Rajouri				Doordarshan		Doordarshan		Mixed		2.488	1.868		0.62	0.369194201	
1197	Rajouri				Mendhar		Mendhar		Mixed		6.648	6.028		0.62	0.145673783	
1198	Rajouri				Mendhar		Dharana		Mixed		5.768	4.85		0.918	0.159754128	
1199	Rajouri				Mendhar		Ari Harni		Mixed		5.768	4.9		0.868	0.150485437	
1200	Rajouri				Mendhar		Kotan		Mixed		3.048	2.428		0.62	0.306693363	
1201	Rajouri				Mendhar		Hospital		Mixed		1.368	0.748		0.62	0.609440267	
1202	Rajouri				Mankote		Sakhi Maidan		Mixed		6.128	4.51		1.618	0.320103275	
1203	Rajouri				Mankote		Ucchad		Mixed		4.49	3.87		0.62	0.212387681	
1204	Rajouri				Mankote		Kalaban		Mixed		3.648	3.028		0.62	0.259469972	
1205	Rajouri				Mankote		Salwah		Mixed		3.5	2.88		0.62	0.177142857	
1206	Rajouri				JWG-II		Bhatta Dhurain		Mixed		4.528	3.85		0.678	0.223033691	
1207	Rajouri				JWG-II		Nar		Mixed		3.62	3		0.62	0.261349988	
1208	Rajouri				JWG-II		Sanjot		Mixed		2.78	2.16		0.62	0.330935252	
1209	Rajouri				Harni		Kangra		Mixed		2.7	2.08		0.62	0.230534883	
1210	Rajouri				Harni		Ghulata		Mixed		2.22	1.6		0.62	0.279279279	

Chief Engineer
Distribution, JPDCL
Jammu