PUNJAB STATE POWER CORPORATION LTD

ENERGY AUDIT REPORT FY 2023-24

PSPCL
PUNJAB STATE POWER CORPORATION LTD.

Preapred by:

Namdhari Eco Energies Pvt Ltd

Greater Noida UP

Annual Energy Audit for Punjab State Power Corporation Ltd as per Bureau of Energy Efficiency (Manner and Intervals for Conduct of Energy Audit in electricity distribution companies) Regulations, 2021 Notified on 06.10.2021

PSPCL
PUNJAB STATE POWER CORPORATION LTD.

Punjab State Power Corporation Ltd

PSEB Head Office, The Mall, Baradari, Patiala, Punjab 147001

Prepared for

Bureau of Energy Efficiency
Ministry of Power, Government of India

Prepared By:

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NAMDHARI ECO ENERGIES PVT LTD

ENERGY FOR BETTER FUTURE

BEE ACCREDITED ENERGY AUDIT FIRM & ESCO

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Audit Team

Namdhari Eco Energies Pvt Ltd

(Mr. Bali Singh)

Accredited Energy Auditor

Acknowledgement

We extend our heartfelt gratitude to **Punjab State Power Corporation Limited** for their invaluable support in facilitating the verification study. The energy audit field visits and data verification process have been accomplished within the designated timeframe. We sincerely appreciate their cooperation throughout the verification process and their willingness to provide the necessary data for this study.

Special thanks are due to the following officers, whose contributions were instrumental in the success of this undertaking:

Er. Inderpal Singh CE/EA & Enforcement, PSPCL, Patiala
Er. Saleem Mohammad - (Dy. CE- DSM)
Er. Harpreet Raj Singh Sandhu-(ASE-DSM)
Er. Ravi Verma - (ASE & Energy Manager)
Er. Bhupinder Singh (AEE)
Er. Bikram Sharma (AE)

We are also thankful to all the supporting staff members who extended their full cooperation and support. Their keen interest and valuable inputs during the study greatly enriched the outcome.

Once again, we express our profound appreciation to Punjab State Power Corporation Limited and its dedicated team for their collaborative efforts, which significantly contributed to the success of this intricate verification study.

Audit Team

The annual energy audit project was successfully undertaken by a team of dedicated professionals from Namdhari Eco Energies Pvt Ltd. Services Ltd., who were awarded the contract for this work by Punjab State Power Corporation Limited vide Work Order: 001/DSM dated 22nd April 2024. The team members involved in this project played vital roles in ensuring its successful execution. The Audit was started on 6th June 2024 and was completed on 15th June2024. The team members representing Namdhari Eco Energies Pvt Ltd. Services Ltd. were as follows:

Team Member	Designation
BALI SINGH	ACCREDITED ENERGY AUDITOR – AEA-206
NEERAJ GAUR	CERTIFIED ENERGY AUDITOR (EA 28449) & DISOCM SECTOR EXPERT-
ASHISH KUMAR GUPTA	ENERGY CONSULTANT
BUNTY PHUTELA	ENREGY ENGINEER

Each member of the team contributed their expertise and skills to conduct a comprehensive and meticulous energy audit, which proved essential in the verification study.

We are sincerely thankful to the entire team for their dedication, professionalism, and commitment to delivering high-quality results, meeting the objectives of the project, and working collaboratively with Punjab State Power Corporation Limited to achieve the desired outcomes. Their efforts were instrumental in the successful completion of the annual energy audit.

Audit Team

Namdhari Eco Energies Pvt Ltd

(Mr. Bali Singh)

Accredited Energy Auditor

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 Kilometre
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 Unit
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

Executive Summary

Punjab State Power Corporation limited (PSPCL), Headquartered at The Mall, Patiala after unbundling of PSEB, came into existence in 2010. It bears the responsibility of generation and distribution of power to various categories of consumers. The coordinating agency, BEE, has framed regulation in exercise of power conferred upon under clause (g) and (n) of section 14 of the energy conservation act 2001 (Amended in 2010) for the designated consumers.

PSPCL has awarded the work of Annual Energy Accounting Audit for FY 2023-24 vide work order number 001/DSM Dated 22.04.2024 to M/S Namdhari Eco Energies Private Limited.

The objective of Annual Energy Accounting is to conduct energy audit to know

a) Losses of power in distribution network of various voltages

b) Assess the metering status (Functional, Non-functional and Unmetered)

c) Types of meters connected

d) Monitoring mechanism of system 66 KV to 0.415 KV network and consumers connected at different voltages of various categories

e) Calculation of billing efficiency and collection efficiency

The connected load of all categories is 44814.44 MW, which consumes annual input energy (At DISCOM Periphery) 66886.39 MU. The actual sold power stands to be 59711.85 MU to the consumers. The billing efficiency stands to be 100%. The T & D losses are 10.73 %. The category-wise load calculation &percentage and energy consumption along with percentage are mentioned below.

Consumer category	Total Number of connections (Nos)	% of number of connections	Total Connected Load (MW)	% of connected load	Total energy (MU)	% of energy consumption
Residential	7928684	73.81%	15855.99	35.38%	17905.91	29.99%
Agricultural	1391233	12.95%	11233.35	25.07%	12797.33	21.43%
Commercial/Industrial-LT	1404094	13.07%	8616.33	19.23%	8179.36	13.70%
Commercial/Industrial-HT	11522	0.11%	8648.94	19.30%	19151.00	32.07%
Others	6369	0.06%	459.83	1.03%	1678.26	2.81%
Total	10741902	100.00%	44814.44	100.00%	59711.85	100.00%

Note: -418.69 MU includes Theft Units, Short Assessment Unbilled revenue (eq units) and 776.005 MU of sale from Temporary Supply, Night Supply and Non operation Sale.

Energy Supply Overview:

The energy supplied by PSPCL can be categorized into subsidized and non-subsidized energy. Agricultural energy is 100% subsidized, and the realization of subsidy bills from the government is also 100%. Subsidized energy accounts for 43.25% of the total energy billed, while non-subsidized energy constitutes 56.75%.

Collection Efficiency:

PSPCL boasts of a collection efficiency of 100%, despite the actual collection efficiency being higher, which is restricted to 100% as per PFC guidelines. The AT&C losses are calculated to be 10.73%.

Metering and Network Issues:

- About 99.38% of agricultural consumers are not metered due to application of flat rate billing. Currently upto 8 hours of supply is provided to AP consumers.

Theft and Loss Assessment:

The Border Zone has been identified as the most theft-prone area, requiring special attention to manage the energy pilferage.

Regulatory Commission Approvals for FY 2023-24:

- **Energy Purchase:** Approved cost is Rs 4.83 per unit (Tariff order: FY: 2023-24, Page-164), while the sale price is Rs 7.04 per unit (Tariff order: FY: 2023-24, Page-257).
- **Energy Sales:** Approved quantity is 59211 MU and while actual sale is 60677.41609 MU (Tariff order: FY: 2023-24, Page-143) .
- **T&D Losses:** T&D loss is 10.73%, whereas A T & C loss are also 10.73%.
- **Power Purchase Cost:** Approved at Rs 27,446 crore (Including RE power & RECs but excluding intrastate transmission and SLDC charges).

Consumer Categories and 11 KV Feeders:

Consumers are broadly categorized as Residential, Agriculture, Commercial/Industrial LT, Commercial HT, and Others (Mixed Load). Connections, metering, load, losses, and collections are assessed at the Division level.

Solar Power and Net Metering:

Encouraging the use of solar power among agricultural consumers, who receive 8 hours of power supply daily, is necessary.

Data Collection and Monitoring:

- SAP functions at the apex level, collecting data from various consumer categories through AMR/SMART meters, communicable meters, non-communicable meters, and unmetered consumer assessments.
- The mixed mode of billing assessment and verification is challenging without 100% online monitoring and data acquisition through communicable meters at each system element's input and output.

Goals and Achievements:

- PSPCL aims to achieve 100% online monitoring of all parameters prescribed by BEE, positioning itself as a frontrunner among DISCOMs.
- The target for T&D loss in the PAT scheme for FY 2024-25 is 12.40%. In the base year 2018-19, T&D loss was 12.94%, with input energy at 54,037.64 MU.
- The source generation is 70,604.92 MU. Transmission loss at various KV lines is 1434.51+2284.023=3,718.529 MU (5.27%). Net input power at the 66 KV bus is 66,886.39 MU.
- The loss of power in the distribution network is 7,174.54 MU (10.73% of input energy at the 66 KV bus).
- Actual loss of EHT inter-state transmission lines is 1,434.51 MU (2.031%). Intra-state transmission loss under PSTCL & PSPCL jurisdiction is 2284.023 MU (3.23%). NOTE: D Losses 10.73% are calculated by Net input energy (At DISCOM Periphery after adjusting the transmission losses and energy traded) i.e 70604.92-1434.51-2284.023= 66886.39 MU basis.

Critical Comments

Based on physical inspection of datasheets and invoice history, no variation in the input energy billed vs reported in proforma and output energy sold vs reported in proforma was found.

After conducting a thorough analysis of the data sheets and invoice history, the auditor has provided the following recommendations for improving energy accounting and monitoring:

Sr. no	Comments by Auditor	Responses of PSPCL Management
1	Communicable Meters are available at 33kV as well as 11 kV, but the data of consumed units is manually fed to the system. There are good chance so manual errors. This data shall be automatically fetched from the software	Nearly 10 Lac 1-Φ smart meters, 1 Lac 3-Φ smart meters & 5000 LT CT smart meters have already been installed & further installation is under process. Under RDSS Scheme, purchase of HT smart meters to be installed on 12563 No. 11KV feeders and 184044 No. meters for DTs above 25 KVA on urban feeders is in process.
2	Installation of meters in un-metered agricultural connections. There are chances of power wastage due to un-metered connections.	As the supply to AP consumer is provided free of cost so installation of meters on AP connections is strongly opposed by various Kissan Unions.
3	Energy input, export and sale details not available at each voltage level	In PSPCL some of the sub division are under SAP and others are under Non-SAP. For resolution of this type of problem and overall automation tender for GIS mapping of consumers, feeders. DTs are under consideration. For all new assets GIS tagging can be made mandatory. Smart meters can be installed on Sub stations/feeders/DTs which is expected to be done under RDSS scheme. Agency has been hired to implement Single Billing Solution with estimated completion time by March, 2025.

Sr. no	Comments by Auditor	Responses of PSPCL Management
4	Installation of communicable meter outside the end user consumers premises (100% metering).	Now smart meters are being installed by PSPCL for electric connections given to new consumers and steps are also being taken for replacing old simple static meters with smart meters.
5	Assessed energy (in MU) has not been reported in accounting sheet for consumers having defective meters. Even no such data of defective consumers are presented in the accounting sheet	Already provided & Details has been sent to your vide this office email dated 24-06-2024.
6	Ensure Communicable Meters (AMR/SMART) at the input of DT (Receiving end of 11 KV Feeders).	Under RDSS Scheme 184044 No. meters for DTs above 25 KVA on urban feeders is in process.
7	Energy recording of meter should be time synchronized. This could be possible only with communicable meters, in which energy recording is time stamped by GPS clock inbuilt system. So manual recording and non-communicable meters may not be useful to prepare loss account of various feeders (66 KV, 33 KV & 11 KV) and DTs.	Smart meters can be installed on sub stations/feeders/DTs which is expected to be done under RDSS scheme.
8	Absence of communicable DT meters preventing PSPCL to identify the network where leakages, wastage is happening	Under RDSS Scheme 184044 No. meters for DTs above 25 KVA on urban feeders is in process.
9	10) In order to match the total consumption by end user consumers with DT, there must be tagging of consumers with feeding DTs. Again, DTs must be tagged with 11 KV feeders. 11 KV Feeders must be tagged with Power Transformers. Power Transformers must be tagged with 66KV sub Transmission lines. Each 66 KV lines must be tagged with Grid Sub Station. Such arrangements are required to comply the BEE norms of Network monitoring at various voltage levels and Feeder-wise.	Steps are being taken by PSPCL for tagging of all consumers. Tender for GIS mapping of consumers, feeders. DTs are under consideration. For all new assets GIS tagging can be made mandatory. Smart meters can be installed on Sub stations/feeders/DTs which is expected to be done under RDSS scheme. Agency has been hired to implement Single Billing Solution with estimated completion time by March, 2025.

Table 1: PSPCL Summary Table of FY 2023-24

Total Energy Requirement (in MU)	70604.92
Inter State transmission Losses (Inc. BBMB)	1434.51
Net Availability for PSPCL	69170.410
Intra state losses State Losses	2284.023
Input Pumped	66886.39
Embedded (Roof top Solar)	98.475
Input Energy As per CCR (Inc. Embedded)	66886.39
SALE	59711.85
T&D loss	10893.07
D loss	7174.54
T&D loss (%)	15.43%
D loss (%)	10.73%
AT &C Losses as per Division wise losses/summary Sheet	
Total Energy Requirement	70604.92
Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	66886.39
Total Energy billed (is the Net energy billed, adjusted for energy traded))	59711.85
D losses	7174.54
D loss (%)	10.73%
Billed Amount in Rs. Crore	41118.70
Collected Amount in Rs. Crore	41119.53
Collection Efficiency	100.00%
AT & C loss (%)	10.73%

The total energy requirement is 70,604.92 MU, with net availability for PSPCL at 69,170.41 MU. The T&D loss stands at 15.43%, while D loss is 10.73%. The AT&C loss is 10.73%, matching the division-wise summary. Collection efficiency is reported at 100%, with negligible discrepancies in collected and billed amounts.

1 Background

Regulations of BEE for DISCOMs

In 2008, Government of India announced 'National Action Plan on Climate Change (NAPCC), identifying eight missions to promote inclusive growth in the country. The National Mission for Enhanced Energy Efficiency (NMEEE) is one of the eight identified missions under.

The Bureau of Energy Efficiency (BEE) has issued the regulations namely (Manner and Intervals for Conduct of Energy Audit (Accounting) in Electricity Distribution Companies) published vide notification No.18/1/BEE/DISCOM/2021, dated the 6th of October 2021 in the Gazette of India, Extraordinary, Part III, Section 4). These regulations apply to all electricity distribution companies specified as designated consumer and subsequent amendment thereof. The extant regulations specify the following key aspects related to energy accounting and audit for electricity distribution companies.

i. Intervals of time for conduct of periodic energy accounting and annual energy audit and report submission thereof.
ii. Pre-requisites for annual energy audit and periodic energy accounting
iii. Reporting requirements for annual energy audit and periodic energy accounting,
iv. Manner of annual energy audit and periodic energy accounting
v. Prioritization and preparation of action plan and
vi. Structure of annual energy audit report

These regulations have been issued under the ambit of Energy Conservation Act, 2001, with an overall objective to reduce inefficiencies and losses in distribution sector thereby ensuring financial and economic viability of DISCOMs.

Under the above-mentioned regulation, every electricity distribution company shall conduct an annual energy audit for every financial year and submit 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.

Purpose of Audit and Accounting Report

The development of a comprehensive energy accounting system serves several important purposes in quantifying and determining actual losses in the power distribution system, which are segregated into technical and commercial losses. The key objectives of such a system are as follows:

1. **Identifying Losses**: The energy accounting system helps in identifying and quantifying losses occurring in the distribution system, distinguishing between technical losses (due to energy dissipation during transmission and distribution) and commercial losses (resulting from inefficient billing, theft, pilferage, etc.).

2. **Address Inefficiencies**: By identifying areas of leakage, theft, wastage, or inefficient use of electricity, the system provides insights for tackling the challenges of high Transmission and Distribution (T&D) losses and Aggregate Technical & Commercial (AT&C) losses. This enables utilities to take corrective actions and improve overall efficiency.

3. **Independent Energy Audit:** The system facilitates an independent 3rd party energy audit of the distribution network, providing an unbiased assessment of T&D losses and AT&C losses. This ensures a transparent and accurate representation of the distribution system's performance.

4. **Targeted Efficiency Improvements:** With a clear understanding of the losses in different areas or customer segments, distribution utilities can undertake targeted efficiency improvement activities. This allows them to focus their efforts and resources on priority areas to reduce losses effectively.

5. **Informed Capital Investments:** The data obtained from the energy accounting system provides a basis for prioritizing energy capital investments. Utilities can use this information to allocate their budgets more accurately, maximizing the impact of investments in reducing losses and enhancing overall performance.

6. **Capacity Planning:** The system aids in identifying overloaded segments of the distribution network, enabling utilities to make necessary capacity additions strategically. This helps ensure the network operates optimally and can handle future load demands efficiently.

Overall, a comprehensive energy accounting system plays a crucial role in improving the distribution system's efficiency, reducing losses, and optimizing investments, ultimately contributing to a more reliable and cost-effective power distribution network.

Period of Annual Energy Auditing and Accounting

The period of Annual Energy Audit in this report covers FY 2023-24, starting from 1st April 2023 until 31st March 2024. The comprehensive energy audit site inspection and data verification took place from 6thJune 2024to8thJune 2024. A detailed account of day-to-day activities during this period is provided in the table below.

Table 2: Period of Energy Audit and Activity

Date & Time (IST)	Activity	Description of Work
6-June-24 (10:00 AM – 12:00 PM)	Opening Meeting	The team met with site engineers and officers to discuss the audit's scope, timetable, and verification approach, seeking necessary site support.
6-June-24 (13:00 PM – 15:00 PM)	Site Inspection Planning	Team composition and responsibilities were defined for site inspection. Discussions included internal coordination, obtaining approvals, permits from DISCOM, and initiating necessary actions.
6-June-24 (15:00 PM – 17:30 PM)	Data Verification at PSPCL Head office	Data verification was carried out at PSPCL Head Office.
07-June-24 (10:00 AM - 12:00 PM)	Data Verification at Division Billing Section	Data verification was carried out at Division Billing Section
07-June-24 (13:00 PM - 15:00 PM)	Feedback by AEA and Sector Expert	The draft report was reviewed, and necessary revisions were made for finalization.
07-June-24 (15:00 PM - 17:30 PM)	Closing Meeting and Plan for Site visit	The audit team conducted an exit meeting with PSPCL officials. The PSPCL and AEA team randomly selected the Substation for physical data verification.
8-June-24 (10:00 AM - 13:30 PM)	Substation visit and metering cross verification	A visit to the 66/11 KV substation Thapar was conducted, synchronizing clocks to measure power for a specific time to determine transmission loss and meter accuracy.
8-June-24 (14:00 PM - 16:30 PM)	Site inspection and observation	Visits to various level feeders were made to observe recording and monitoring practices. Specific site documents such as calibration records, meter replacement records, etc., were assessed.
8-June-24 (16:30 PM - 17:30 PM)	Data analysis and preliminary report preparation	The team analysed the data collected and prepared a preliminary report.

2 Introduction

PSPCL

PUNJAB STATE POWER CORPORATION LIMITED

2.1 General Details

Table 3: General Details of PSPCL

General Information of PSPCL				
1	Name of the DISCOM	Punjab State Power Corporation Limited (PSPCL)		
2	i) Year of Establishment	2010		
	ii) Government/Public/Private	Government		
3	DISCOM's Contact details & Address			
i	City/Town/Village	Patiala		
ii	District	Patiala		
iii	State	Punjab	Pin	147001
iv	Telephone	0175-2212005	Fax	0175-2213199
4	Registered Office			
i	Company's Chief Executive Name	Er. Baldev Singh Sran		
ii	Designation	CMD PSPCL		
iii	Address	The Mall, Patiala		
iv	City/Town/Village	Patiala	P.O.	Patiala
v	District	Patiala		
vi	State	Punjab	Pin	147001
vii	Telephone	0175-2212005	Fax	0175-2213199
5	Nodal Officer Details*			
i	Nodal Officer Name (Designated at DISCOM's)	Er. Inderpal Singh		
ii	Designation	Chief Engineer (Energy Audit & Enforcement)		
iii	Address	Shed No. B2, Shakti Vihar, Patiala		
iv	City/Town/Village	Patiala	P.O.	Patiala
v	District	Patiala		
vi	State	Punjab	Pin	147001
vii	Telephone	0175-2215774	Fax	0175-2215774
6	Energy Manager Details*			
i	Name	Er. Ravi Verma		
ii	Designation	ASE	Whether EA or EM	EA
iii	EA/EM Registration No.	EA-7969		
iv	Telephone			Fax
v	Mobile	96461 18860	E-mail ID	ivarverma76@gmail.com
7	Period of Information			
	Year of (FY) information including Date and Month (Start & End)	1 April 2023 - 31 March 2024		

2.2 Name and Details of Energy Manager and Authorized Signatory of DISCOM

Table 4: Name and Details of Authorized Persons of DISCOM

Sr.no.	Member of ECA	Name	Designation
1.	Nodal Officer	Er. Saleem Mohammad	(Dy.CE/DSM)
2.	Energy Manager	Er.Ravi Verma	(ASE & Energy Manager)
3.	ASE	Er. Harpreet Raj Singh Sandhu	ASE/DSM
4.	AEE	Er. Bhupinder Singh	(AEE)
5.	AE	Er. Bikarm Sharma	(AE)

2.3 About Punjab State Power Corporation Limited (PSPCL)

Overview:

Punjab State Power Corporation Limited (PSPCL) is the premier power generation and distribution company in the state of Punjab, India. Established in 2010, PSPCL was formed after the unbundling of the erstwhile Punjab State Electricity Board (PSEB) to ensure better management and efficient power supply across the state. PSPCL is a state-owned enterprise that plays a pivotal role in the economic and social development of Punjab by providing reliable and affordable electricity to millions of consumers.

Vision and Mission:

- **Vision:** To be a frontrunner in the power sector by delivering sustainable, reliable, and efficient energy solutions that contribute to the overall progress of Punjab.
- **Mission:** To generate, transmit, and distribute electricity with the highest standards of quality, efficiency, and environmental responsibility. PSPCL is committed to customer satisfaction, continuous improvement, and innovation in all its operations.

Key Functions:

- **Power Generation:** PSPCL operates a diverse mix of power plants, including thermal, hydro, and renewable energy sources. The corporation is continually expanding its capacity to meet the growing energy demands of the state.
- **Power Distribution:** Responsible for the distribution of electricity to residential, commercial, and industrial consumers across Punjab. PSPCL ensures equitable distribution and aims to minimize power outages and losses.
- **Customer Service:** PSPCL prioritizes consumer satisfaction by offering a range of services such as online bill payment, new connections, and efficient grievance redressal mechanisms.

Achievements:

- **Infrastructure Development:** PSPCL has significantly improved the power infrastructure in Punjab, ensuring widespread electrification and enhancing the quality of power supply.
- **Renewable Energy Initiatives:** The corporation has made substantial investments in renewable energy projects, including solar and biomass, to promote sustainable energy practices.
- **Operational Efficiency:** Through the adoption of advanced technologies and smart grid systems, PSPCL has improved operational efficiency, reduced transmission and distribution losses, and ensured better load management.

Corporate Social Responsibility (CSR): PSPCL is dedicated to contributing to the community and the environment through various CSR initiatives. These include rural electrification projects, energy conservation programs, and support for educational and health facilities in underserved areas.

Leadership and Workforce: PSPCL is guided by a visionary leadership team and supported by a skilled and dedicated workforce. The corporation values the continuous development of its employees through training and professional growth opportunities.

Future Plans: PSPCL is focused on future-ready strategies to cope with the increasing demand for electricity and the challenges posed by climate change. Plans include expanding the renewable energy portfolio, modernizing the grid infrastructure, and enhancing customer service through digital transformation.

2.4 Summary Profile of DISCOM

Table 5: Summary Profile of PSPCLDISCOM

Performance Summary of Electricity Distribution			
1	Period of Information Year of (FY) information including Date and Month (Start & End)	1st April 2023 to 31st March 2024	
2	**Technical Details**		
(a)	**Energy Input Details**	**Unit**	**Value**
i.	Input Energy Purchase (From Generation Source)	Million kwh	70604.92
ii.	At Punjab State periphery	Million kwh	69170.410
iii.	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	66886.39
iv.	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	59711.85
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	7174.54
		%	10.73%
	Collection Efficiency	%	100.00%
(c)	Aggregate Technical & Commercial Loss	%	10.73%

3 Energy Flows

3.1 Energy Accounts for Previous Years

In FY 2021-22, PSPCL (Punjab State Power Corporation Limited) has already submitted its Energy Audit report in compliance with the regulations set forth by the Bureau of Energy Efficiency (BEE). These regulations, titled "Manner and Intervals for Conduct of Energy Audit in electricity distribution companies," were officially notified on 6th October 2021.

The Energy Audit report is a comprehensive assessment of PSPCL's energy consumption, usage patterns, and overall energy efficiency measures. By adhering to the BEE regulations, PSPCL aims to enhance its energy conservation efforts, identify areas for improvement, and implement strategies to optimize energy usage and reduce wastage.

Submitting the Energy Audit report indicates PSPCL's commitment to sustainable practices and aligning with national energy efficiency standards. This report likely includes detailed information about energy consumption patterns, energy-saving initiatives undertaken, and recommendations for further improvements to promote a greener and more efficient operation.

PSPCL regularly submitted the Quarterly period energy accounting report to BEE for the period of FY 22-23 as per as per Bureau of Energy Efficiency (Manner and Intervals for Conduct of Energy Audit in electricity distribution companies) Regulations, 2021 Notified on 06.10.2021 and subsequent amendments.

Table 6: Previous Years Energy Accounts

S.No.	Observation	FY 2022-23	FY 2023-24
1.	The consumer growth from FY 22 to FY 23	10513750	10741902
2.	DTs	1200300	1284607
3.	Overall Line length including 66kv and above, 33kv,11kV and LT(ct km)	420098	420389
4.	T&D Loss	11.26 %	10.73 %

3.2 Energy Accounts and Performance in The Current Year

3.2.1 Summary of Electrical Distribution System

Table 7: Summary of Electrical Distribution System

Performance Summary of Electricity Distribution of PSPCL			
1	Period of Information Year of (FY) information including Date and Month (Start & End)	1st April 2023 to 31st March 2024	
2	**Technical Details**		
(a)	**Energy Input Details**		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	70604.92
(ii)	At Punjab State periphery	Million kwh	69170.410
(iii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	66886.39

Performance Summary of Electricity Distribution of PSPCL			
(iv)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	59711.85
(b)	Transmission and Distribution (T&D) loss Details (iii)-(iv) & for %age ((iii)-(iv))/(iii)	`	7174.54
		%	10.73%
	Collection Efficiency	%	100.00%
(c)	Aggregate Technical & Commercial Loss	%	10.73%

3.2.2 Source of Input Energy

Punjab State Power Corporation Limited own generation from GGSSTP, Ropar OF 840 MW, GHTP, Lehra Mohabbatand Hydro power plants of of combine capacity of 2157 MW. The details of power generated from different power stations& purchased by PSPCL is shown below

Table 8: Source of Input Energy from Different Generation Station

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		Type of Grid (intra-state/Inter-state)	Point of Connection (POC) Loss MU	Voltage Level (at Input)	Remarks (Source of data)	Net Energy Supplied (Mus)
				Date of signing of PPA	PPA Duration/Expiry Date (in years/ months/ days)					
1	GGSSTP, Ropar	840	Coal	Own Generation		Intra-state		220 KV	From Concerned	3573.62
2	GHTP, LehraMohabbat	920	Coal			Intra-state		220 KV		4258.48
3	Shanan	110	Hydro			Intra-state		132 kV		486.2
4	UBDC	91	Hydro			Intra-state		132 kV		368.74
5	MHP	225	Hydro			Intra-state		132 kV		1241.19
6	ASHP	134	Hydro			Intra-state		132 kV		473.17
7	RSPP	452	Hydro			Intra-state		220 KV		1836.59
8	Mini/Micro Hydel	3	Hydro			Intra-state		11 KV		1.67
9	GATP, Goindwal Sahib	540	Coal	26.5.2009	Intra-state	Intra-state		220 KV		2216.8
10	Talwandi Sabo TPP	1980	Coal	01.09.2008	Intra-state	Intra-state		400 KV		10281.64
11	Rajpura TPP	1400	Coal	18.01.2010	Intra-state	Intra-state		400 KV		9867.64
12	Bhakra Share	647	Hydro	Own Generation		Interstate	98.73	220 KV		2590.99

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		Type of Grid (intra-state/Inter-state)	Point of Connection (POC) Loss MU	Voltage Level (at Input)	Remarks (Source of data)	Net Energy Supplied (Mus)
				Date of signing of PPA	PPA Duration/Expiry Date (in years/ months/ days)					
13	Dehar Share	410	Hydro			Interstate	41.16	400 KV, 220 KV		1101.73
14	Pong Share	85	Hydro			Interstate	13.99	220 KV		362.98
15	Bairasiul	84	Hydro	22.03.2022	30.08.2046	Interstate	8.64	Injected through ISTS		231.92
16	Salal	184	Hydro	23.10.2012	31.03.2030	Interstate	31.26			843.71
17	Tanakpur	17	Hydro	23.10.2012	31.03.2028	Interstate	2.32			61.1
18	Chamera-I	55	Hydro	23.10.2012	30.04.2029	Interstate	7.59			206.07
19	Chamera-II	30	Hydro	6.12.2011	30.03.2039	Interstate	5.23			141.46
20	Chamera-III	18	Hydro	22.03.2022	03.07.2047	Interstate	3.01			82.45
21	Uri	66	Hydro	23.10.2012	30.05.2032	Interstate	11.45			307.19
22	Uri-II	20	Hydro	22.03.2022	28.02.2049	Interstate	4.68			125.58
23	Dhauliganga	28	Hydro	6.12.2011	31.10.2040	Interstate	4.17			113.21
24	Dulhasti	32	Hydro	9.03.2006	06.04.2042	Interstate	7.4			197.6

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		Type of Grid (intra-state/Inter-state)	Point of Connection (POC) Loss MU	Voltage Level (at Input)	Remarks (Source of data)	Net Energy Supplied (Mus)
				Date of signing of PPA	PPA Duration/Expiry Date (in years/ months/ days)					
25	Parbati-III	41	Hydro	22.03.2022	06.06.2049	Interstate	0.99			26.68
26	SEWA-II	10	Hydro	22.03.2022	23.07.2045	Interstate	1.91			51.48
27	Kishanganga	0	Hydro	unallocated share	unallocated share	Interstate	0.94			26.1
28	NathpaJhakri (SJVNL)	152	Hydro	24.10.2002	18.5.2039	Interstate	25.79			695.42
29	Rampur	23	Hydro	14.05.2014	6.11.2049	Interstate	4.27			115.29
30	Tehri (THDC)	77	Hydro	31.07.2003	08.07.2042	Interstate	10.32			271.78
31	Koteshwar (THDC)	25	Hydro	16.02.2008	31.03.2047	Interstate	3.15			83.2
32	DVC RTPS 1&2	300	Coal	07.11.2006	30.03.2041	Interstate	57.69			1501.98
33	DVC - Durgapur	200	Coal	07.11.2006	04.03.2038	Interstate	40.65			1063.63
34	DVC -BTPS	200	Coal	07.11.2006	22.02.2042	Interstate	50.47			1305.74
35	Singrauli	200	Coal	31.01.1994	31.10.1997 (In case	Interstate	53.44			1395.63

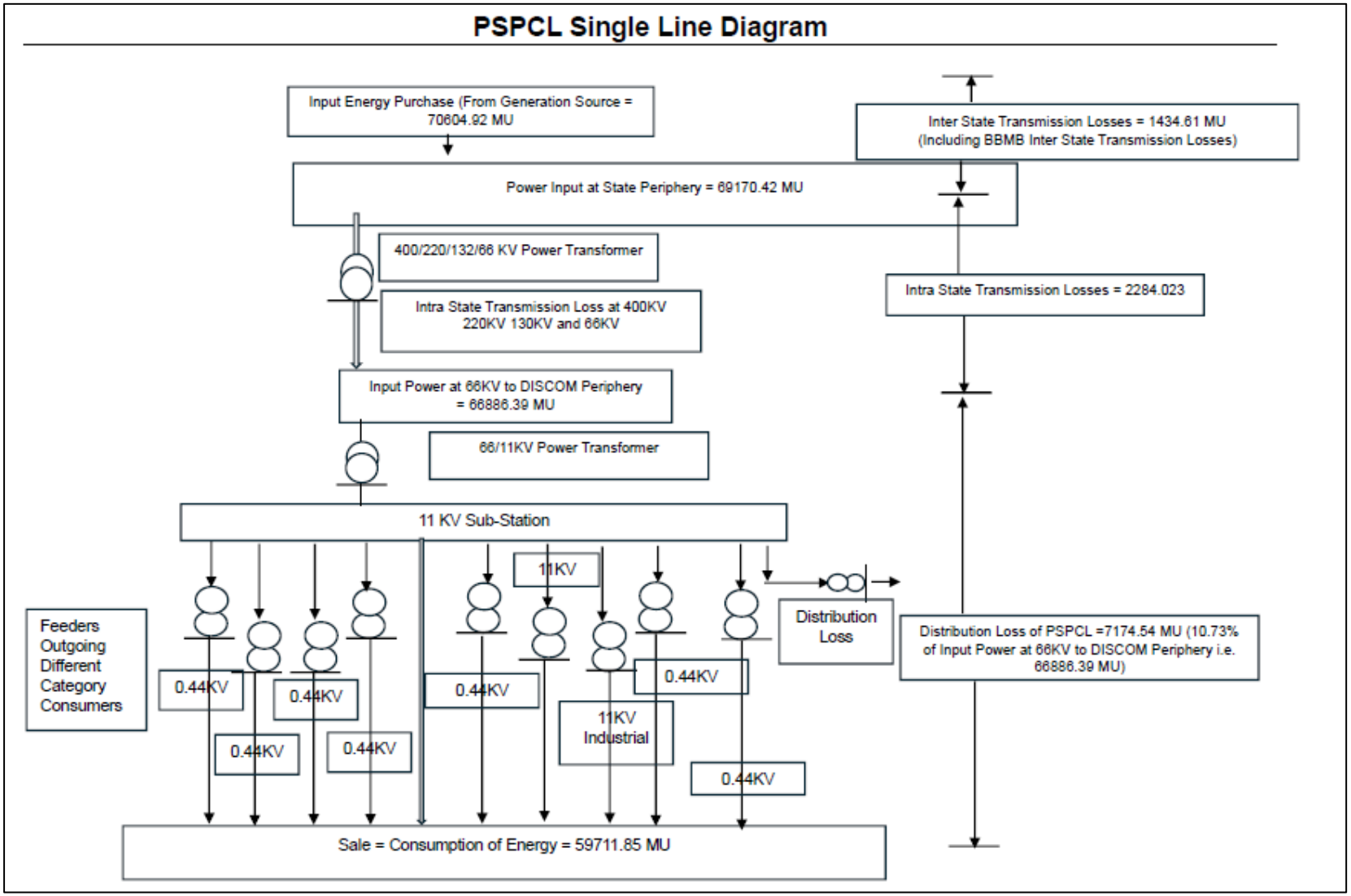
S.No.	Name of Generation Station	Generation Capacity (In MW)	Type of Station Generation (Based-Solid (Coal, Lignite)/Liquid/Gas/Renewable (biomass-bagasse)/Others)	Type of Contract		Type of Grid (intra-state/Inter-state)	Point of Connection (POC) Loss MU	Voltage Level (at Input)	Remarks (Source of data)	Net Energy Supplied (Mus)
				Date of signing of PPA	PPA Duration/Expiry Date (in years/ months/ days)					
36	Rihand-I	110	Coal	31.01.1994	PSPCL continue to receive power, terms and conditions of agreement will continue to operate)	Interstate	31.04			805.83
37	Rihand-II	102	Coal	17.09.1998 with amendment signed on 29.09.1998	31.03.2031	Interstate	26.42			692.36
38	Rihand - III	83	Coal	23.10.2008	26.03.2039	Interstate	23.43			609.61
39	Anta GPS	0	Gas	31.01.1994	PSPCL has relinquished its share from Anta, Auraiya and Dadri gas stations in view of PSERC order dated 05.08.2021 in petition no. 28 of 2021.	Interstate	0			0.05
40	Auraiya GPS	0	Gas	31.01.1994		Interstate	0			0.01
41	Dadri NCGPS	0	Gas	31.01.1994		Interstate	0			0.01

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		Type of Grid (intra-state/Inter-state)	Point of Connection (POC) Loss MU	Voltage Level (at Input)	Remarks (Source of data)	Net Energy Supplied (Mus)
				Date of signing of PPA	PPA Duration/Expiry Date (in years/ months/ days)					
42	Unchahar-I	0	Coal	31.01.1994	Unallocated Power and shall remain operative till allocation of power by GoI.	Interstate	0.53			13.56
43	Unchahar-II	60	Coal	29.09.1998	28.02.2025	Interstate	10.78			286.33
44	Unchahar-III	17	Coal	02.11.2002	31.12.2031	Interstate	2.85			75.12
45	Unchahar-IV	0	Coal	16.12.2011	Unallocated Power and shall remain operative till allocation of power by GoI.	Interstate	0.95			25.77
46	Jhajjar (JV)	0	Coal	06.05.2013	Unallocated Power and shall remain operative till allocation of power by GoI.	Interstate	2.52			70.29
47	Dadri (Th.)-II	0	Coal	02.11.2002	30.07.2035	Interstate	0.96			25.82

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		Type of Grid (intra-state/Inter-state)	Point of Connection (POC) Loss MU	Voltage Level (at Input)	Remarks (Source of data)	Net Energy Supplied (Mus)
				Date of signing of PPA	PPA Duration/Expiry Date (in years/ months/ days)					
48	Koldam HEP	62	Hydro	01.05.2002	17.07.2050	Interstate	9.42			255.05
49	Singrauli SHEP	0	Small Hydro	unallocated share	unallocated share	Interstate	0.02			0.48
50	Tanda Stage-II	0	Coal	unallocated share	unallocated share	Interstate	2.14			57.55
51	Meja	48	Coal	29.12.2010	29.04.2044	Interstate	12.45			328.03
52	Kahalgaon-II (ER)	120	Coal	02.11.2002 (supplementary agreement for capacity enhancement signed on 07.10.2003)	19.03.2035	Interstate	31.22			810.14
53	NAPP	51	Nuclear	29.08.2023	27.08.2038	Interstate	12.11			324.11
54	RAPP-B	100	Nuclear	29.08.2023	27.08.2038	Interstate	12.32			320.39
55	RAPP-C	46	Nuclear	25.08.2023	24.08.2038	Interstate	15.39			405.91
56	PTC Tala	30	Hydro	26-09-2006	31-07-2041	Interstate	1.27			35.05

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		Type of Grid (intra-state/Inter-state)	Point of Connection (POC) Loss MU	Voltage Level (at Input)	Remarks (Source of data)	Net Energy Supplied (Mus)
				Date of signing of PPA	PPA Duration/Expiry Date (in years/ months/ days)					
57	Pragati-III(Bawana)CCGT	137	Gas	24.09.2008	26.03.2029	Interstate	7.45			191.1
58	MALANA-2 (PTC)	88	Hydro	23-03-2006	12-07-2052	Interstate	4.31			115.91
59	KARCHAM (PTC)	200	Hydro	01.09.2006	13.09.2046	Interstate	26.22			706.71
60	SASAN Ultra Mega Project	594	Coal	07.08.2007	27.03.2040	Interstate	164.53			4263.85
61	MUNDRA_UMPP	519	Coal	22.04.2007	22.03.2038	Interstate	87.47			2259.34
	Total									**60187.02**

3.2.3 Power Flow chart of PSPCL Network



3.2.4 Summary of Input Energy

Table 9: Summary of Input Energy and It's Parameters

A. Summary of Energy Input & Infrastructure			
S.No.	**Parameters**	**Period From 01/04/2023 to 31/03/2024**	**Remarks (Source of data)**
A.1	Input Energy purchased (MU)	70604.92	Energy Schedule reports
A.2	Transmission loss (%)	5.27%	Inter State. Inc. BBMB+Intra state transmission losses
A.3	Transmission loss (MU)	3718.529	1434.506+2284.023 (Inter State. Inc. BBMB+Intra state)=3718.529
A.4	Energy sold outside the periphery (MU)	1424.44	(Energy Schedule) sheet SR. NO. 13.2+14+15+16+17
A.5	Open access sale (MU)	9.88	Railway
A.6	EHT sale		
A.7	Net input energy (received at DISCOM periphery or at distribution point)-(MU)	66886.39	Input Energy Feeders reports
A.8	Is 100% metering available at 66/33 kV (Select yes or no from list)	Yes	
A.9	Is 100% metering available at 11 kV (Select yes or no from list)	Yes	
A.10	% of metering available at DT	4.31%	Completion of the HVDS/Pillar Box installation in the AP/DS consumers may obviate the need for "Separate" DT meter installation due to virtually LT-less LD system
A.11	% of metering available at consumer end	87.13%	Planning
A.12	No of feeders at 66kV voltage level	187	Director/D
A.13	No of feeders at 33kV voltage level	5	Director/D
A.14	No of feeders at 11kV voltage level	13249	Director/D
A.15	No of LT feeders' level		
A.16	Line length (ckt. km) at 66kV voltage level	11707	P&M
A.17	Line length (ckt. km) at 33kV voltage level	73.7	P&M
A.18	Line length (ckt. km) at 11kV voltage level	252286	Planning
A.19	Line length (km) at LT level	156323	Planning
A.20	Length of Aerial Bunched Cables	2802.39	Zones
A.21	Length of Underground Cables	450.64	Zones
A.22	HT/LT Ratio	1.61	

The transmission losses in a combination of Interstate and intrastate transmission losses. Both Interstate and intrastate transmission losses are metered. The methodology used by National Load Despatch Centre to calculate the Inter state transmission losses is shown below

It is to inform that Hon'ble CERC has notified CERC (Sharing of Inter State Transmission Charges and Losses) Regulations, 2020 on 04th May,2020; w.e.f. 1st November,2020. As per clause (10) of these regulations, transmission losses for ISTS shall be calculated on all India average basis for each week, from Monday to Sunday.

All India transmission loss would be based upon the average loss computed from the SEM data of previous week. All India transmission loss for the period from 03-06-2024 to 09-06-2024 would be as follows: All India transmission Loss (in %) 3.42
Illustration:

a. Sum of injection into the ISTS at regional nodes for previous week = 17435.78 MU
b. Sum of drawl into the ISTS at regional nodes for previous week = 16881.88 MU
c. Sum of injection into the ISTS at regional nodes by projects covered under Clause (1) of Regulation 13 for previous week = 1224.03 MU
d. Then, average all-India transmission loss for ISTS shall be [(17435.78-16881.88)/ (17435.78-1224.03)] x 100 = 3.42 %
e. All figures are rounded off up to 2 decimal places.

4 Segregation of Discom Energy

4.1.1 Details of Circle, Division, Feeders, DTs and Consumers

Table 10: Details of Circle, Division, Feeders, DTs, and Consumers

Parameters	Total	Remarks (Source of data)
Number of Circles	21	CE/Planning
Number of Divisions	104	CE/Planning
Number of Sub-Divisions	508	CE/Planning
Number of Feeders	13441	Director/D Reports link
Number of DTs	1284607	Director/D Reports link
Number of Consumers	10741902	CE/Planning

4.1.2 Quarterly Performa review submitted to BEE

Table 11: Variance in Quarterly and Annual Performa

Variance in Quarterly and Annual Performa								
	Q1	Q2	Q3	Q4	Annual via sum	Annual Performa	Variance	Remarks
Input Energy purchased (MU)	16593.03	26207.92	13579.90	14232.08	70612.93	70604.92	8.01	Minor Variation
Transmission loss (%)	5.30 %	5.35 %	5.41 %	4.94 %	5.27%	5.27%	0.00	
Transmission loss (MU)	878.63	1402.23	734.62	702.577	3718.06	3718.529	-0.46	Minor Variation
Net input energy (received at DISCOM periphery or at distribution point)-(MU)	15714	24805.68	12845.28	13529.5	66895	66886.39	8.61	Minor Variation
Billing Energy	13224.93	22474.98	12471.62	12405.15	60577	59711.85	866.	There is major difference in Billed energy
T & D Losses	15.84 %	9.40 %	2.91 %	8.31 %	9.44%	10.73%	-1.29 %	
Billed Amount	8506.40	14784.13	9348.13	8480.036	41118.70	41118.70	0.00	
Collected Amount	8506.40	12671.96	10688.07	8246.514	40112.95	41119.53	1006.58	Minor Variation
Collection Efficiency	111.83%	85.71 %	114.33%	97.25 %	97.55%	100.00	-2.45 %	

Variance in Quarterly and Annual Performa								
	Q1	Q2	Q3	Q4	Annual via sum	Annual Performa	Variance	Remarks
A T &C Losses	5.88 %	22.34 %	11.01 %	10.84 %	9.21%	10.73%	-0.54 %	

The performance variation analysis shows minor discrepancies in most metrics, such as input energy and transmission loss, with variances less than 10 MU. Collection efficiency and collected amounts also show minor variation. But there is major variation in the billed energy which is 866 MU.

4.1.3 Division Wise Losses for Different Category

Table 12: Division Wise Losses

S.No	Name of circle	Name of Division	Total Number of connections (Nos)	Input energy (MU)	Billed Energy (MU)	T&D loss (%)	Collection Efficiency	AT & C loss (%)
1	CITY AMRITSAR	DS CITY CENTER DIVN., ASR	61997	322.00	278.039	13.65%	102.57%	11%
2	CITY AMRITSAR	DS CIVIL LINES TECH. DIVN.	42210	282.60	255.471	9.60%	102.57%	7%
3	CITY AMRITSAR	DS DIVN. HAKIMA GATE, ASR	65359	178.86	149.479	16.43%	102.57%	14%
4	CITY AMRITSAR	DS INDL. AREA TECH. DIVN.	63198	245.72	203.761	17.08%	102.57%	15%
5	GURDASPUR	DS CITY DIVN. BATALA	89815	351.07	291.785	16.89%	102.00%	15%
6	GURDASPUR	DS CITY DIVN. BATALA	145246	485.57	466.681	3.89%	100.48%	3%
7	GURDASPUR	DS DIVN. QADIAN	83749	349.29	282.371	19.16%	102.86%	17%
8	GURDASPUR	DS DIVN. DHARIWAL GURDASPUR	65490	252.82	202.334	19.97%	98.55%	21%
9	GURDASPUR	DS DIVN. GURDASPUR	128857	391.14	331.539	15.24%	101.76%	14%
10	GURDASPUR	DS S/U DIVN. BATALA	108761	470.54	348.219	26.00%	99.58%	26%
11	GURDASPUR	DS S/U DIVN. PATHANKOT	113926	345.22	321.532	6.86%	101.58%	5%
12	SUB URBAN AMRITSAR	DS DIVN. JANDIALA GURU	81116	502.62	404.356	19.55%	98.69%	21%
13	SUB URBAN AMRITSAR	DS EAST DIVN.AMRITSAR	191223	1053.11	909.078	13.68%	100.55%	13%
14	SUB URBAN AMRITSAR	DS S/U DIVN. AMRITSAR	87353	623.34	436.539	29.97%	96.86%	32%
15	SUB URBAN AMRITSAR	DS WEST DIVN. ASR	60059	482.16	279.312	42.07%	100.94%	42%
16	SUB URBAN AMRITSAR	DS. DIVN. AJNALA	68601	418.63	247.347	40.91%	98.01%	42%

S.No	Name of circle	Name of Division	Total Number of connections (Nos)	Input energy (MU)	Billed Energy (MU)	T&D loss (%)	Collection Efficiency	AT & C loss (%)
17	TARN TARAN	DS CITY DIVN. TARN TARAN	80969	506.96	344.419	32.06%	99.59%	32%
18	TARN TARAN	DS DIVN. BHIKHIWIND	50752	486.42	248.401	48.93%	98.39%	50%
19	TARN TARAN	DS DIVN. PATTI	70721	606.60	344.648	43.18%	99.84%	43%
20	TARN TARAN	DS DIVN. RAYYA AT BEAS	94914	433.27	344.658	20.45%	100.05%	20%
21	TARN TARAN	DS S/U DIVN. TARN TARAN	63498	408.77	304.600	25.48%	97.42%	27%
22	CITY EAST LUDHIANA	DS CITY CEN. (SPL) DIVN.LDH	63400	258.65	252.724	2.29%	101.66%	1%
23	CITY EAST LUDHIANA	DS CMC (SPL) DIVN.LDH	54355	403.95	396.606	1.82%	95.76%	6%
24	CITY EAST LUDHIANA	DS F. POINT (SPL) DIVN.LDH	114341	2297.55	2298.604	-0.05%	101.42%	-1%
25	CITY EAST LUDHIANA	SUNDER NAGAR LDH	91307	703.54	665.420	5.42%	98.90%	6%
26	CITY WEST LUDHIANA	DS AGAR. NGR. (SPL) DIVN.	117908	639.04	598.749	6.30%	96.34%	10%
27	CITY WEST LUDHIANA	WEST LUDHIANA	73758	624.95	602.603	3.58%	96.33%	7%
28	CITY WEST LUDHIANA	DS ESTATE (SPL) DIVN.LDH	83379	1862.73	1772.845	4.83%	99.37%	5%
29	CITY WEST LUDHIANA	JANTA NAGAR SPL LDH	93482	412.34	380.063	7.83%	98.88%	9%
30	CITY WEST LUDHIANA	DS MODEL TOWN (SPL) DIVN.LDH	90481	440.03	395.805	10.05%	99.83%	10%
31	KHANNA	DS (SPL)DIVN.M/GOBIND GARH	39973	3174.06	3049.861	3.91%	95.41%	8%
32	KHANNA	DS DIVN. AMLOH	53820	912.19	869.665	4.66%	98.71%	6%
33	KHANNA	DS DIVN. DORAHA	51835	732.96	692.948	5.46%	99.03%	6%
34	KHANNA	DS DIVN. KHANNA	105185	899.71	834.845	7.21%	99.76%	7%
35	KHANNA	DS DIVN. SIRHIND	89970	753.10	699.987	7.05%	102.14%	5%
36	SUB URBAN LUDHIANA	DS DIVN. ADDA DAKHA	67411	448.74	422.415	5.87%	100.73%	5%

S.No	Name of circle	Name of Division	Total Number of connections (Nos)	Input energy (MU)	Billed Energy (MU)	T&D loss (%)	Collection Efficiency	AT & C loss (%)
37	SUB URBAN LUDHIANA	DS DIVN. AHMEDGARH	50953	326.53	297.045	9.03%	102.03%	7%
38	SUB URBAN LUDHIANA	DS DIVN. JAGRAON	70532	433.05	382.870	11.59%	102.20%	10%
39	SUB URBAN LUDHIANA	DS DIVN. RAIKOT	66807	478.71	416.359	13.03%	102.62%	11%
40	SUB URBAN LUDHIANA	DS S/U DIVN. LALTON KALAN	75158	476.69	443.436	6.98%	97.74%	9%
41	HOSHIARPUR	DS CITY DIVN. HSP	119531	512.13	479.573	6.36%	101.85%	5%
42	HOSHIARPUR	DS DIVN. BHOGPUR	88704	330.89	301.689	8.82%	102.07%	7%
43	HOSHIARPUR	DS DIVN. DASUYA	91392	262.84	247.712	5.76%	102.41%	3%
44	HOSHIARPUR	DS DIVN. MAHILPUR	85232	338.74	288.667	14.78%	103.29%	12%
45	HOSHIARPUR	DS DIVN. MUKERIAN	119238	283.53	283.149	0.14%	101.38%	-1%
46	HOSHIARPUR	DS S/U DIVN. HSP	84868	659.18	646.035	1.99%	100.18%	2%
47	JALANDHAR	DS Divn. Cantt, Jalandhar	128183	553.11	501.848	9.27%	99.94%	9%
48	JALANDHAR	DS Divn. East, Jalandhar	92918	995.14	957.364	3.80%	98.13%	6%
49	JALANDHAR	DS Divn. Model Town, Jalandhar	144893	781.45	706.785	9.55%	99.56%	10%
50	JALANDHAR	DS DIVN. PHAGWARA	107108	487.89	471.416	3.38%	101.32%	2%
51	JALANDHAR	DS Divn. West, Jalandhar	109705	563.65	517.711	8.15%	98.51%	10%
52	KAPURTHALA	DS CITY DIVN. KAPURTHALA	84935	452.58	397.286	12.22%	99.30%	13%
53	KAPURTHALA	DS CITY DIVN. NAKODAR	87512	423.47	351.907	16.90%	100.90%	16%
54	KAPURTHALA	DS DIVN. KARTARPUR	68581	298.57	275.190	7.83%	101.96%	6%
55	KAPURTHALA	DS S/U DIVN. KAPURTHALA	82342	387.25	349.768	9.68%	101.90%	8%
56	KAPURTHALA	DS S/U DIVN. NAKODAR	102435	475.42	421.365	11.37%	101.97%	10%
57	NAWANSHAHR	DS DIVN. BANGA	79615	287.80	254.246	11.66%	103.15%	9%
58	NAWANSHAHR	DS DIVN. GARHSHANKAR	115505	448.00	358.988	19.87%	102.56%	18%

S.No	Name of circle	Name of Division	Total Number of connections (Nos)	Input energy (MU)	Billed Energy (MU)	T&D loss (%)	Collection Efficiency	AT & C loss (%)
59	NAWANSHAHR	DS DIVN. GORAYA	90046	471.26	423.482	10.14%	102.45%	8%
60	NAWANSHAHR	DS DIVN. NAWANSHAHR	88327	310.63	281.885	9.25%	101.63%	8%
61	BARNALA	DS CITY DIVN. BARNALA	92551	801.26	657.587	17.93%	101.61%	17%
62	BARNALA	DS DIVN. DHURI	80677	694.02	599.451	13.63%	101.08%	13%
63	BARNALA	DS DIVN. MALERKOTLA	109658	942.27	861.779	8.54%	100.29%	8%
64	BARNALA	DS S/U DIVN. BARNALA	79537	786.64	624.587	20.60%	101.84%	19%
65	MOHALI	DS DIVN. LALRU	94226	1479.24	1467.120	0.82%	98.63%	2%
66	MOHALI	DS DIVN. ZIRAKPUR	156484	743.97	691.912	7.00%	100.18%	7%
67	MOHALI	DS SPL. DIVN. MOHALI	176393	1441.93	1365.106	5.33%	100.81%	5%
68	PATIALA	DS Divn. Model Town, Patiala	70200	333.15	294.062	11.73%	101.92%	10%
69	PATIALA	DS DIVN. NABHA	84803	553.51	492.698	10.99%	101.71%	9%
70	PATIALA	DS DIVN. RAJPURA	106970	855.65	795.553	7.02%	98.04%	9%
71	PATIALA	DS DIVN. SAMANA	63273	816.07	700.265	14.19%	100.87%	13%
72	PATIALA	DS EAST DIVN PATIALA	82253	661.95	576.760	12.87%	101.44%	12%
73	PATIALA	DS S/U DIVN PATIALA	93743	598.42	520.575	13.01%	101.77%	11%
74	PATIALA	DS WEST DIVN PATIALA	85362	353.62	318.910	9.82%	99.18%	11%
75	ROPAR	DS DIVN. KHARAR	178533	933.97	861.264	7.78%	99.51%	8%
76	ROPAR	DS DIVN. ANANDPUR SAHIB	116802	629.20	632.938	-0.59%	99.72%	0%
77	ROPAR	DS DIVN. ROPAR	92523	699.16	658.970	5.75%	100.96%	5%
78	ROPAR	DS DIVN. SAMRALA	103544	1805.56	1716.190	4.95%	100.46%	5%
79	SANGRUR	DS CITY DIVN. SUNAM	80324	728.54	601.235	17.47%	102.69%	15%
80	SANGRUR	DS DIVN. DIRBA	49653	476.89	415.978	12.77%	103.91%	9%
81	SANGRUR	DS DIVN. PATRAN	65516	674.92	491.206	27.22%	102.86%	25%
82	SANGRUR	DS DIVN. SANGRUR	83958	741.42	660.951	10.85%	101.66%	9%
83	SANGRUR	DS S/U DIVN. SUNAM (Lehragaga)	64159	643.40	497.288	22.71%	102.42%	21%

S.No	Name of circle	Name of Division	Total Number of connections (Nos)	Input energy (MU)	Billed Energy (MU)	T&D loss (%)	Collection Efficiency	AT & C loss (%)
84	BATHINDA	DS CITY DIVN. BATHINDA	176777	1312.84	1193.777	9.07%	99.34%	10%
85	BATHINDA	DS DIVN. BHAGTA BHAI KA	52601	562.16	404.457	28.05%	102.14%	27%
86	BATHINDA	DS DIVN. BUDHLADA	88641	675.65	582.716	13.76%	102.97%	11%
87	BATHINDA	DS DIVN. MANSA	126650	754.24	640.709	15.05%	103.44%	12%
88	BATHINDA	DS DIVN. MAUR	111493	1766.38	1655.546	6.27%	100.26%	6%
89	BATHINDA	DS DIVN. RAMPURA PHUL	69171	656.27	484.822	26.12%	103.18%	24%
90	FARIDKOT	DS CITY DIVN. MOGA	108507	734.01	599.106	18.38%	100.18%	18%
91	FARIDKOT	DS DIVN. BAGHAPURANA	81768	756.10	547.301	27.62%	98.52%	29%
92	FARIDKOT	DS DIVN. FARIDKOT	83142	421.16	341.842	18.83%	100.88%	18%
93	FARIDKOT	DS DIVN. KOTKAPURA	109803	647.48	571.569	11.72%	102.41%	10%
94	FARIDKOT	DS S/U DIVN. MOGA	78238	631.58	569.146	9.89%	102.04%	8%
95	FEROZPUR	DS CITY DIVN. FEROZEPUR	77313	479.70	360.197	24.91%	98.68%	26%
96	FEROZPUR	DS DIVN. JALALABAD	101232	676.07	455.215	32.67%	99.27%	33%
97	FEROZPUR	DS DIVN. ZIRA	79167	721.29	457.922	36.51%	99.64%	37%
98	FEROZPUR	DS S/U DIVN. FEROZEPUR	62824	399.99	268.544	32.86%	96.43%	35%
99	MUKATSAR	DS DIVN. ABOHAR	117058	463.67	334.888	27.78%	98.43%	29%
100	MUKATSAR	DS DIVN. BADAL	37450	261.10	199.106	23.74%	96.74%	26%
101	MUKATSAR	DS DIVN. FAZILKA	92190	426.75	354.817	16.86%	100.72%	16%
102	MUKATSAR	DS DIVN. GIDDARBAHA	58719	333.04	248.732	25.32%	98.39%	27%
103	MUKATSAR	DS DIVN. MALOUT	86089	479.77	315.643	34.21%	98.14%	35%
104	MUKATSAR	DS DIVN. MUKTSAR	135506	533.65077	350.8348	16.57%	92.76%	23%

Maximum loss in Tarn Taran circle of Border Zone in division Bhikhiwindi and Patti have been observed as 48.93% and 43.18% respectively. Further maximum number of divisions of Border zone are showing more losses in 17 Divisions out of 32 Divisions identified from all the Zones falling under range of losses from (15-20), (20-30), (30-40), (40-50) percent.

5 Summary of Electrical Power Distribution Infrastructure

Table 13: PSPCL Infrastructure Details

Form-Details of Input Infrastructure					
1	**Parameters**	**Total**	**Covered during in audit**	**Verified by Auditor in Sample Check**	**Remarks (Source of data)**
i	Number of circles	21	21	21	CE/Planning
ii	Number of divisions	104	104	104	CE/Planning
iii	Number of sub-divisions	508	508	508	CE/Planning
iv	Number of feeders	13441	13441	13441	Director/D Reports link
v	Number of DTs	1284607	1284607	1284607	Director/D Reports link
vi	Number of consumers	10741902	10741902	10741902	CE/Planning
2	**Parameters**	**66kV and above**	**33kV**	**11/22kV**	**LT**
a. i.	Number of conventional metered consumers	45	0	68701	8497948
ii	Number of consumers with 'smart' meters	11	0	19639	734569
iii	Number of consumers with 'smart prepaid' meters	0	0	0	0
iv	Number of consumers with 'AMR' meters	181	53	34034	4016
v	Number of consumers with 'non-smart prepaid' meters	0	0	0	0
vi	Number of unmetered consumers	0	0	0	1382705
vii	**Number of total consumers**	237	53	122374	10619238

b.i.	Number of conventionally metered Distribution Transformers	0	0	22377	6542
ii	Number of DTs with communicable meters	185	4	23170	3127
iii	Number of unmetered DTs	0	0	1229202	0
iv	**Number of total Transformers**	**185**	**4**	**1274749**	**9669**
c.i.	Number of metered feeders	187	5	13249	0
ii	Number of feeders with communicable meters	187	5	13249	0
iii	Number of unmetered feeders	0	0	0	0
iv	**Number of total feeders**	187	5	13249	0
d.	Line length (ct km)	11707 km	50.7 +23(Idle)=73.7	252286	156323
e.	Length of Aerial Bunched Cables	0	0	1134.628	1667.765
f.	Length of Underground Cables	37.477	0	371.894	41.270
3	**Voltage level**	**Particulars**	**MU**	**Reference**	**Remarks (Source of data)**
i	66kV and above (Inter-State)	Long-Term Conventional	26788.68	Includes input energy for franchisees	
		Medium Conventional (unscheduled interchange)	-741.37		value of unscheduled interchange energy is entered as the provision of the same has not provided in the performa
		Short Term Conventional	6272.19		
		Banking	-823.65		
		Long-Term Renewable energy	3665.25		

		Medium and Short-Term RE	0.00	Includes power from bilateral/ PX/ DEEP	
		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	-1424.44		
		Quantum of inter-state transmission loss	1434.51	As confirmed by SLDC, RLDC etc	
		Power procured from inter-state sources	33736.66	Based on data from Form 5	
		Power at state transmission boundary	32302.15		
ii	66kV and above (Intra-State)	Long-Term Conventional	34605.74		Power procured from intra state sources at different voltage levels
		Medium Conventional	NA		
		Short Term Conventional	NA		
		Banking	NA		
		Long-Term Renewable energy	2028.10		NRSE power procured from intra state sources at 66KV and above
		Medium and Short-Term RE			
		Captive, open access input			
		Sale of surplus power			
		Quantum of intra-state transmission loss	2284.023		

		Power procured from intra-state sources	36633.84		PSTCL
iii		**Input in DISCOM wires network**	66652		
iv	33 kV	Renewable Energy Procurement	0.00		
		Small capacity conventional/ biomass/ hydro plants Procurement	0.00		
		Captive, open access input	0.00		
v	11 kV	Renewable Energy Procurement	234.42		NRSE power procured from intra state sources at 11KV
		Small capacity conventional/ biomass/ hydro plants Procurement	0.00		PSTCL
		Sales Migration Input			
vi	LT	Renewable Energy Procurement	98.48		**Roof Top Solar Energy**
		Sales Migration Input	-98.48		
vii	**Energy Embedded within DISCOM wires network**	**Energy Embedded within DISCOM wires network**	234.42		
viii	**Total Energy Available/ Input**	**Total Energy Available/ Input**	66886.39		
4	**Voltage level**	**Energy Sales Particulars**	**MU**	**Reference**	
i	11KV/LT	DISCOM' consumers		Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	

		Embedded generation used		Demand from embedded generation at LT level	
		Sale at 11KV/LT level	0.00		Voltagewise energy requirement input not available instead avalable sourcewise.
		Quantum of 11KV/LT level losses	0.000		
		Energy Input at11 KV/ LT level			
ii	33 kV Level	DISCOM' consumers		Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	
		Embedded generation at 33 kV level used		Demand from embedded generation at 11kV level	
		Sales at 33 kV level	0.00		
		Quantum of Losses at 33 kV	0.000		
		Energy input at 33 kV level			
iii	66>/66/33/11 / 0.44 KV	DISCOM' consumers	59711.85	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	9.88	Non DISCOM's sales	

		Embedded generation at 66 kV or below level		This is DISCOM and OA demand met via energy generated at same voltage level	
		Sales at 66 kV level	59711.85		
		Quantum of Losses at 66 kV>	10893.07	(inter state, Inc. BBMB+Intra state+ DISCOM)	
		Energy input at 66kV Level	70604.92		
iv	> 66 kV	DISCOM' consumers		Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	
		Cross border sale of energy	0		
		Sale at other DISCOMs	0		
		Banking	0		
		Energy input at > 66kV Level			
		Sales at 66kV and above (EHV)			
Total Energy Requirement			**70604.92**		
Total Energy Sales			**59711.85**		
Energy Accounting Summary					
5	**DISCOM**	**Input (in MU)**	**Sale (in MU)**	**Loss (in MU)**	**Loss %**
i	LT				

ii	11KV				
iii	33 KV				
iv	66/33/11 / 0.44 KV	66886.39	59711.85	7174.54	10.73%
6	**Open Access, Captive**	**Input (in MU)**	**Sale (in MU)**	**Loss (in MU)**	
i	LT	0	0	0	
ii	11 Kv	0	0	0	
iii	33 kv	0	0	0	
iv	> 33 kv				
	Loss Estimation for DISCOM				
	T&D loss	10,893.07			
	D loss	7,174.54			
	T&D loss (%)	15.43%			
	D loss (%)	10.73%	(D losses/(Total Energy requirement-Interstate transmission losses-intra state transmission losses)		

NOTE: D Losses 10.73% are calculated by Net input energy (At DISCOM Periphery after adjusting the transmission losses and energy traded) i.e 70604.92-1434.51-2284.023= 66886.39MU basis.

6 Consumer category, Subsidy, RPO and other compliance details

6.1 Detailed Energy Consumption Analysis by Consumer Category

Following category of consumers are being fed power with different priority according to nature of the job, subsidy allowed, production nature and general purpose of lighting consideration.

i) Domestic Supply - DS

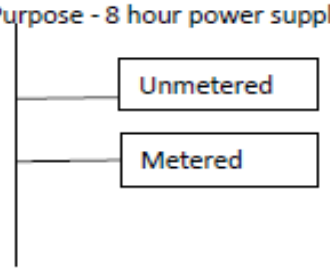
ii) Commercial Supply - CS

iii) Small Power Supply - less than 20 KW load (SPS)

iv) Medium Power Supply - More than 20 KW and less than 100 KW load (MPS)

v) Large Power Supply - more than 100 KW load (LPS)

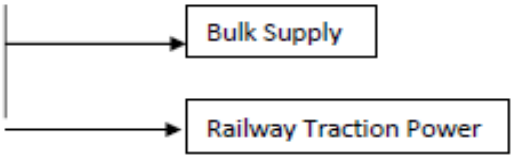
vi) Agriculture Purpose - 8 hour power supply in 24 hours because 100% subsidized.



SPS + AP = Domestic Industries

vii) Bulk Supply - Power given to different society (Group of consumers)

viii) Railway Supply



ix) Public Lighting - PL (Street Lighting)

The equivalent categories as mentioned in the BEE Performa.

6.2 Provision of Subsidy

Government of Punjab has notified subsidy for agriculture sector and other deprived section of the society and poor people of general category in the following manner. (Reference from Annexure – 14 (Notification of Government for subsidy)

Sr No.	Category	Provision ofsubsidy/Payment
1	Agriculture Sector	100%
2	Schedule Cast (SC), Non –SC BPL, 300units monthly	
	Backward Class(BC)and freedom fighter domestic consumers	
2.a.	Excessover300Limit/Months by them	Liable to pay for extra unit consumed over 300 Limit/Month as per applicable slab of tariff with full fixed charge and meter rental.
2.b.	Subsidy payment conditions	Up to 300unit/month for all kind of use.
3	General Category	(other domestic 300unit/month
	consumers)	
3.a.	Subsidy Condition	For residential use only with full fixed charge and meter rent.
3.b.	In excess over300unit/month per	Liable to pay for entire consumption as Applicable slab of tariff along with fixed charges, Meter Rentals and Government Levies.
4	All domestic consumers having Rs3/Unit(including taxes)	
	Sanctioned Load upto 7 KW	
5	All industrial manufacturing and LT&ITES annual industries and industrial parks	Subsidized Tariff Rs 5.50 per Kwh with 3% and escalation.
	amusement parks/Adventure parks	
	developed in minimum area of acres dully registered with Department of Tourism.	
6	Small scale industries	Charged at subsidized rate of Rs 5.5/Kwh with 3% annual increment and full waiver of fixed charges.
7	Medium scale industries	Charged as subsidized rate of Rs 5.5/kWh with 3% annual escalation and 50 % waiver IN fixed charges.
8	Large supply industrial consumption with 3% annual escalation.	Charged as subsidized rate of Rs 5.5/Kwh
9	Central/State/PSUs/PSPCL/PSTCL/BBMB	No subsidy allowed.
	Offices and Government water supply connections under industrial category(SP/MS/LS)	

6.3 Policy of calibration of meters

Central Electricity authority vide notification no 502/70/CEA/DP & D, in exercise of powers conferred by sub section (1) of section 55 and clause (e) of section 73 read with sub section 177 of Electricity Act, 2003 made regulation known as the Central Electricity Authority (Installation and operation of meter is cited below for ready reference)

➢ 18.b. All interface meters shall be tested at least once in five years. These meters shall also be tested whenever the energy and other quantities recorded by the meter are abnormal or inconsistent with electrically adjacent meters. Whenever there is unreasonable difference between the quantity recorded by interface meter and the corresponding value monitored at the billing centre via communication network, the communication system and terminal equipment shall be tested and rectified. The meters may be tested using NABL accredited mobile laboratory or at any accredited laboratory and recalibrated if required at manufacturer's works.

➢ 18.c Testing and calibration of interface meters may be carried out in the presence of the representatives of the supplier and buyer. The owner of the meter shall send advance notice to the other party regarding the date of testing.

➢18. (2) Consumer meters: The testing of consumer meters shall be done at site at least once in five years. The licensee may instead of testing the meter at site can remove the meter and replace the same by a tested meter duly tested in an accredited test laboratory. In addition, meters installed in the circuit shall be tested if study of consumption pattern changes drastically from the similar months or season of the previous years or if there is consumer's complaint pertaining to a meter. The standard reference meter of better accuracy class than the meter under test shall be used for site testing of consumer meters up to 650 volts. The testing for consumers meters above 650 volts should cover the entire metering system including CTs, VTs. Testing may be carried out through NABL accredited mobile laboratory using secondary injection kit, measuring unit and phantom loading or at any accredited test laboratory and recalibrated if required at manufacturer's works.

➢ 18.(3) Energy accounting and audit meters: Energy accounting and audit meters shall be tested at site at least once in five years or whenever the accuracy is suspected or whenever the readings are inconsistent with the readings of other meters, e.g., check meters, standby meters. The testing must be carried out without removing the CTs and VTs connection. Testing may be carried out through NABL accredited mobile laboratory using secondary injection kit, measuring unit and phantom loading or at any accredited test laboratory and recalibrated if required at manufacturer's works.

Comment:

But there is general practice to change the meter in case erratic reading is observed. Manpower needed for testing of LT meter, DTs meter, and Feeder meter through NABL across the country is not adequate to take up the work regularly at 5 years on call of DISCOM. But in place of such non

feasible provisions DISCOM's meter readers reads the energy consumption/download consumption and observe the functioning of meters. They report about the meters to the department looking after metering. Meter are tested and calibrated before installation but thereafter there is system of regular calibration by NABL at every 5 Years interval. Each zone has ME (Meter Equipment) labs for testing and calibrating the meter before installation of new meter or replacement of defective meters.

6.4 Renewable Purchase obligation

The verdict of Punjab state electricity regulatory commission in petition number 30 of 2022 Dt. 06-01-2023 has allowed PSPCL to carry forward the deficit target of RPO of FY 2021-22 and 2022-23 to FY 2023-24.

As per present target and provisions for RPO PSPCL is hoping to be surplus in respect of RPO. The new provisions for RPO consideration are in favour of PSPCL.

➢ Provisions for RPO

1) The energy from the Large Hydropower Projects (LHPs) including Pump Storage Project (PSPs) having capacity more than 25 MW and commissioned after 8th March 2019 will be considered as RPO, notified nomenclature as HPO.

2) From FY 2022-23 onwards the energy from all Hydropower Projects (HPPs) will be considered as part of RPO. All other HPPs will be considered as part of RPO under category of 'Other RPO'

RPO Trajectory for the period 2021–22 to 2029–30

Year	Wind RPO in %	HPO in%	Other RPO in%	Total RPO in%
2022-23	0.81	0.35	23.44	24.61
2023-24	1.60	0.66	24.81	27.08
2024-25	2.46	1.08	26.37	29.91
2025-26	3.36	1.48	28.17	33.01
2026-27	4.29	1.80	29.86	35.95
2027-28	5.23	2.15	31.43	38.81
2028-29	6.16	2.51	32.69	41.36
2029-30	6.94	2.82	33.57	43.39

PSPCL after the inclusion of all the existing hydro energy from state share of Bhakhra Nangal project as category 'Other RPO' will exceed its RPO target.

6.5 Energy Conservation Measures Accomplished

ACTION ALREADY TAKEN/ IN PROCESS FOR IMPROVEMENT IN ENERGY EFFICIENCY:

- Augmentation of Major part of old 66-KV lines along with 66 KV transformation capacities.
- Replacement of existing old and de-rated 66 KV network throughout the State.
- Improvement of Reliability, Voltage Profile & Future Load Management by replacement of old existing conductor (where mechanical strength have been deteriorated) by providing HTLS conductor.
- Replacing obsolete/old, aged switch gears and unreliable electromechanical protection relays by numerical relays.
- Installation of Distance Protection Relays.
- New Capacity addition and augmentation of transformation capacity adequately to meet up present and future load growth.
- Weakest areas in the system and strengthening by improving them so as to draw the maximum benefits.
- To facilitate increased availability of power to the consumers, improve service delivery, and reduce system losses.
- Installation of LT Shunt Capacitors on Agricultural Pumps.
- Nearly 10 Lac 1-Φ smart meters, 1 Lac 3-Φ smart meters & 5000 LT CT smart meters have already been installed &further installation is under process.
- Under RDSS Scheme, purchase of HT smart meters to be installed on 12563 No. 11KV feeders and 184044 No. meters for DTs above 25 KVA on urban feeders is in process.

Under RDSS Scheme:

- The Revamped Distribution Sector Scheme (RDSS) is an ambitious flagship scheme aimed at improving the operational efficiencies and financial sustainability of the DISCOMs through a robust and sustainable distribution network.
- The scheme has been sanctioned for Rs. 9,563 Cr. to Augment/improves the Distribution Infrastructure such as 66kV lines& 66kV Power Transformers, 11kV feeders, 11kV DTRs and Smart Metering etc.
- Smart Metering Tenders worth Rs. 5747 Cr. for installation of Consumer meters, DT meters and Feeder meters are under progress.
- Tenders worth Rs. 3816 Cr. For HT/LT works and 66 KV works are under progress.
- Ministry of Power, Government of India accorded approval for consideration of already departmentally executed works by PSPCL under RDSS worth Rs. 302 Cr. (HT/LT works ~ Rs. 156 Cr. & 66 KV works ~ Rs. 146 Cr.).
- Grant worth Rs. 114 Cr. against RDSS works has already been received from Nodal Agency and has been fully utilized.
- Further, Draft Proposal for Modernization works amounting to around Rs. 10,789 Cr. has been submitted to Govt. of India for approval.

6.6 Energy Conservation Measures Recommended

1. **Replacement of LT Bare Line by AB Cable:** This measure involves upgrading the distribution network by replacing Low-Tension (LT) bare lines with Aerial Bundled (AB) Cables. AB Cables reduce energy losses and improve system efficiency by minimizing leakage and electrical losses during transmission.
2. **Feeder Bifurcation:** Feeder bifurcation refers to dividing a single large feeder into smaller segments. This helps in optimizing load distribution and reducing transmission losses. Each smaller feeder can be better managed, leading to improved energy efficiency.
3. **Consumers Smart Prepaid Metering:** Implementing smart prepaid meters for consumers enables better energy consumption management. Consumers can monitor their usage, make informed decisions, and control their energy consumption, which contributes to energy conservation.
4. **DTs Metering:** Distribution Transformers (DTs) metering involves installing meters at distribution transformers to monitor the energy flow at these points. This allows for better identification of losses and inefficiencies in the distribution system, leading to targeted energy-saving strategies.
5. **Feeders Metering:** Metering at various feeders in the distribution network helps in tracking energy flow and identifying areas with high losses. It aids in planning and implementing measures to optimize energy distribution and minimize wastage.
6. **Renovation of 66/11 KV Sub-station:** Upgrading or renovating sub-stations enhances their efficiency and reduces energy losses during voltage transformation. Improved sub-stations contribute to a more reliable and energy-efficient distribution network.
7. **Underground Cabling:** This measure involves replacing overhead power lines with underground cables. Underground cabling reduces transmission losses and energy theft while improving the aesthetics of the area. It also decreases susceptibility to weather-related disruptions.

These energy conservation measures collectively aim to enhance the efficiency, reliability, and sustainability of the energy distribution system, resulting in reduced energy losses and improved overall energy conservation.

6.7 Critical Analysis by the Energy Auditor

- The Quantum of inter-state transmission losses are 1434.51 (1434.51/70604 =2.03%).
- Quantum of intra-state transmission losses are 2277.592 (i.e. 2284.023/70604 = 3.2349%)
- Inter State losses Incl (BBMB+Intra state transmission losses) are (1434.506+2284.023 =3718.529) 5.27 %. Which is on higher side. and it has been observed that there might be a lack of comprehensive metering at various voltage levels. Enhanced metering infrastructure could provide a more precise assessment of these losses.
- The Sub Urban and Tarn Taran Circles experience the highest losses due to a large number of unmetered connections. More efforts are needed in these circles to ensure all connections are metered.
- Communicable Meters are available at 33kV as well as 11 kV, but the data of consumed units is manually fed to the system. There are good chance so manual errors. This data shall be automatically fetched from the software

- Installation of meters in un-metered agricultural connections. There are chances of power wastage due to un-metered connections.
- Energy input, export and sale details not available at each voltage level
- Installation of communicable meter outside the end user consumers premises (100% metering).
- Assessed energy (in MU) has not been reported in accounting sheet for consumers having defective meters. Even no such data of defective consumers are presented in the accounting sheet
- Ensure Communicable Meters (AMR/SMART) at the input of DT (Receiving end of 11 KV Feeders).
- Energy recording of meter should be time synchronized. This could be possible only with communicable meters, in which energy recording is time stamped by GPS clock inbuilt system. So manual recording and non-communicable meters may not be useful to prepare loss account of various feeders (66 KV, 33 KV & 11 KV) and DTs.Absence of communicable DT meters preventing PSPCL to identify the network where leakages, wastage is happening
- In order to match the total consumption by end user consumers with DT, there must be tagging of consumers with feeding DTs. Again, DTs must be tagged with 11 KV feeders. 11 KV Feeders must be tagged with Power Transformers. Power Transformers must be tagged with 66KV sub-Transmission lines. Each 66 KV line must be tagged with Grid Sub Station. Such arrangements are required to comply with the BEE norms of Network monitoring at various voltage levels and Feeder-wise.
- It is recommended to monitor the energy on the LT side of the transformer. This will help identify losses on the LT side and compare meter billing to detect theft or other losses. Currently, meters are installed at the transformer and billing site, but there is no process in place for collecting and analysing this data.
- Replace old distribution transformers (DTs) with new compact DTs.
- It is recommended to allow the installation of boundary meters at the 11 kV receiving point within the perimeter to accurately calculate the feeder wise losses.

7 Sampling-Based Field Measurement Study

Sample-Based Field Measurement Study:

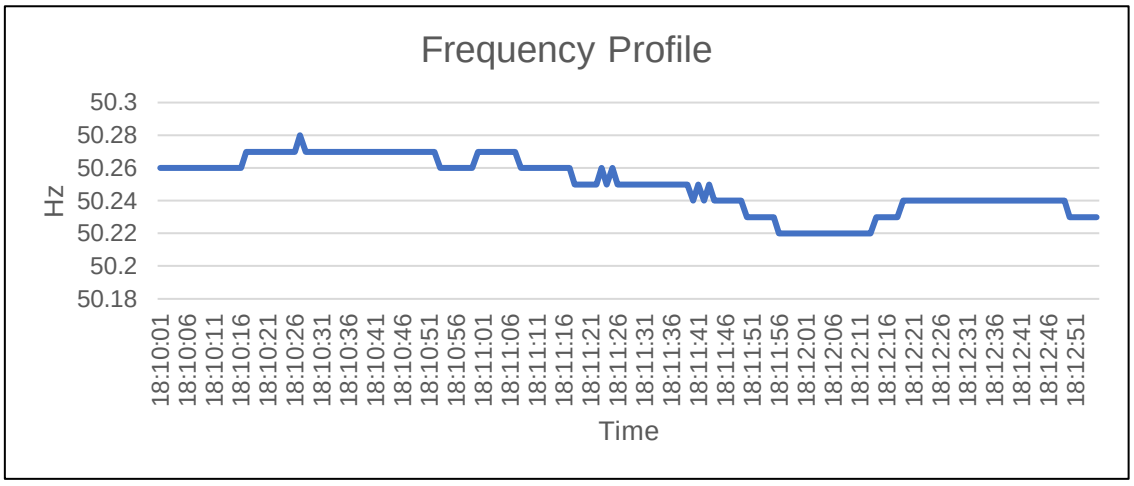
PSPCL Input Energy Meter Validation and Power Quality Assessment

Throughout the energy audit process, the team of Energy Auditors conducted a study involving field measurements at PSPCL. Within this study, the team undertook a sample-based approach. They specifically focused on assessing the accuracy of the Input Energy Meter by measuring the incomer feeder. Furthermore, a comprehensive analysis of the overall substation load and power quality was conducted.

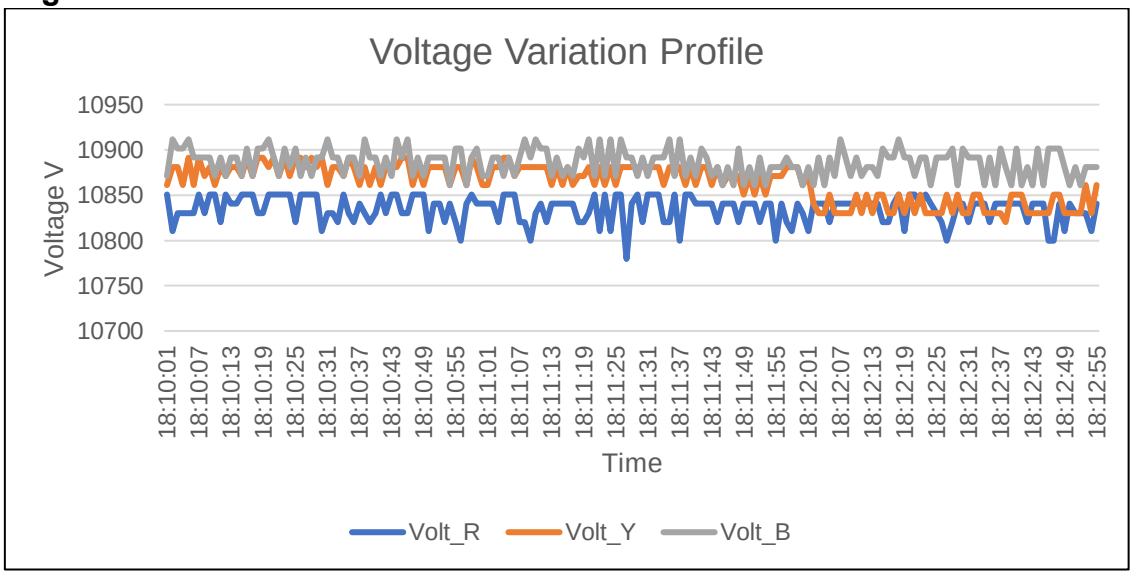
Using a three-phase power analyzer, the Energy Auditor team recorded critical electrical parameters and power quality indicators. These included measurements of frequency, voltage, current, kW, power factor, and the percentage of Total Harmonic Distortion (%THD) in both voltage and current. Notably, the data collected through this sample-based methodology has been organized in the subsequent table and graph. These visual representations pertain to the Ablowal 11KV Feeder.

7.1 ABLOWAL 11 KV FEEDER

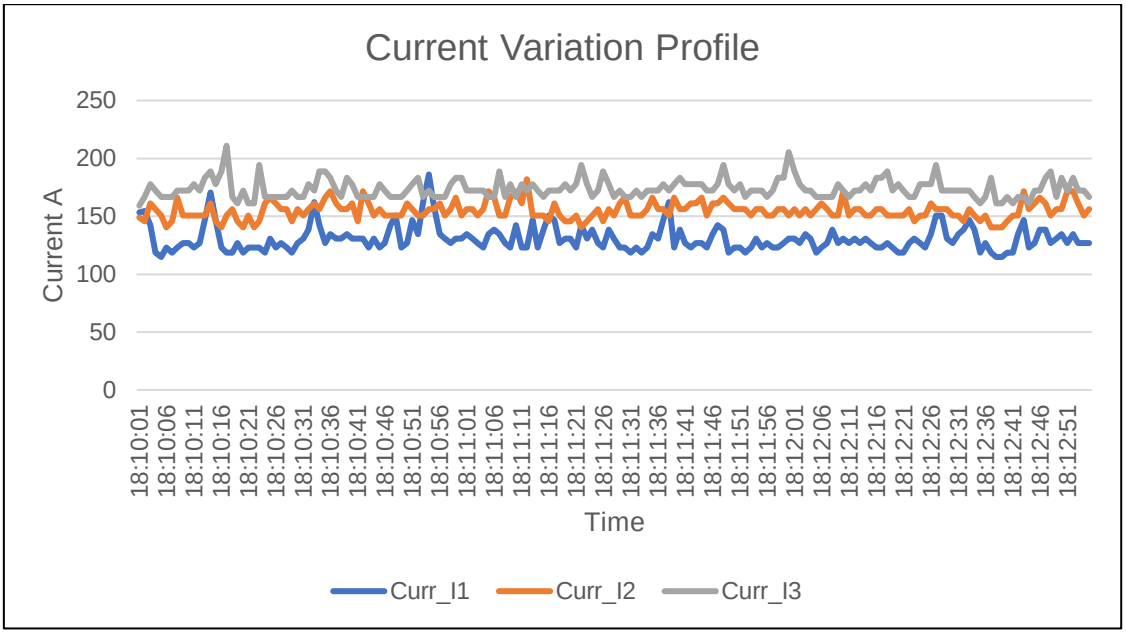
Frequency:



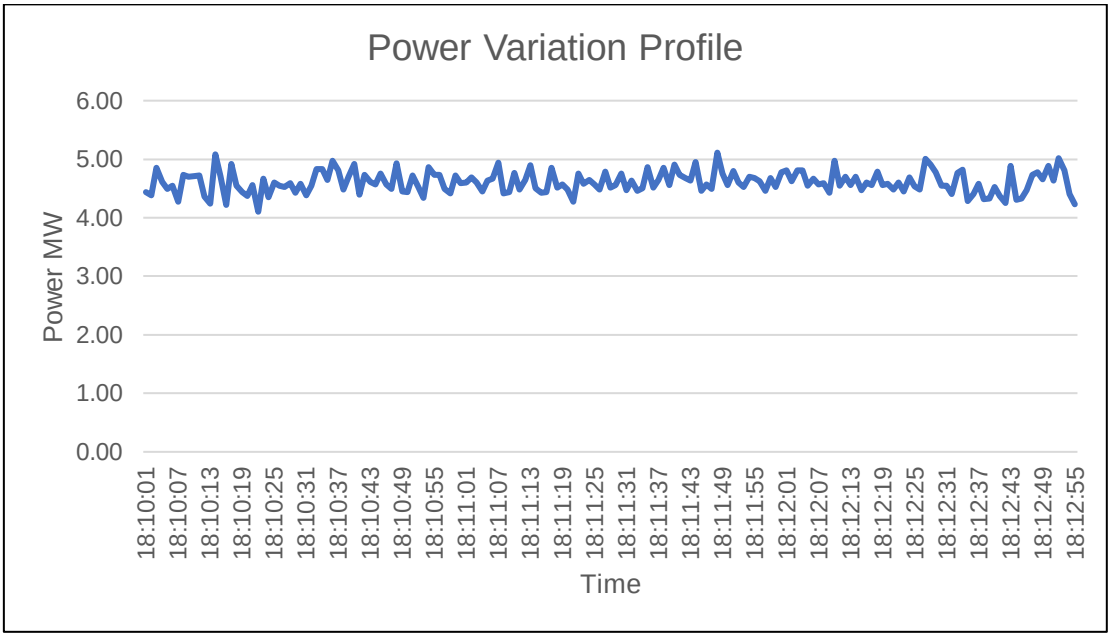
Voltage:



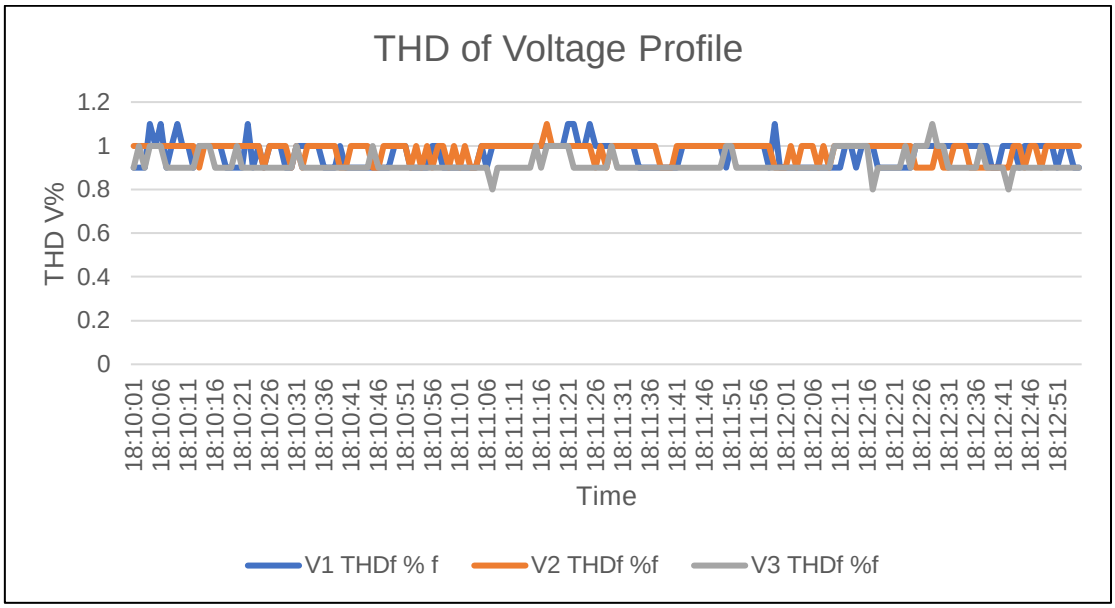
Current:

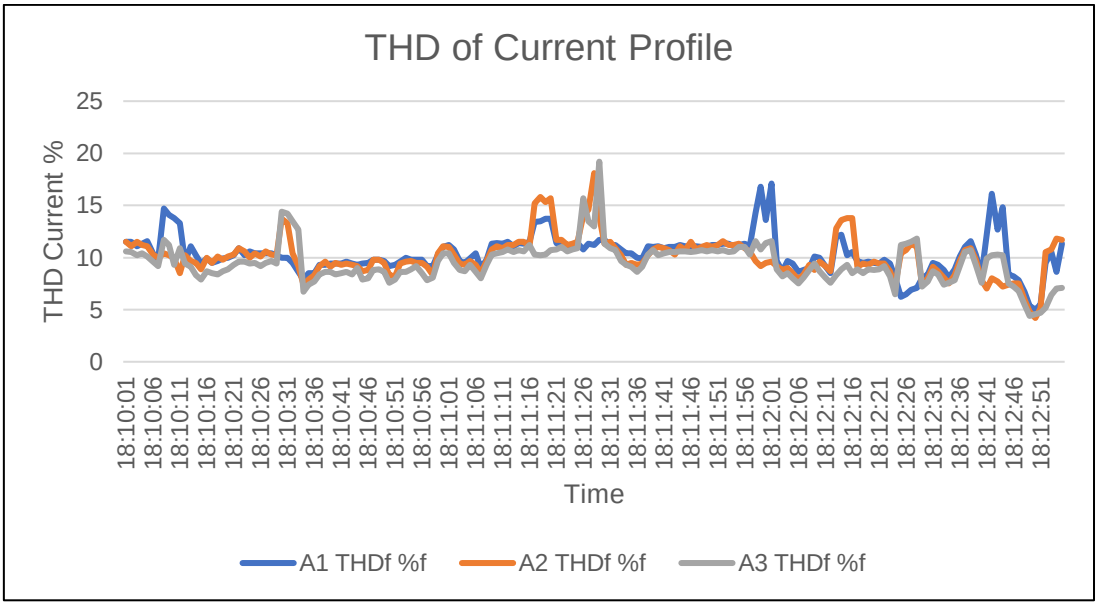


Power:



THD:


THD of Voltage Profile
THD V%
1.2
1
0.8
0.6
0.4
0.2
0
Time
V1 THDf % f
V2 THDf %f
V3 THDf %f


THD of Current Profile
THD Current %
25
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15
10
5
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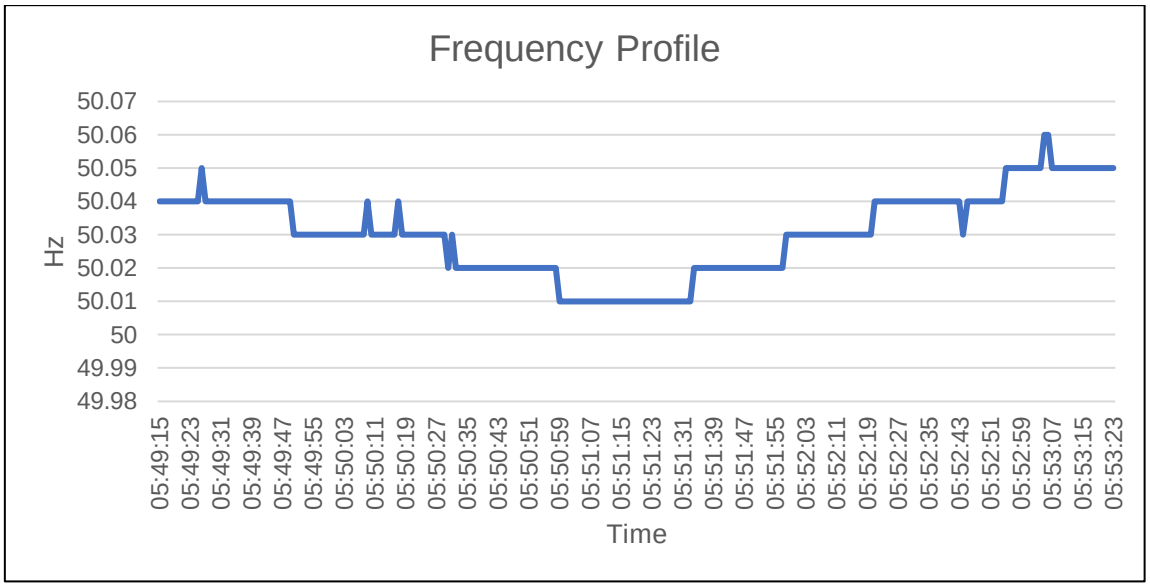
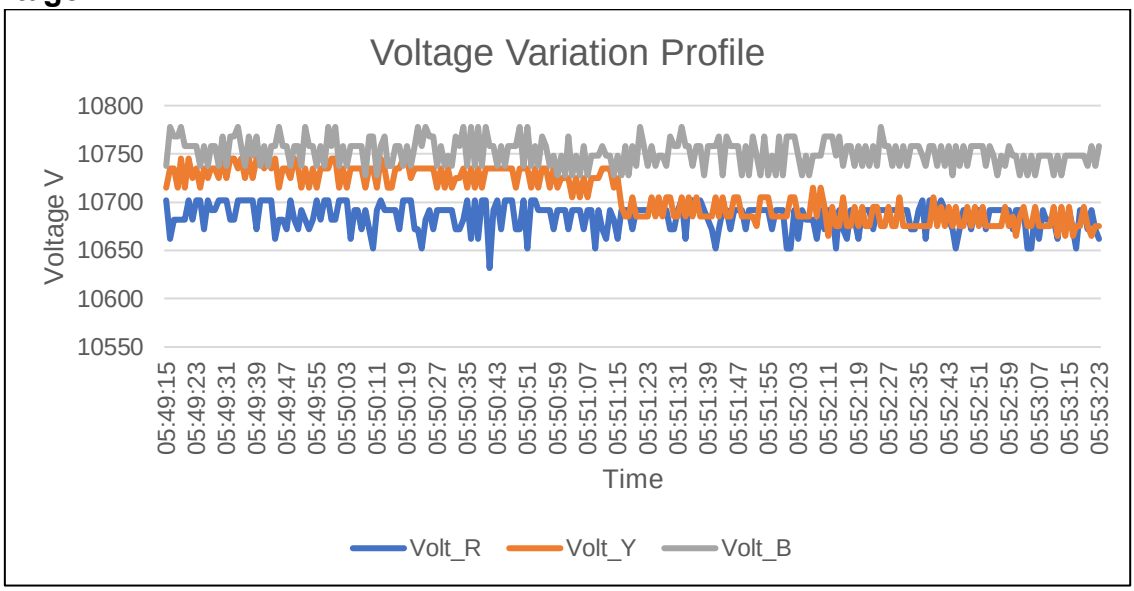
Time
A1 THDf %f
A2 THDf %f
A3 THDf %f

7.2 PREM NAGAR 11 KV FEEDER

Frequency:



Voltage:



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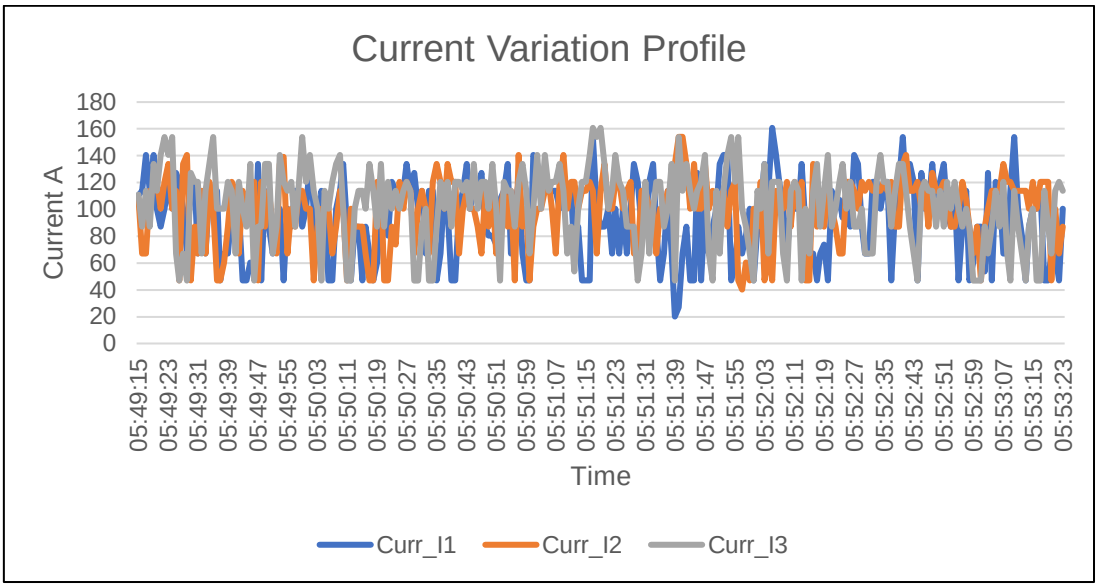
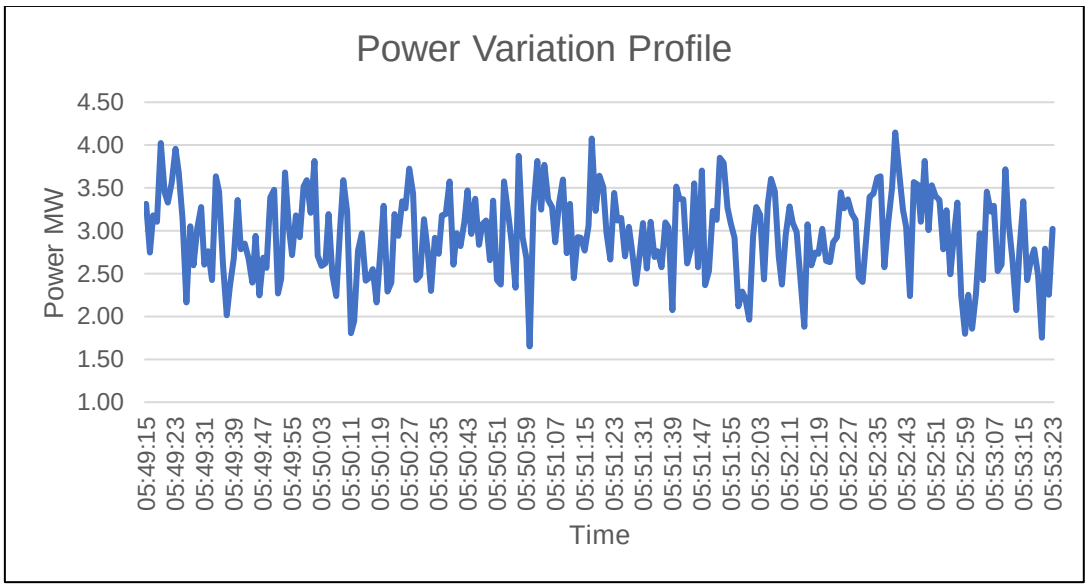
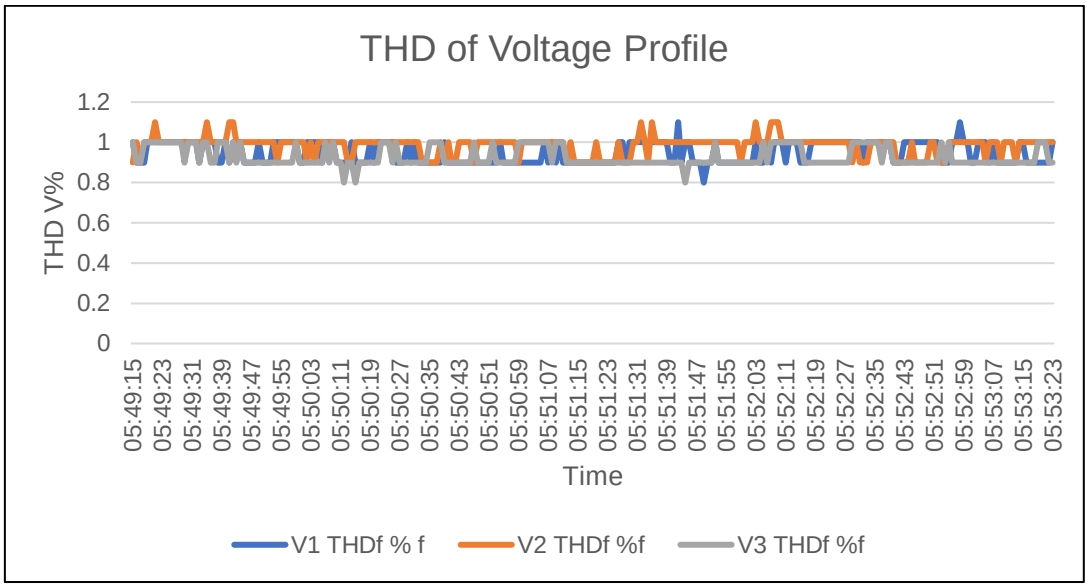


Power:



THD:


THD of Voltage Profile
THD V%
1.2
1
0.8
0.6
0.4
0.2
0
05:49:15
05:49:23
05:49:31
05:49:39
05:49:47
05:49:55
05:50:03
05:50:11
05:50:19
05:50:27
05:50:35
05:50:43
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05:51:23
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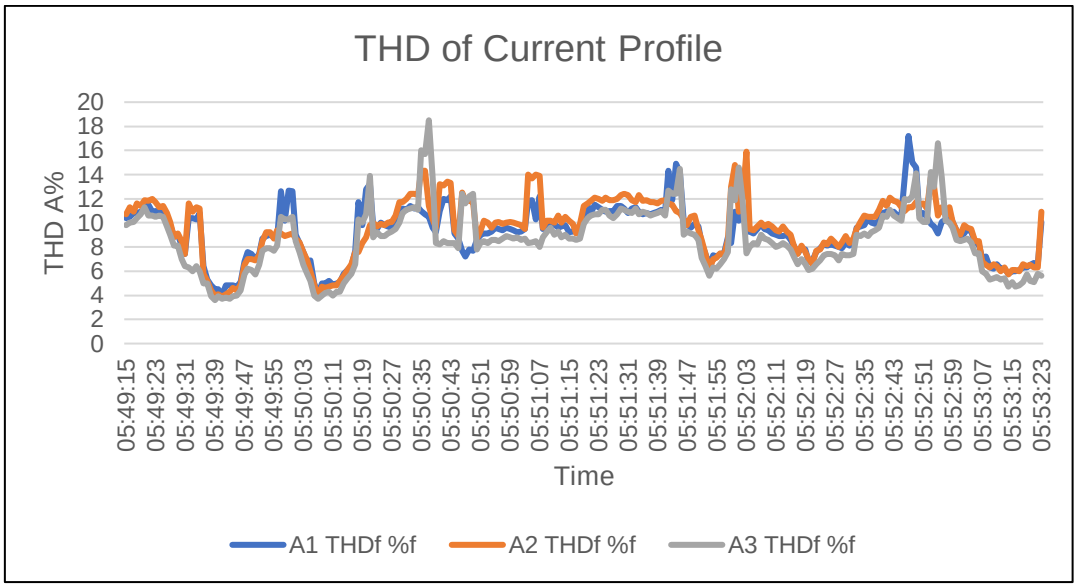
05:51:39
05:51:47
05:51:55
05:52:03
05:52:11
05:52:19
05:52:27
05:52:35
05:52:43
05:52:51
05:52:59
05:53:07
05:53:15
05:53:23
Time
V1 THDf % f
V2 THDf %f
V3 THDf %f


THD of Current Profile
THD A%
20
18
16
14
12
10
8
6
4
2
0
05:49:15
05:49:23
05:49:31
05:49:39
05:49:47
05:49:55
05:50:03
05:50:11
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05:52:51
05:52:59
05:53:07
05:53:15
05:53:23
Time
A1 THDf %f
A2 THDf %f
A3 THDf %f

8 Annexures

Annexure- I Introduction of Verification Firm/Team

Eco Energies is a leading solutions provider dedicated to addressing energy and efficiency challenges in today's dynamic and resource-intensive environments. Established in 2011, we specialize in optimizing processes, embracing automation, and enhancing energy management systems. With a commitment to sustainability, we have successfully assisted over 100+ satisfied clients across diverse industry sectors in India, offering tailored energy auditing and consulting services.

Team and Expertise:

Eco Energies boasts a dedicated team of management and technical professionals with diverse industrial experience. Our team includes lead auditors certified by the Bureau of Energy Efficiency (B.E.E.), Government of India, and the Association of Energy Engineers (A.E.E.), U.S.A. This blend of expertise allows us to deliver unparalleled consultancy and training services in both manufacturing and service industries.

Our Accreditations: -

Energy Log – Energy Monitoring System 2nd Prize in category as Most Innovative Energy Saving project of the year for 2021. The Power Minister of Haryana personally awarded the Cash Prize of INR 50,000 for this innovative Project.

- Bureau of Energy Efficiency empanelled Grade 2 Energy Service Company
- Accredited Energy Audit Firm of Bureau of Energy Efficiency
- Empanelled with Directorate of Energy Himachal Pradesh
- Team members have International Certification from Association of Energy Engineers, USA
- Team members are Accredited from Bureau of Energy Efficiency
- Empanelled with Power grid for Energy Efficiency Projects
- Empanelled with PCRA for Energy Efficiency Projects
- Empanelled with Gujarat Energy development Agency.
- Empanelled with Uttarakhand Energy Development Agency

Our Team member – Bali Singh has been awarded as Best Energy Engineer of the World for 2021 by AEE, USA

Audit Team:

Company	Team Member	Designation
Namdhari Eco Energies Pvt Ltd	BALI SINGH	ACCREDITED ENERGY AUDITOR AEA-206
	NEERAJ GAUR	CERTIFIED ENERGY AUDITOR (EA 28449) & DISOCM SECTOR EXPERT
	ASHISH KUMAR GUPTA	ENERGY CONSULTANT
	BUNTY PHUTELA	ENREGY ENGINEER

Annexure-II Minutes of Meeting with the DISCOM Team

MINUTES OF MEETING		
PSPCL	Punjab State Power Corporation Limited (PSPCL) Shed No B3, DSM, Shakti Vihar, Patiala, Punjab 147001	Date: 07th June 2024
	Namdhari Eco Energies Pvt Ltd. Greater Noida	Revision: NA

Topic	Annual Energy Audit of PSPCL for FY 2023-24				
Meeting Details					
Date	7th June 2024	Time	06 PM	Venue	Punjab State Power Corporation Limited (PSPCL) Shed No B3, DSM, Shakti Vihar, Patiala
Punjab State Power Corporation Limited (PSPCL)	1. Er. Saleem Mohammad (SE- DSM) 2. Er. Harpreet Singh Sandhu (ASE-DSM) 3. Er.Ravi Verma (ASE/UA (O) cum Energy Manager)			4. Er.Bhupinder Singh (AEE) 5. Er. Bikram Sharma (AE)	
Consultant Team	1. Mr. Bali Singh (Accredited Energy Auditor) 2. Mr. Neeraj Gaur (Certified Energy Auditor & Discom Sector Expert) 3. Mr. Bunty Phutela (Energy Engineer)				

Agenda: The meeting was convened to discuss the findings of the Annual Energy Audit conducted by Namdhari Eco Energies Pvt Ltd for PSPCL Noida. The audit covered the various data points and measurements as outlined in the agenda.

Meeting Minutes:

1. Introduction: The meeting commenced with introductions to all attendees and a brief overview of the purpose of the Annual Energy Audit.
2. Data Provided by PSPCL: The Consultant, Namdhari Eco Energies Pvt Ltd, confirmed that PSPCL had provided the necessary data in the Annual Energy Accounting Form for the audit.
3. Verification of Energy and Losses: The Consultant verified the purchased energy, billed energy, transmission losses, billed amount, collected amount, and AT&C loss. These figures were cross-checked against the data provided by PSPCL.
4. Verification of Consumer Data: The Consultant verified the category-wise number of consumers, connected load, and billed energy. The data was reviewed for accuracy and consistency.
5. Infrastructure Details: The Consultant examined the infrastructure details, including the number of grid substations, power substations, and DT substations, as well as the number of voltage-wise feeders. This information was validated during the audit.
6. Field Measurements at Incoming Feeders (66kV Level): Sample field measurements were conducted from 6th June to 7th June. It was conducted on incoming feeders for both sending and receiving sides to assess the accuracy of meters, energy readings, and losses.
7. Field Measurements at Outgoing Feeders (11kV Level): Sample field measurements were conducted from 6th June to 7th June.
8. Physical Meter Verification: Physical meter verification was performed to confirm the precision of the meters used in the energy accounting process.
9. Data Collection Completion: The Consultant confirmed that all the necessary data, as required in the Annual Energy Accounting Form, had been successfully collected. Additionally, sample measurements and verifications were completed during the audit.

Closing Remarks: The meeting concluded on a positive note, with both parties expressing their appreciation for each other's cooperation during the audit process. The Consultant assured PSPCL that having collected the relevent data the company assures timely completion of the Audit exercise.

Signed on behalf (PSPCL)		Signed on behalf of Namdhari Eco Energies Pvt Ltd	
Name	Signature & Date	Name	Signature & Date
Er. Saleem Mohammad SE/DSM	7/6/24	Bali Singh	7/6/24
Er. Ravi Verma	07/06/24	Neeraj Gaur	07/06/24
Er. Bhupinder Singh AEE	07/06/24	Bunty Phutela	7/06/24
Er. Bikram Sheokand AE	7/6/24		
Er. Harpreet Raj Singh Sandhu	7/6/24		

Annexure-III Check List Prepared by Auditing Firm

Sr. No.	Particulars	Data Provided by PSPCL	Remarks
1.	Annual Performance review data for the FY 2022-24 (April 2023 to March 2024)	Detailed Energy accounting FY2023-24	Internal data Base & Calculation Sheet
2.	Details of purchased energy	Power purchase bills documents, energy accounts, Audit statement, tariff petition	Bills to PSPCL
3.	Transmission loss %	Calculation of transmission loss viz difference in total energy purchased and total energy drawl at distribution periphery.	Based on Generator bills and Implementation Schedule
4.	Transmission loss in (MU) Energy sold outside the periphery, Open access sale, EHT Sale	Energy accounting statements	Statement and as per formula mentioned in the BEE forma
5.	Net input energy (received at DISCOM periphery, after adjustment) in MU	Internal data base	A per Internal data base
6.	Energy input details meter wise, with other mentioned details	Statements, MIS Database	As per Internal data base
7.	Summary of Circle wise Loss Number of metered consumers and connected load, category wise of each circle Number of un-metered consumers and connected load, category wise of each circle	Statements, MIS Database	As per Internal data base
8.	Circle wise input Energy for billed meter energy and billed unmetered energy	Meter logs through which input energy of circle was computed.	As per Internal data base

Annexure- IV Brief Approach, Scope & Methodology for Audit

The Scope of Work for the detailed energy audit is as per following:

1. Visit to DISCOM office and discussion with DISCOM officials and management on Energy Audit (Accounting), Energy Efficiency and Energy Management.

2. Verification of details of category wise nos. of consumer and their annual energy consumption (Domestic, Industrial, Commercial, Agricultural and Municipalities)

3. Verification of details of category wise nos. of consumer and their annual energy consumption (LT, HT, EHT, Unmetered connections)

4. Verification of details of nos. of connections, nos. of disconnections, connected load and % of total connected load, energy billed, Net Input energy, Power Factor, Total Supply Hour, Scheduled outage, scheduled supply hours, Unscheduled Outage, Available Supply Hours.

5. Verification of details of Feeders by consumer class of categories (Domestic, Industrial, Commercial, Agricultural and Municipalities)

6. Verification of Metered Energy Sales

7. Verification of Unmetered Energy Sales

8. Estimation of unaccounted energy / theft

9. Verification of Total Energy Billed, Amount billed, Gross Amount Collected, Arrears Collected, subsidy received from state and central government.

10. Verification of Average Billing Rate (ABR)

11. Total revenue billed categories wise & Consumption wise

12. Categories wise & Consumption wise ABR with tariff subsidy

13. Categories wise & Consumption wise ABR without tariff subsidy

14. Verification of T & D Loss

15. Verification of collection Efficiency (Categories Wise)

16. Verification of Billing Efficiency (Categories Wise)

17. Verification of Transmission and Distribution Losses

18. Verification of AT &C Losses

19. Analysis of T &D Losses, AT & C Losses

20. Review of the energy losses data (AT & C & T&D) of last 3 years with the authenticated documents.

21. Verification of detailed calculation methodology adopted by DISCOMs for calculating AT & C and T &D loss.

22. Study of Loss Reduction measures undertaken by DISCOM.

23. Study of Demand Side Management undertaken by DISCOM

24. Identification of a power sub-station at 66kV/33kV level having input energy injection points and 11kV/440V transformers for verification of the status of energy metering along with their healthiness of incoming / outgoing feeders at 66kV, 33 kV and 11 kV and DTRs at field for sample study.

25. Carrying out field study to ascertain the status of consumer metering, type and healthiness for various categories of consumers, meter calibration frequency bands the time taken for replacement of faulty meters.

26. Verification of energy sales (metered and unmetered) in the distribution network area of identified power sub-station.
27. Computation of losses:
    a) Above 11 kV level:
    - ✓ Computation of grid losses by using grid balancing approach.
    - ✓ Verification of the healthiness and life of Power transformer.
    - ✓ Computation of energy handled and power transformer losses at each voltage level (like 66/33, 33/11, 66/11).

    b) At 11 kV level:
    - ✓ Computation feeder wise losses of all 11kV feeders emanating from identified power substation.

c. Below 11 kV level:

- ✓ Calculation of DT transformation losses.
- ✓ Verification the healthiness and life of distribution transformer.
- ✓ Computation LT losses (DT wise) under the distribution network of identified power substation.

28. Evaluation of existing Energy Management policy, Energy Management systems.

29. Providing recommendation to reduce T&D loss, AT & C Losses, furnishing details of energy saving measures, investment to be made and cost benefit analysis of each recommended energy savings measures.

30. Identification of cost-effective energy saving opportunities in short, medium & long term.

31. Development of an action plan for time bound implementation activities.

32. Based on the above study the draft detailed energy audit report is prepared and submitted for review of the management. After receipt of necessary observation, the draft report shall be modified, and final report shall be submitted to the management.

33. The Detailed Energy Audit and report preparation has been carried out in accordance with provision of "The Bureau of Energy Efficiency (Manner and Intervals of Time for conduct of Energy Audit) Regulations, 2010" and its amendment from time to time and based on revised scope of work as prescribed by BEE.

Methodology:

The following step by step methodology and approach were adopted to carry out the detailed energy audit of PSPCL Utility:

A. Informing Management:
   - The energy audit team informed the management of PSPCL about the planned visit for conducting the energy audit.

B. Pre-Audit Meeting:
   - A meeting was held with concerned PSPCL officials to explain the significance of the energy audit for Designated Consumers (DCs) and to outline the procedure for the audit work.

C. System Familiarization:
   - A representative from PSPCL accompanied the energy audit team to different sections, including MIS (Management Information System), MRT (Meter Reading & Testing), ABT (Availability Based Tariff) cell, and Energy Audit section. This allowed the team to familiarize themselves with the systems and collect technical and financial information Data Collection:
   - The energy audit team collected data through discussions with Technical and Commercial in-charges of PSPCL and from past Management Information System (MIS) records.

D. Utility Infrastructure Details:
   - The details of divisions, sub-divisions, sections, assets list, and network configurations (e.g., 220/132/33 KV and 11 KV networks) were collected.

E. Consumer and Energy Consumption Details:
   - Information related to the number of consumers in various categories (Domestic, Industrial, Commercial, Agricultural, and Municipalities) with their annual energy consumption (Low Tension (LT), High Tension (HT), Extra High Tension (EHT), Unmetered connections) was gathered.

F. Supply and Billing Data:
   - Various supply-related data, billing information, net input energy, power factor, supply hours, outage details, and metered/unmetered energy sales were collected.

G. Metering and Power Loss Analysis:
   - Measurement was carried out at sample basis to analyze power loss and unaccounted energy at 33 KV and 11 KV meter points.

H. Billing Efficiency and Collection Efficiency Calculation:
   - Category-wise billing efficiency and collection efficiency were calculated based on the data from the last three financial years.

I. Loss Analysis:
   - T&D (Transmission and Distribution) losses and AT&C (Aggregate Technical and Commercial) losses for the last three financial years were calculated.

J. Demand Side Management and Loss Reduction Measures:
   - The energy audit team studied the demand-side management and loss reduction measures undertaken by PSPCL Utility.

K. Energy Management Policy and Conservation Options:

- The existing Energy Management policy and systems were evaluated, and energy conservation options to reduce T&D and AT&C losses were identified and prioritized.

L. Draft Energy Audit Report:
- A draft soft copy of the energy audit report, containing observations, recommendations, financial justifications, and vendor support data, was prepared and submitted to PSPCL for acceptance.

M. Final Report Submission:
- After PSPCL accepts the draft energy audit report, the final energy audit report will be submitted to the management of PSPCL.

The energy audit is crucial in identifying areas for improvement, optimizing energy consumption, reducing losses, and enhancing overall energy efficiency for PSPCL.

Annexure- V Infrastructure Details

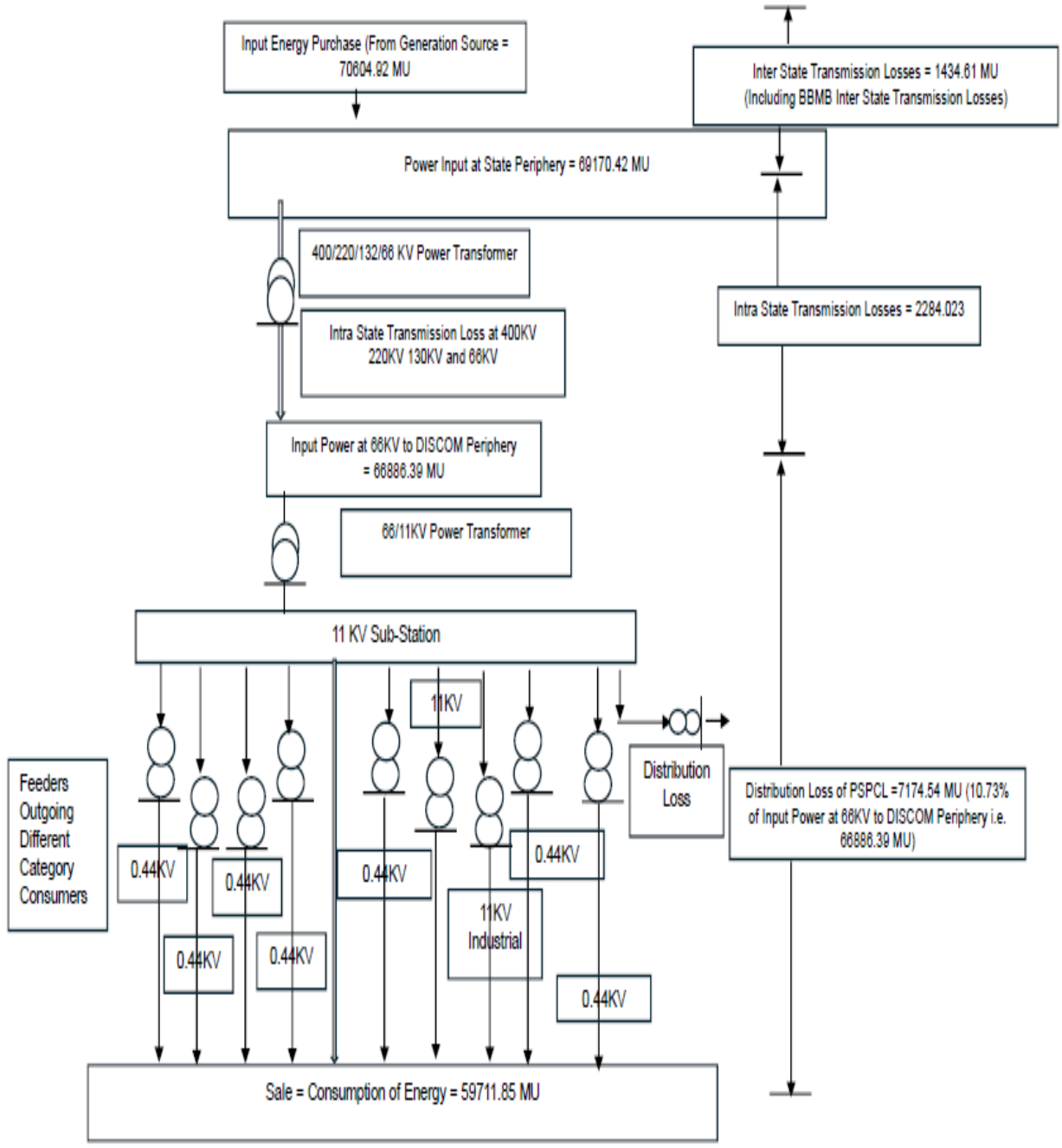
Sr. No.	Parameters	Total	Remarks (Source of data)
i	Number of circles	21	CE/Planning
ii	Number of divisions	104	CE/Planning
iii	Number of sub-divisions	508	CE/Planning
iv	Number of feeders	13441	Director/D Reports link
v	Number of DTs	1284607	Director/D Reports link
vi	Number of consumers	10741902	CE/Planning

Performance of Electricity Distribution of PSPCL			
1	Period of Information Year of (FY) information including Date and Month (Start & End)	1st April 2023 to 31st March 2024	
2	**Technical Details**		
(a)	**Energy Input Details**		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	70604.92
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	66886.39
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	59711.85
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	7174.54
		%	10.73%
	Collection Efficiency	%	100.00%
(c)	Aggregate Technical & Commercial Loss	%	10.73%

DISCOM Distribution Losses

Annexure- VI Electrical Distribution System

PSPCL Single Line Diagram



Annexure- VII Category Wise Service Details

Period From Apr'23 To Mar'24						
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	EHT/HT/LT	400/220/66/33/11/LT	7928679	17905.91	
2.	Commercial	EHT/HT/LT	400/220/66/11/LT	1257777	4681.72	
3.	IP Sets					
4.	Hor. & Nur. & Coffee/Tea & Rubber (Metered)	NA	NA			
5.	Hor. & Nur. & Coffee/Tea & Rubber (Flat)	NA	NA			
6.	Heating and Motive Power	NA	NA			
7.	Water Supply			15906		Consumption taken in Category in which it falls.
8.	Public Lighting	LT	LT	5808	59.711	
9.	HT Water Supply			220		Consumption taken in Category in which it falls.
10.	HT Industrial	EHT/HT/LT	400/132/66/11	15772	18732.31	
11.	Industrial (Small)			96506	1136.18	
12.	Industrial (Medium)			29435	2361.46	
13.	HT Commercial	EHT/HT/LT	400/220/66/33/11/LT			
14.	Applicable to Government Hospitals & Hospitals					
15.	Lift Irrigation Schemes/Lift Irrigation Societies					
16.	HT Res. Apartments Applicable to all areas					

Period From Apr'23 To Mar'24						
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)**
17.	Mixed Load					
18.	Government offices and department					
19.	Others-1 (if any , specify in remarks)	Agricultural power	LT	1391193	12797.33	
20.	Others-2 (if any , specify in remarks)	Railway Traction	400/132	6	137.49	
21.	Others-3 (if any , specify in remarks)	Bulk Supply	LT/11/33	544	705.05	
22.	Others-4 (if any , specify in remarks)	others (AP High Technology, Waste management & charitable hospitals)		56		Consumption taken in Category in which it falls.
23.	"Theft Units, Short Assesment, Unbilled Revenue (Eq.Units)				418.69	
24.	Misc. Adustment to match with sale as taken by Planning Organisation due to Temporary Supply, Night Supply ,Non operation Sale etc.				776.005	
Total				**10741902**	**59711.85**	

Annexure- X List of Documents Verified with Each Parameter

Sr. No.	Particulars	Verified (YES/No)
1.	Annual Performance review data for FY 2023-24	Yes
2.	Sector-specific Pro-forma submitted to BEE & baseline values	Yes
3.	Quarterly Energy Accounting Reports FY 2023-24	Yes
4.	Mandatory Energy Audit report	Yes
5.	Energy Purchased Documents for April 2023 to March 2024	Yes
6.	Metered energy	Yes
7.	Open access document wherever applicable	Yes
8.	Division wise assets List/Fact sheet of whole DISCOM	Yes
9.	Circle wise Connected Load	Yes
10.	Division wise consumer list of whole DISCOM	Yes
11.	Category wise Metered connection	Yes
12.	Feeder wise Electricity import (MU)	Yes
13.	Details of various schemes and energy-saving projects	Yes
14.	Energy Policy	Yes
15.	Description of Energy Management / Monitoring system adopted	Yes
16.	Overall energy management committee structure	Yes
17.	Team details: roles and responsibilities	Yes
18.	Frequency of meeting / minutes of meeting	Yes
19.	Major challenges faced by the DC in reducing T & D Loss	Yes

Annexure- XI List of Parameters Arrived Through Calculation or Formula with List of Documents as Source of Data

S.No.	Data	Unit	Sources of Data
1.	Input Energy Purchased	MUs	Power Purchase bills of PSPCL
2.	Transmission Loss	%	Based on Generator bills and Implementation Schedule
3.	Energy sold outside the periphery	MUs	Internal Database and Calculated
4.	Open access sale	MUs	Internal Database and Calculated
5.	EHT sale	MUs	Internal Database and Calculated
6.	Power Transmission Details	MUs	Internal Database
7.	% of metering available at DT	%	Internal Database
8.	% of metering available at consumer end	%	Internal Database
9.	No of feeders at 66kV voltage level	Nos.	Internal Database
10.	No of feeders at 33kV voltage level	Nos.	Internal Database
11.	No of feeders at 11kV voltage level	Nos.	Internal Database
12.	No of LT feeders' level	Nos.	Internal Database
13.	Line length (ckt. km) at 66kV voltage level	Km	Internal Database
14.	Line length (ckt. km) at 33kV voltage level	Km	Internal Database
15.	Line length (ckt. km) at 11kV voltage level	Km	Internal Database
16.	Line length (km) at LT level	Km	Internal Database
17.	HT/LT ratio		Internal Database
18.	Feeder wise Import & Export Energy	MUs	Internal Database
19.	Nos. of Consumers	Nos.	Internal Database
20.	Connected Load of Consumers	MW	Internal Database
21.	Input Energy	MUs	Internal Database
22.	Consumer wise Billed Energy		Internal Database
23.	T&D Loss	MUs	Internal Database and Calculated
24.	T&D Loss %	%	Internal Database and Calculated
25.	Feeder meters accuracy and error		Document based Calibration reports

Power Purchase FY 2023-24

FY 2023-24 Power Purchased		Energy Schedule Sr.No.
Long-Term Conventional	26788.68	2.1+4.9+5.1-NPL-TSPL-GVK-Bundled Solar of NTPC,SECI,NVVN
Medium Conventional (unscheduled Intercha	-741.37	Unscheduled Interchange(8+9)
Short Term Conventional	6272.19	Total Short Term(5.2)-NRSE Power
Banking	-823.65	(. 6.5)
Long-Term Renewable energy	3665.25	Bundled Solar of NTPC,SECI,NVVN
Medium and Short-Term RE	0.00	NRSE Power
Captive, open access input		
Sale of surplus power	-1424.44	(. 13.2+14+15+16+17)
Quantum of inter-state transmission loss	1434.51	(2.2+11)
Power procured from inter-state sources	33736.66	TOTAL
Power at state transmission boundary	32302.15	TOTAL-Inter state Loss
Long-Term Conventional	34605.74	Own Generation(1.7)+NPL+TSPL+GVK
Medium Conventional	NA	
Short Term Conventional	NA	
Banking	NA	
Long-Term Renewable energy	2028.10	NRSE+PEDA(7)- (33 KV,11KV)
Medium and Short-Term RE		
Captive, open access input		
Sale of surplus power		
Quantum of intra-state transmission loss	2284.02	Power at PSPCL-Input Inergy (PSTCL losses+Sub transmission Losses)
Power procured from intra-state sources	36633.84	Total
Input in DISCOM wires network	66651.97	Grand Total- Intra state losses
Renewable Energy Procurement	0.00	33 KV 9Sr.No.7)
Small capacity conventional/ biomass/ hydro	0.00	
Captive, open access input	0.00	
Renewable Energy Procurement	234.42	11 KV (Sr.No.7)
Small capacity conventional/ biomass/ hydro	0.00	
Sales Migration Input		
Renewable Energy Procurement		
Sales Migration Input		
Energy Embedded within DISCOM wires netw	234.42	
Total Energy Available/ Input	66886.39	

Govt. Tariff Subsidy

PUNJAB STATE POWER CORPORATION LTD.
(Regd. Office: PSEB Head Office, The Mall, Patiala)
OFFICE OF CHIEF ENGINEER /COMMERCIAL (SE/SALES-II)
Tel. No. 0175-2214495, Fax: 0175- 2210320, e-mail: seasalesnwo@gmail.com,
Website: www.pspcl.in, CIN: U40109PB2010SGC033813, Registration Number: 33813

Commercial Circular No. 16 /2023

To

All Engineer-in-Chief/Chief Engineers (DS),
Under Punjab State Power Corporation Limited.

Memo No.**277-281/T.O 2023-24** Dated: **16.05.2023**

Subject: **Tariff structure for FY 2023-24 as per Tariff order issued by Hon'ble PSERC vide its order dated 15.05.2023 applicable w.e.f. 16.05.2023.**

Hon'ble PSERC vide its order dated 15.05.2023 against Petition no. 74 of 2022 filed by PSPCL for True-Up of F.Y. 2021-22, Annual Performance Review for FY 2022-23, Approval of Revised ARR and determination of Tariff for F.Y. 2023-24, has issued the Tariff Order for FY 2023-24. The revised tariffs will be applicable from 16.05.2023 to 31.03.2024, except where specified otherwise in Tariff Order for FY 2023-24. For the period from 01.04.2023 and up to 15.05.2023, Tariff shall remain as per Tariff Order for FY 2022-23 as already intimated vide CC No. 11/2023 dated 31.03.2023.

The rates of power supply applicable to various categories of consumers as per Table 7.2 of Tariff Order for FY 2023-24 is enclosed herewith (**Annexure-A**). Free power/subsidized tariff shall be applicable to various categories of consumers as per GoP letter no. 13/01/2023-PE2/1947 dated 31.03.2023.

Meticulous compliance of this circular be ensured. This circular can be downloaded from PSPCL website www.pspcl.in.

This issues with the approval of competent authority.

DA/As Above

Dy.CE/Sales-II
PSPCL, Patiala.

Page 1 of 6

ਪਿੱਠ ਅੰਕਣ ਨੰ: **282-324/T.O 2023-24** ਮਿਤੀ: 16.05.2023

ਉਪਰੋਕਤ ਦਾ ਉਤਾਰਾ ਹੇਠ ਲਿਖਿਆਂ ਨੂੰ ਸੂਚਨਾ ਤੇ ਲੋੜੀਂਦੀ ਕਾਰਵਾਈ ਲਈ ਭੇਜਿਆ ਜਾਦਾ ਹੈ:

1. ਮਾਨਯੋਗ ਬਿਜਲੀ ਮੰਤਰੀ, ਕਮਰਾ ਨੰ24 ., 7ਾਮੰਜਿਲ, ਪੰਜਾਬ ਸਿਵਲ ਸਕੱਤਰੇਤ1-, ਚੰਡੀਗੜ੍ਹ ।
2. ਚੇਅਰਮੈਨ-ਕਮ-ਮੈਨੇਜਿੰਗ ਡਾਇਰੈਕਟਰ,ਪੰ:ਰਾ:ਪਾ:ਕਾ:ਲਿਮ.,ਪਟਿਆਲਾ।
3. ਸਾਰੇ ਨਿਰਦੇਸ਼ਕ, ਪੰ:ਰਾ:ਪਾ:ਕਾ:ਲਿਮ.,ਪਟਿਆਲਾ।
4. ਵਿੱਤ ਕਮਿਸ਼ਨਰ/ਫਾਇਨੈਂਸ ਟੂ ਗੌਵਰਮਿੰਟ ਪੰਜਾਬ ਐਕਸ-ਆਫਿਸੋ ਮੈਂਬਰ, ਪੰ:ਰਾ:ਪਾ:ਕਾ:ਲਿਮ.,ਪਟਿਆਲਾ।
5. ਸਕੱਤਰ /ਬਿਜਲੀ ਵਿਭਾਗ,ਪੰਜਾਬ ਸਰਕਾਰ,ਚੰਡੀਗੜ੍ਹ।
6. ਸਕੱਤਰ/ਪੰਜਾਬ ਸਰਕਾਰ/ਇੰਡ: ਅਤੇ ਕਾਮਰਸ ਵਿਭਾਗ,ਪੰਜਾਬ ਸਰਕਾਰ,ਚੰਡੀਗੜ੍ਹ।
7. ਸਕੱਤਰ/ਪੰਜਾਬ ਰਾਜ ਬਿਜਲੀ ਰੈਗੂਲੇਟਰੀ ਕਮਿਸ਼ਨ, ਸਾਇਟ ਨੰ: 03, ਸੈਕਟਰ-18 ਏ, ਮੱਧ ਮਾਰਗ ਚੰਡੀਗੜ੍ਹ।
8. ਪ੍ਰੋਜੈਕਟ,ਸਟੇਟ ਡਿਸਪਿਊਟ ਰਿਡਰੈਸਲ ਕਮਿਸ਼ਨ (ਪੰਜਾਬ) ਐਸ.ਸੀ.ਓ ਨੰ: 3009-10, ਸੈਕਟਰ-22, ਚੰਡੀਗੜ੍ਹ।
9. ਮੁੱਖ ਇੰਜੀਨੀਅਰ/ਚੇਅਰਮੈਨ(ਫੋਰਮ),220 ਕੇ.ਵੀ. ਸਬ-ਸਟੇਸ਼ਨ, ਫਿਰੋਜਪੁਰ ਰੋਡ, ਸਾਹਮਣੇ ਵੇਰਕਾ ਮਿਲਕ ਪਲਾਂਟ ਲੁਧਿਆਣਾ ,।
10. Ombudsman, Electricity Punjab 66 KV Grid Sub Station,Plot No. A-2, Industrial Area,Phase 1, SAS Nagar (Mohali) -160055.
11. ਨਿੱਜੀ ਸਕੱਤਰ ਟੂ ਬਿਜਲੀ ਮੰਤਰੀ, ਪੰਜਾਬ ਸਿਵਲ ਸਕੱਤਰੇਤ, ਪੰਜਾਬ, ਸਰਕਾਰ,ਚੰਡੀਗੜ੍ਹ।
12. ਚੀਫ-ਏ-ਆਰਡੀਨੇਟਰ, ਉਦਯੋਗ ਸਹਾਇਕ ਡਾਇਰੈਕਟਰ ਆਫ ਇੰਡੀਸਟਰੀਜ਼ ਪੰਜਾਬ ਸੈਕਟਰ-17, ਚੰਡੀਗੜ੍ਹ।
13. ਮੁੱਖ ਬਿਜਲੀ ਇੰਸਪੈਕਟਰ, ਪੰਜਾਬ ਸਰਕਾਰ, ਪਟਿਆਲਾ।
14. Finance Advisor, PSPCL, Patiala.
15. Chief Auditor, PSPCL, Patiala.
16. CE/ARR &TR, PSPCL, Patiala.
17. CE/PP&R, PSPCL, Patiala.
18. CE/IT, PSPCL, Patiala: For ensuring the strict compliance of the instructions.
19. Dy.CE, Billing, PSPCL, Patiala: For ensuring the strict compliance of the instructions.
20. ਉਪ ਮੁੱਖ ਇੰਜ:/ਸੋਲਜ਼-1,ਨਿਗਰਾਨ ਇੰਜ:/ਸੋਲਜ਼-2,ਉਪ ਮੁੱਖ ਇੰਜ:/ਰੈਗੂਲੇਸ਼ਨ ਪੰ:ਰਾ:ਪਾ:ਕਾ:ਲਿਮ. ਪਟਿਆਲਾ।
21. All Addl.SEs/Sr.Xens/AEEs/Sales under PSPCL / Commercial Organization.
22. CAO/TR (Finance), PSPCL, Patiala.

Sr. Xen/Sales-III
PSPCL, Patiala.

ANNEXURE-A

Revised Tariff for FY 2023-24 applicable from 16.05.2023 to 31.03.2024

(Rs)

Sr. No.	Category			Existing Tariff for FY 2022-23 (01.04.2022 to 31.03.2023) continued from 01.04.2023 to 15.05.2023		New Tariff w.e.f. 16.05.2023 to 31.03.2024	
				*Fixed Charges per Month	**Energy Charges	*Fixed Charges per Month	**Energy Charges
I	II			III	IV	V	VI
A	PERMANENT SUPPLY						
1	Domestic Supply	Upto 2 kW	0- 100 kWh	25/kW	3.40/kWh	50/kW	4.35/kWh
			101 - 300 kWh		5.84/kWh		6.64/kWh
			Above 300 kWh		7.30/kWh		7.75/kWh
		Above 2 kW & upto 7 kW	0- 100 kWh	40/kW	3.74/kWh	75/kW	4.65/kWh
			101 - 300 kWh		5.84/kWh		6.64/kWh
			Above 300 kWh		7.30/kWh		7.75/kWh
		Above 7 kW & upto 50 kW	0- 100 kWh	95/kW	4.64/kWh	100/kW	5.24/kWh
			101 - 300 kWh		6.50/kWh		7.15/kWh
			Above 300 kWh		7.30/kWh		7.75/kWh
		Above 50 kW/kVA & upto 100 kVA	All Units	115/kVA	6.42/kVAh	120/kVA	6.75/kVAh
		Above 100 kVA	All Units	125/kVA	6.63/kVAh	140/kVA	6.98/kVAh
		Sri Harmandir Sahib & Sri Durgiana Mandir	First 2000 kWh	NA	Free	NA	Free
			Above 2000 kWh		6.31/kWh		6.41/kWh
2	Non-Residential Supply	Upto 7 kW	0- 100 kWh	45/kW	6.91/kWh	50/kW	6.91/kWh
			101 - 500 kWh		7.17/kWh		7.17/kWh
			Above 500 kWh		7.29/kWh		7.75/kWh
		Above 7 kW & upto 20 kW	Up to 100 kWh	70/kW	6.91/kWh	100/kW	6.91/kWh
			101 - 500 kWh		7.17/kWh		7.17/kWh
			Above 500 kWh		7.29/kWh		7.75/kWh
		Above 20 kW/ kVA &upto 100 kVA	All Units	100/kVA	6.35/kVAh	130/kVA	6.75/kVAh
		Above 100 kVA	All Units	110/kVA	6.55/kVAh	140/kVA	6.96/kVAh
		Electric Vehicle Charging Station	All Units	NA	6.00/kVAh	NA	6.28/kVAh
3.	Industrial Power Supply						
a	Small Power	Upto 20 kVA	All Units	80/kVA	5.37/kVAh	105/kVA	5.67/kVAh
b.	Medium Supply	Above 20 kVA &upto 100 kVA	All Units	120/kVA	5.80/kVAh	140/kVA	6.10/kVAh
c.	Large Supply						
	General Industry	Above 100 kVA &upto 1000 kVA	All Units	185/kVA	6.05/kVAh	215/kVA	6.45/kVAh
		Above 1000 kVA &upto 2500 kVA	All Units	245/kVA	6.15/kVAh	275/kVA	6.55/kVAh
		Above 2500 kVA	All Units	285/kVA	6.27/kVAh	325/kVA	6.67/kVAh
	PIU Industry	Above 100 kVA &upto 1000 kVA	All Units	190/kVA	6.09/kVAh	220/kVA	6.49/kVAh
		Above 1000 kVA &upto 2500 kVA	All Units	275/kVA	6.40/kVAh	305/kVA	6.80/kVAh
		Above 2500 kVA	All Units	315/kVA	6.49/kVAh	345/kVA	6.89/kVAh
d	For use of electricity exclusively during				4.86/kVAh		5.24/kVAh

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Sr. No.	Category			Existing Tariff for FY 2022-23 (01.04.2022 to 31.03.2023) continued from 01.04.2023 to 15.05.2023		New Tariff w.e.f. 16.05.2023 to 31.03.2024	
				*Fixed Charges per Month	**Energy Charges	*Fixed Charges per Month	**Energy Charges
I	II			III	IV	V	VI
	eight hours applicable for industrial consumers (Large Supply/Medium Supply/Small Power)		10 PM to 06 AM (next day)	50% of Fixed Charges specified under relevant category		50% of Fixed Charges specified under relevant category	
			06 AM to 10 AM		Normal Energy charges (throughout the year)		Normal Energy charges (throughout the year)
4.	Bulk Supply	LT	All Units	225/kVA	6.66/kVAh	260/kVA	7.01/kVAh
		HT	All Units	306/kVA	6.38/kVAh	340/kVA	6.78/kVAh
5.	Railway Traction		All Units	340/kVA	6.97/kVAh	360/kVA	7.17/kVAh
6.	Public Lighting		All Units	395/kW	7.43/kWh	135/kW	7.59/kWh
7.	Agricultural Pumpset (AP)		All Units	5.66/kWh or 405/BHP/month		6.55/kWh or 485/BHP/month	
8.	AP High Technology/ High Density Farming		All Units	NA	5.66/kWh	NA	6.55/kWh
9.	Compost/ Solid Waste Management Plants for Municipalities of Urban Local Bodies & Water Supply Schemes		All Units	60/kVA	5.22/kVAh	65/kVA	5.26/kVAh
10.	Charitable Hospitals set-up under PwD Act		All Units	70/kVA	5.40/kVAh	100/kVA	6.00/kVAh
11.	Start up Power for Generators and CPPs		All Units	NA	7.35/kVAh	NA	7.83/kVAh
B	SEASONAL INDUSTRY (as per Condition 18 of General Conditions of Tariff):						
a)	During Season						
	Small Power		All Units	160/kVA	Same as applicable to corresponding General Industry	210/kVA	Same as applicable to corresponding General Industry
	Medium Supply		All Units	240/kVA		280/kVA	
	Large Supply	101-1000 kVA	All Units	370/kVA		430/kVA	
		1001-2500 kVA		490/kVA		555/kVA	
		> 2500 kVA		570/kVA		638/kVA	
b)	During Off Season (SP/MS/LS)		All Units	Nil		Nil	
C	ICE FACTORIES & CANDIES AND COLD STORAGES						
a)	During April to July						
	Small Power		All Units	160 / kVA	Same as applicable to corresponding General Industry	210 / kVA	Same as applicable to corresponding General Industry
	Medium Supply		All Units	240/kVA		280/kVA	
	Large Supply		All Units	370/kVA		430/kVA	
b)	During August to March						
	Small Power		All Units	40/kVA		53/kVA	
	Medium Supply		All Units	60/kVA		70/kVA	
	Large Supply		All Units	93/kVA		108/kVA	
D	TEMPORARY SUPPLY (All Categories)		All Units	1.25 times the charges (highest slab in case of slab rates) specified under the relevant schedule for permanent supply corresponding to the sanctioned load /contract demand		1.25 times the charges (highest slab in case of slab rates) specified under the relevant schedule for permanent supply corresponding to the sanctioned load /contract demand	

*Fixed Charge (unless otherwise specified in Schedule of Tariff) shall be levied on 80% of the sanctioned load or contract demand (actual demand recorded, if higher) as may be applicable.

**In addition to energy charges; FCA, Voltage Surcharge/Rebate and ToD Tariff shall be applicable in accordance with conditions 8, 13 and 15 respectively of General Conditions of Tariff (Annexure-I of the Tariff Order for FY 2023-24)

Notes:

(i) The Schedules of Tariff with tariff rates and other details for various categories of consumers as approved by the Commission are as per ***Annexure II*** of the Tariff Order for FY 2023-24. These Schedules shall be read with the updated provisions of General Conditions of Tariff approved by the Commission as per ***Annexure I*** of the Tariff Order for FY 2023-24;

(ii) Free power/subsidized tariff shall be applicable to various categories of consumers as per GoP Memo No. 13/01/2023-PE2/1947 dated 31.03.2023 (Annexure-IX of the Tariff Order for 2023-24).

(iii) Cooperative Group Housing Societies/ Employers availing single point supply under PSERC

(Single Point Supply to Co-operative Group Housing Societies/Employers) Regulations will be levied fixed charges as applicable to Domestic Supply consumers with load exceeding 100 kVA. A rebate of 12% (Twelve percent) will be admissible on electricity charges, comprising of fixed and energy charges, in addition to any other rebate as may be applicable.

(iv) A Franchisee appointed by licensee for a particular area in its area of supply as per 2nd proviso to Section 14 of the Electricity Act read with Regulations 6.6.2 of the Supply Code 2014, shall be eligible for rebate on electricity charges as per the franchisee agreement between the parties read with Orders of the Commission, if any.

(v) In case of mixed industrial load having total load more than 100 kVA but its installed/connected kVA rating of PIU load is up to 100kVA, LS/general category tariff shall be charged.

For industries where the load is of mixed nature, i.e. in addition to General Industrial loads, Arc/ Power Intensive loads having installed/connected kVA rating more than 100 kVA are also running, Fixed and Energy Charges shall be determined by computing the Maximum Demand and energy consumption for the billing month on pro-rata basis in proportion to such demands sanctioned by the distribution licensee and applicable tariff (Fixed Charge and Energy Charge) shall be as specified against the corresponding demand slab (without clubbing of Arc/Power Intensive and general load) under the relevant schedule of tariff. ***Provided that the total charges payable by such Mixed Industry consumer shall not be less than the charges payable, in case his total load (General and PIU) is considered as the general load.***

In such cases, Power Intensive loads shall comprise of loads as mentioned in para SI.3.2, including auxiliary loads, loads of pollution control machinery, gas plants & corresponding lighting loads, and general industrial loads in such cases shall comprise loads of rolling mills and its allied loads, related workshop, general engineering machinery and corresponding lighting load, for the purpose of levy of Fixed Charges. Provided that PIU load having total installed/connected kVA rating upto 100 kVA shall not be considered as PIU load. Where rating in kVA is not available, rated load in kW shall be converted into kVA considering unity power factor.

Example:-

In case a consumer having sanctioned load/demand of 1800 kVA for General load and 900 kVA for Power Intensive load, has maximum recorded Demand of 2400 kVA and energy consumption of 6 LU (kVAh) during a billing month, his billing shall be carried out separately for General and Arc/PIU loads as under:

	Existing Methodology approved by PSERC		If total load is considered as General Load
	General load	Arc/PIU Load	Contract Demand (CD)
	1800 kVA	900 kVA	CD= 2700 KVA
	2400*(1800/(1800+900))	2400*(900/(1800+900))	
Demand(in KVA)	1600	800	2400
Fixed Charges Rate (Rs./KVA)	275 (rate of Above 1000 KVA & upto 2500 KVA slab of General Industry)	220 (rate of Above 100 kVA & upto 1000 KVA slab of PIU Industry)	315 (rate of Above 2500 kVA slab of General Industry)
Fixed Charges (Rs.)	**440000**	**176000**	**756000**
Consumption of Energy	6*(1800/(1800+900))=4LU	6*(900/(1800+900))=2LU	6LU
Units	400000	200000	600000
Energy Charges	6.55	6.49	6.67

Rate (Rs. /kVAh)	(rate of Above 1000 KVA & upto 2500 kVA slab of General Industry)	(rate of Above 100 kVA &upto 1000 kVA slab of PIU Industry)	(rate of Above 2500 kVA slab of General Industry)
Energy Charges (Rs.)	2620000	1298000	4002000
Sub-Total (F.C+E.C)	3060000	1474000	4758000
Total (in Rs.)	4534000		4758000

In above case as the total charges (Rs.45,34,000) payable by Mixed Industry consumer comes out to be less than the charges(Rs.47,58,000) payable in case his total load (General and PIU) is considered as the generall load, so the total charges payable in this case shall be Rs 47,58,000.

Revised Annexure-1: Proforma for Quarterly Consumer Category-wise Subsidy Bill/Received/Due for period 2023-24 (Revised)

Consumer Category (Separate for each subsidized consumer category)	Billed Energy			subsidized Billed Energy			Applicable ate of Subsidy as notified by State govt.		Subsidy Due from State govt.			Subsidy Actually Billed/ claimed from State Govt. (As against col.12)	Subsidy Received from State Govt. (As against col.13)	Balance Subsidy yet to be Received from State Govt.
	Metered	Un-metered*	Total	Metered (out of col.3)	Un-metered* (out of col.3)	Total	Metered Energy**	Un-metered Energy**	Metered Energy	Un-metered Energy	Total			
	(in kwh)			(in kwh)			(in Rs/kwh)		(in Rs. Cr.)			(in Rs. Cr.)	(in Rs. Cr.)	(in Rs. Cr.)
1	2	3	4=2+3	5	6	7=5+6	8	9	10=5x8	11=6x9	12=10+11	13	14	15=13-14
Residential	16,34,90,77,099		16,34,90,77,099	16,34,90,77,099		16,34,90,77,099	Rs.2.50 to Rs.7.15 per KWh		7233.82		7233.82	7233.82	6818.28	415.54
Agriculture	12,60,10,000	12,67,13,50,000	12,79,73,60,000	12,60,10,000	12,67,13,50,000	12,79,73,60,000	Rs. 6.55 per KW		81.54	8252.47	8334.01	8334.01	8881.83	-547.82
Commercial/Industrial -LT	22,85,05,42,670		22,85,05,42,670	22,85,05,42,670		22,85,05,42,670	Rs. 0.17 to 1.39 per KVA		2175.95		2175.95	2175.95	2576.63	-400.68
Commercial/Industrial -HT														
Other (specify)														
Total	39,32,56,29,769	12,67,13,50,000	51,99,69,79,769	39,32,56,29,769	12,67,13,50,000	51,99,69,79,769			9491.31	8252.47	17743.78	17743.78	18276.74	-532.96

Note:- Excess amount received of Rs. 532.96 crore will be adjusted towards carrying cost and clearance of liquidation dues.

FINANCIAL ADVISOR
PSPCL, PATIALA

PSPCL

Revised Annexure-1: Proforma for Quarterly Consumer Category-wise Subsidy Bill/Received/Due for period 2023-24 (4th-Q) (REVISED)

Consumer Category (Separate for each subsidised consumer category)	Billed Energy			subsidized Billed Energy			Applicable rate of Subsidy as notified by State govt.		Subsidy Due from State govt.			Subsidy Actually Billed/ claimed from State Govt. (As against col.12)	Subsidy Received from State Govt. (As against col.13)	Balance Subsidy yet to be Received from State Govt.
	Metered	Un-metered*	Total	Metered (out of col.3)	Un-metered* (out of col.3)	Total	Metered Energy**	Un-metered Energy**	Metered Energy	Un-metered Energy	Total			
	(in kwh)			(in kwh)			(in Rs/kwh)		(in Rs. Cr.)			(in Rs. Cr.)	(in Rs. Cr.)	(in Rs. Cr.)
1	2	3	4=2+3	5	6	7=5+6	8	9	10=5x8	11=6x9	12=10+11	13	14	15=13-14
Residential	2,90,56,21,711		2,90,56,21,711	2,90,56,21,711		2,90,56,21,711	Rs. 2.50 to Rs. 7.15 per KWh		1459.10		1459.1	1459.10	1310.54	148.56
Agriculture	2,25,90,000	1,62,84,41,000	1,65,10,31,000	2,25,90,000	1,62,84,41,000	1,65,10,31,000	Rs. 6.55 per KW		14.80	1065.03	1079.83	1079.83	602.00	477.83
Commercial/Industrial -LT	6,02,53,07,364		6,02,53,07,364	6,02,53,07,364		6,02,53,07,364	Rs. 0.17 to 1.39 per KVA		517.80		517.80	517.80	542.83	-25.03
Commercial/Industrial -HT														
Other (specify)														
Total	8,95,35,19,075	1,62,84,41,000	10,58,19,60,075	8,95,35,19,075	1,62,84,41,000	10,58,19,60,075			1991.70	1065.03	3056.73	3056.73	2455.37	601.36

The subsidy due for the 4th quarter of FY 2023-24 comes to Rs. 3056.73 crore whereas State Government has released Rs. 2455.37 crore. The net excess subsidy received from GOP upto 3rd quarter is Rs. 1297.02 crore. The detail is as below:

Note:

Balance Subsidy to be Received from State Govt. for Q4 (Rs. In Crore)	net excess subsidy to be adjusted in 4th quarter (Rs. in crore)	net excess subsidy received during FY 2023-24 (Rs. in crore)
601.36	-1297.02	-695.66

FINANCIAL ADVISOR
PSPCL, PATIALA

Energy Schedule of PSPCL for FY 2023-24

Sr. No.	GENERATING STATION	Type of Plant	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
1	OWN GENERATION		FINAL REA	FINAL REA	FINAL REA	Prov. REA	Prov. REA	Prov. REA	Prov. REA	Prov. REA	Prov. REA	Prov. REA	Prov. REA	Prov. REA	
1.1	THERMAL														
	I) GGSSTP, Ropar	Thermal	322.24	208.70	328.37	310.53	466.76	289.10	379.65	235.30	348.16	393.45	358.78	311.98	3953.00
	ii) GHTP, Lehra Mohhabat	Thermal	330.85	243.49	381.36	387.88	465.33	382.94	449.27	259.84	459.09	472.23	433.66	373.98	4639.93
	iii) GATP, Goindwal Sahib	Thermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166.56	195.68	362.24
	Total Thermal (Gross)		653.09	452.19	709.73	698.41	932.09	672.04	828.92	495.14	807.26	865.67	959.00	881.63	8955.17
1.2	Aux.&Transformation Losses														
	GGSSTP	Thermal	26.36	20.79	28.90	32.32	46.66	34.76	35.89	22.59	31.24	36.84	33.40	29.63	379.38
	GHTP	Thermal	27.87	21.92	31.89	32.68	38.27	32.41	37.11	22.58	35.46	36.52	33.97	30.75	381.45
	GATP	Thermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.89	19.56	36.45
	Total Thermal Losses		54.23	42.71	60.79	65.01	84.93	67.17	73.00	45.18	66.70	73.36	84.26	79.94	797.27
1.3	Net Thermal Generation (1.1-1.2)		598.86	409.48	648.94	633.40	847.16	604.87	755.92	449.96	740.56	792.31	874.74	801.69	8157.89
1.4	HYDEL														
	I)Shanan	Hydro	40.41	65.99	78.69	74.33	76.82	47.48	26.79	17.56	13.47	10.22	11.35	29.19	492.30
	ii)UBDC	Hydro	25.55	39.91	49.32	32.97	55.10	51.91	26.53	16.44	39.62	9.97	1.65	21.70	370.68
	iii)Mukerian (MHP)	Hydro	13.08	17.02	108.35	123.76	127.02	142.52	147.68	106.00	117.85	134.39	136.33	86.53	1260.54
	iv)ASHP	Hydro	12.88	27.17	36.58	80.56	86.35	83.16	52.94	13.82	33.04	10.66	18.21	19.10	474.46
	v)RSD	Hydro	98.30	167.69	215.32	387.37	332.20	222.11	89.21	62.78	165.37	31.43	9.05	62.45	1843.30
	vi)Micro	Hydro	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.13	0.00	0.39	0.44	1.74
	Total Hydel (Gross)		190.56	317.77	488.26	699.00	677.50	547.17	343.14	217.05	369.48	196.67	176.98	219.42	4443.01
1.5	Aux.&Transformation Losses														
	Shanan	Hydro	0.52	0.94	0.82	0.53	1.22	1.04	0.22	0.14	0.13	0.08	0.12	0.35	6.10
	UBDC	Hydro	0.13	0.19	0.24	0.18	0.27	0.22	0.11	0.11	0.27	0.09	0.04	0.11	1.94
	MHP	Hydro	0.31	0.39	1.80	2.06	1.96	2.20	2.19	1.67	1.82	1.87	1.86	1.23	19.35
	ASHP	Hydro	0.04	0.09	0.09	0.19	0.19	0.18	0.15	0.04	0.11	0.06	0.08	0.08	1.29
	RSPP	Hydro	0.59	0.56	0.71	1.28	1.09	0.73	0.30	0.25	0.82	0.10	0.03	0.25	6.71
	Micro	Hydro	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.02	0.02	0.07
	Total Hydro Losses		1.60	2.16	3.65	4.23	4.73	4.37	2.96	2.23	3.15	2.20	2.15	2.02	35.45
1.6	Net Hydel Generation (1.4-1.5)		188.95	315.61	484.61	694.77	672.77	542.80	340.18	214.83	366.33	194.47	174.83	217.40	4407.56
1.7	Total Net Own Generation (Thermal+Hydel) (1.3+1.6)		787.81	725.09	1133.55	1328.17	1519.93	1147.67	1096.10	664.79	1106.89	986.79	1049.57	1019.09	12565.45

Sr. No.	GENERATING STATION	Type of Plant	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
2	**PSPCL share from BBMB**														
	I)Bhakhra	Hydro	133.37	162.12	164.98	333.80	482.18	315.91	244.15	187.19	176.60	170.63	162.13	156.66	**2689.72**
	ii)Dehar	Hydro	86.28	144.10	169.61	159.67	124.11	158.19	81.05	49.55	37.88	29.28	33.48	69.69	**1142.89**
	iii)Pong	Hydro	4.44	5.99	25.81	44.36	56.91	45.84	39.60	26.29	30.65	35.63	39.58	21.86	**376.96**
2.1	**Total (Gross)**		**224.10**	**312.21**	**360.40**	**537.82**	**663.20**	**519.93**	**364.80**	**263.03**	**245.12**	**235.54**	**235.19**	**248.22**	**4209.57**
2.2	BBMB Inter State Transmission Losses		8.56	10.93	11.22	21.03	21.76	16.67	14.47	10.93	10.55	9.00	8.97	8.90	**152.98**
2.3	**PSPCL share from BBMB (Net) (2.1 - 2.2)**		**215.54**	**301.28**	**349.18**	**516.79**	**641.44**	**503.27**	**350.33**	**252.09**	**234.57**	**226.54**	**226.23**	**239.32**	**4056.59**
3	**Total Net Generation (1.7+2.3)**		**1003.35**	**1026.37**	**1482.73**	**1844.96**	**2161.37**	**1650.94**	**1446.44**	**916.88**	**1341.46**	**1213.33**	**1275.80**	**1258.41**	**16622.03**
4	**CENTRAL SECTOR POWER PURCHASE**														
4.1	**NHPC**														
	Bairasiul	Hydro	33.02	39.75	35.86	16.81	28.16	18.42	12.13	7.49	6.32	5.93	8.51	28.17	**240.56**
	Salal	Hydro	64.82	107.58	125.90	131.23	141.05	118.88	51.04	26.78	18.52	14.26	22.83	52.06	**874.97**
	Tanakpur	Hydro	1.02	2.45	6.56	10.85	11.63	11.16	9.57	5.05	2.27	1.18	0.56	1.12	**63.42**
	Chamera-I	Hydro	15.72	28.89	34.40	40.94	36.34	17.78	8.19	5.16	3.56	3.38	4.14	15.14	**213.66**
	Chamera-II	Hydro	9.11	20.08	26.05	11.30	30.39	22.58	7.35	4.41	3.41	2.66	2.65	6.70	**146.68**
	Chamera-III	Hydro	4.91	11.62	15.68	14.87	17.99	11.15	2.02	0.84	1.99	0.50	0.70	3.19	**85.46**
	Uri	Hydro	42.04	46.59	41.51	44.22	37.26	17.49	16.19	11.76	8.44	5.30	14.99	32.82	**318.64**
	Uri-II	Hydro	12.67	15.67	18.55	20.70	17.88	8.95	6.12	4.79	3.45	2.41	5.72	13.33	**130.26**
	Dhauliganga	Hydro	3.21	7.42	18.17	26.79	27.95	15.00	6.39	3.36	2.57	2.14	1.85	2.55	**117.38**
	Dulhasti	Hydro	11.88	24.64	29.91	20.79	31.72	32.57	17.65	9.89	7.43	5.90	5.12	7.49	**205.00**
	Parbati-III	Hydro	1.42	4.09	9.61	5.87	1.27	0.71	2.10	1.34	0.98	0.27	0.00	0.01	**27.67**
	SEWA-II	Hydro	7.11	8.29	8.21	8.92	5.13	2.04	2.17	1.11	0.79	0.51	2.35	6.77	**53.39**
	Parbati-II	Hydro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Kishanganga	Hydro	0.00	1.89	5.27	8.86	7.43	3.58	0.00	0.00	0.00	0.00	0.00	0.00	**27.04**
	Tapovan Vishnugad	Hydro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Total		**206.95**	**318.96**	**375.67**	**362.16**	**394.22**	**280.30**	**140.90**	**82.00**	**59.74**	**44.45**	**69.42**	**169.36**	**2504.13**
4.2.1	**Nathpa Jhakri (SJVNL)**	Hydro	**24.91**	**44.99**	**103.91**	**133.27**	**150.33**	**115.52**	**41.82**	**27.55**	**21.65**	**18.59**	**16.89**	**21.78**	**721.21**
4.2.2	**Rampur (SJVNL)**	Hydro	**3.84**	**7.26**	**17.27**	**22.81**	**25.69**	**19.83**	**6.41**	**4.26**	**3.34**	**2.87**	**2.60**	**3.36**	**119.55**
4.3	**Tehri(THDC)**	Hydro	**14.06**	**14.41**	**15.70**	**33.93**	**66.66**	**26.51**	**19.72**	**18.71**	**19.63**	**19.53**	**16.77**	**16.46**	**282.10**
4.4	**Koteshwar(THDC)**	Hydro	**4.55**	**5.42**	**6.27**	**10.16**	**20.06**	**7.66**	**5.39**	**5.14**	**5.46**	**5.81**	**5.11**	**5.31**	**86.34**

Sr. No.	GENERATING STATION	Type of Plant	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
4.4.1	**Vishnugad Pipalkoti HEP (THDC)**	Hydro	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
4.5.1	**DVC RTPS 1&2**	Thermal	**159.04**	**114.14**	**116.40**	**116.67**	**147.67**	**137.99**	**112.61**	**114.94**	**141.78**	**163.02**	**150.03**	**85.37**	**1559.67**
4.5.2	**DVC -Durgapur**	Thermal	**115.44**	**102.16**	**96.00**	**82.17**	**110.59**	**93.79**	**76.28**	**75.81**	**87.07**	**79.26**	**76.51**	**109.20**	**1104.28**
4.5.3	**DVC -BTPS**	Thermal	**130.77**	**121.52**	**92.50**	**39.46**	**136.56**	**101.21**	**98.77**	**115.85**	**137.08**	**140.24**	**128.36**	**113.87**	**1356.20**
4.6	**NTPC**														
	Singrauli	Thermal	118.87	127.11	130.00	120.30	145.09	112.25	88.07	108.48	119.92	130.97	115.72	132.30	**1449.07**
	Rihand-I	Thermal	64.37	68.43	68.72	65.64	71.03	68.45	65.85	66.17	76.32	81.04	66.90	73.94	**836.88**
	Rihand-II	Thermal	67.67	64.80	66.47	64.34	74.12	57.78	26.19	63.78	58.08	44.94	64.56	66.03	**718.78**
	Rihand - III	Thermal	54.94	56.17	55.90	54.48	62.40	54.94	52.51	53.51	58.71	47.40	27.06	55.03	**633.04**
	Anta CR	Gas	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	**0.05**
	Anta G	Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Anta R	Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Anta L	Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Auriya CR	Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Auriya G	Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Auriya R	Gas	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	**0.01**
	Auriya L	Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Dadri CR	Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Dadri G	Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Dadri R	Gas	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	**0.01**
	Dadri L	Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Unchahar-I	Thermal	0.00	0.14	3.09	2.58	1.62	0.86	0.44	1.04	3.93	0.36	0.00	0.00	**14.08**
	Unchahar-II	Thermal	33.67	22.90	27.02	27.59	46.37	24.20	14.72	7.16	18.25	27.68	24.81	22.73	**297.12**
	Unchahar-III	Thermal	6.96	6.03	6.61	6.58	10.39	7.88	4.50	1.44	7.63	7.60	6.83	5.52	**77.97**
	Unchahar-IV	Thermal	0.00	0.37	5.56	5.19	8.68	2.67	0.45	0.92	2.39	0.48	0.00	0.00	**26.72**
	Jhajjar (JV)	Thermal	0.00	1.41	6.60	37.34	16.26	11.20	0.00	0.00	0.00	0.00	0.00	0.00	**72.81**
	Dadri (Th.)-II	Thermal	0.07	0.35	1.23	3.26	9.69	6.84	1.61	0.42	2.89	0.42	0.01	0.01	**26.78**
	Koldam HEP	Hydro	8.88	14.95	37.85	59.11	59.67	36.26	13.57	8.77	6.88	5.77	5.53	7.24	**264.48**
	Singrauli SHEP	Small Hydro	0.00	0.04	0.08	0.13	0.11	0.13	0.00	0.00	0.00	0.00	0.00	0.00	**0.50**
	Kudgi STPS	Thermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Khargone	Thermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Tanda Stage-II	Thermal	0.31	1.37	12.73	10.08	19.50	4.36	0.47	0.11	7.93	2.35	0.41	0.08	**59.68**
	Meja	Thermal	28.99	28.06	23.83	33.15	34.43	39.65	12.65	14.92	28.67	32.79	30.99	32.35	**340.48**
	Total		**384.74**	**392.16**	**445.71**	**489.77**	**559.37**	**427.53**	**281.03**	**326.73**	**391.60**	**381.78**	**342.81**	**395.23**	**4818.47**

Sr. No.	GENERATING STATION	Type of Plant	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
4.7	**NTPC(ER)**														
	Farakha (ER)	Thermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Kahal gaon (ER)	Thermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Kahal gaon-II (ER)	Thermal	58.68	56.41	70.38	60.28	89.61	60.65	55.64	57.64	90.68	83.68	76.04	81.66	**841.36**
	Total		**58.68**	**56.41**	**70.38**	**60.28**	**89.61**	**60.65**	**55.64**	**57.64**	**90.68**	**83.68**	**76.04**	**81.66**	**841.36**
4.8	**NPC**														
	NAPP	Nuclear	31.53	32.42	36.95	40.83	37.34	39.90	27.98	2.88	-0.13	18.93	32.86	34.71	**336.21**
	RAPP-B	Nuclear	27.79	28.06	26.67	27.50	27.87	27.84	22.69	27.83	30.52	24.15	31.89	29.91	**332.72**
	RAPP-C	Nuclear	30.83	37.19	42.46	48.56	48.77	43.43	16.41	28.26	33.15	30.19	30.89	31.16	**421.30**
	Total		**90.15**	**97.66**	**106.09**	**116.90**	**113.98**	**111.17**	**67.08**	**58.96**	**63.54**	**73.27**	**95.64**	**95.79**	**1090.24**
4.9	**Central Sector Purchase (4.1+4.2+4.3+4.4+4.4.1+4.5+4.6+4.7 +4.8)**		**1193.13**	**1275.09**	**1445.9 1**	**1467.5 8**	**1814.75**	**1382.1 7**	**905.67**	**887.59**	**1021.5 8**	**1012.50**	**980.18**	**1097.4 1**	**14483.55**
`															
5	**PURCHASE THROUGH TRADERS**														
5.1	**Purchase through Traders / IPPs (LONG TERM)**														
	NVVN(Bundled Power)														
	NVVN Bundled Coal power		19.63	19.79	20.36	21.06	21.97	21.09	18.29	16.47	17.29	18.41	17.28	20.69	**232.35**
	NVVN Bundled Solar Power		4.75	4.56	4.46	4.13	3.90	4.30	4.35	3.29	2.95	2.95	3.41	4.98	**48.05**
	NVVN Bundled power		**24.38**	**24.35**	**24.82**	**25.19**	**25.88**	**25.39**	**22.65**	**19.76**	**20.24**	**21.37**	**20.70**	**25.68**	**280.41**
	SECI Hybrid Power PSA (Solar)	Solar	128.96	135.54	126.88	121.57	119.85	120.88	119.80	87.63	93.67	94.60	104.87	133.43	**1387.69**
	NHPC – M/s Avaada Sunrays Energy Private Limited	Solar	70.71	74.74	65.82	61.56	67.79	64.15	65.57	50.71	57.33	54.89	59.04	68.92	**761.23**
	SECI Solar Power	Solar	5.37	5.54	5.40	4.84	4.78	5.02	4.84	3.77	3.80	3.97	4.47	5.60	**57.41**
	Total Solar Power		**205.04**	**215.83**	**198.10**	**187.98**	**192.42**	**190.05**	**190.22**	**142.11**	**154.80**	**153.46**	**168.38**	**207.95**	**2206.34**
	Wind Power														
	SECI Wind Power	Wind	78.27	94.35	107.63	94.37	165.40	86.56	47.83	53.69	74.39	59.67	68.81	75.12	**1006.09**
	SECI Hybrid Power PSA (Wind)	Wind	32.47	38.50	42.36	34.92	50.91	29.49	33.29	26.81	29.29	25.08	31.24	30.42	**404.77**
	Total Wind Power		**110.73**	**132.85**	**149.99**	**129.29**	**216.30**	**116.05**	**81.12**	**80.50**	**103.68**	**84.75**	**100.04**	**105.54**	**1410.86**
	PTC Tala(Hydro)	Hydro	0.01	0.00	2.30	12.72	11.68	7.71	1.91	0.00	0.00	0.00	0.00	0.00	**36.32**
	Pragati-III(Bawana)CCGT	Gas	10.19	11.17	9.28	7.73	20.99	19.89	19.43	19.40	20.81	21.19	18.83	19.65	**198.55**
	MALANA-2 (PTC)	Hydro	9.78	18.99	42.46	19.15	0.00	6.22	9.41	4.52	2.42	0.57	0.00	6.69	**120.21**
	KARCHAM (PTC)	Hydro	24.29	41.02	104.97	145.15	158.60	106.82	43.97	28.77	22.11	18.58	16.83	21.84	**732.93**
	SASAN Ultra Mega Project	Thermal	305.09	341.61	376.52	349.15	404.85	338.70	351.82	391.62	399.29	396.94	378.83	393.97	**4428.38**
	MUNDRA_UMPP	Thermal	65.23	211.63	154.36	184.14	243.77	214.34	218.82	219.51	206.91	215.67	200.03	212.42	**2346.81**
	Udupi (UPCL)	Thermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**

Sr. No.	GENERATING STATION	Type of Plant	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	Goindwal Sahib TPP (GVK)														
	GVK_Sch	Thermal	174.12	181.88	205.68	194.97	196.44	164.20	124.75	169.78	215.98	221.30	42.79	0.00	**1891.90**
	GVK_UI		0.12	0.15	0.04	0.34	-0.23	0.22	0.13	0.08	0.05	0.00	0.00	0.00	**0.89**
	Total GVK (Sch - UI)		**174.00**	**181.74**	**205.64**	**194.64**	**196.67**	**163.98**	**124.62**	**169.70**	**215.93**	**221.30**	**42.79**	**0.00**	**1891.01**
	Talwandi Sabo TPP (TSPL)														
	TSPL_Sch	Thermal	985.29	945.06	909.87	796.11	1122.02	892.45	911.56	800.36	758.75	788.22	708.86	696.78	**10315.34**
	TSPL_UI		3.07	3.23	4.92	5.94	5.93	3.58	1.25	2.34	1.08	2.35	0.00	0.00	**33.70**
	Total TSPL (Sch - UI)		**982.23**	**941.83**	**904.95**	**790.17**	**1116.09**	**888.86**	**910.31**	**798.02**	**757.67**	**785.86**	**708.86**	**696.78**	**10281.64**
	RAJPURA TPP (NPL)														
	NPL_Sch	Thermal	881.98	877.73	837.87	785.86	969.03	857.48	846.17	688.29	690.06	917.66	630.93	882.30	**9865.32**
	NPL_UI		-0.18	0.16	1.91	1.29	2.24	0.36	-1.62	-1.86	-2.16	-2.45	0.00	0.00	**-2.32**
	Total NPL (Sch - UI)		**882.16**	**877.56**	**835.96**	**784.57**	**966.79**	**857.11**	**847.79**	**690.15**	**692.22**	**920.11**	**630.93**	**882.30**	**9867.64**
	Total Long Term		**2793.12**	**2998.56**	**3009.34**	**2829.87**	**3554.03**	**2935.13**	**2822.06**	**2564.06**	**2596.08**	**2839.80**	**2286.22**	**2572.82**	**33801.10**
5.2	**Purchase through Traders / IPPs (SHORT TERM)**														
	NVVN		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	MITTAL/MPPL/KEIPL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Manikaran/MPL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	DBPL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	JSW/JSWPTCL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	LEUL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	PTC		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	AEL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	APL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Sterlite		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	JPL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	TATA/TPTCL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	NHPC		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	SCL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	NETS		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	GMRETL/GMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	INSTINCT		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	UPPCL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	APPCPL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**

Sr. No.	GENERATING STATION	Type of Plant	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	Power Purchased by PSPCL through Exchange														
A	**Conventional Energy**														
	PTC		610.08	240.65	546.76	281.00	109.23	512.46	231.70	160.08	534.31	1090.23	1054.32	782.69	**6153.50**
B	**Green Energy**														
	PTC		1.42	3.55	7.33	5.08	1.29	7.95	8.90	1.07	0.69	10.63	29.29	41.48	**118.68**
	Total (A+B)		**611.49**	**244.20**	**554.09**	**286.09**	**110.53**	**520.41**	**240.60**	**161.15**	**534.99**	**1100.85**	**1083.61**	**824.16**	6272.19
	NRSE Power														
	PTC		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	MITTAL/MPPL/KEIPL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	NVVN		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	APPCPL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	HPSEB		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Total		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	0.00
	Total Short Term		**611.49**	**244.20**	**554.09**	**286.09**	**110.53**	**520.41**	**240.60**	**161.15**	**534.99**	**1100.85**	**1083.61**	**824.16**	6272.19
5.3	**Total Trading (5.1+5.2)**		**3404.62**	**3242.76**	**3563.43**	**3115.96**	**3664.56**	**3455.53**	**3062.67**	**2725.21**	**3131.07**	**3940.65**	**3369.84**	**3396.98**	40073.28
6	**BANKING**														
6.1	**Banking Direct from Utilities (From +ve)**														
	HPSEB		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Rajasthan		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	TANGEDCO		0.00	0.00	34.20	55.80	55.80	54.00	0.00	0.00	0.00	0.00	0.00	0.00	**199.80**
	PCKL		0.00	0.00	48.00	641.50	545.90	566.80	0.00	0.00	0.00	0.00	0.00	0.00	**1802.20**
	TELANGANA		0.00	0.00	105.60	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**165.60**
	MSEDCL		0.00	0.00	35.28	111.60	111.60	53.15	0.00	0.00	0.00	0.00	0.00	0.00	**311.63**
	MPPTCL/MPSEB/MP/MPPMCL		0.00	9.60	115.80	392.38	527.93	456.16	0.00	0.00	0.00	0.00	0.00	0.00	**1501.87**
	Total		**0.00**	**9.60**	**338.88**	**1261.28**	**1241.23**	**1130.11**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	3981.09
6.2	**Banking through Traders (From +ve)**														
	NVVNL		0.00	0.00	78.23	40.30	63.76	54.76	0.00	0.00	0.00	0.00	0.00	0.00	**237.05**
	JSW/JSWPTCL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	REFEX		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	MITTAL/MPPL/KEIPL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	SAPL		0.00	0.00	0.00	27.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**27.34**

Sr. No.	GENERATING STATION	Type of Plant	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	IIPL		0.00	0.00	103.59	107.05	107.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**317.69**
	TATA/TPTCL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	GMR/GMRETL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	PROVEST		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Manikaran/MPL		0.00	0.00	0.00	14.40	55.80	54.00	0.00	0.00	0.00	0.00	0.00	0.00	**124.20**
	INSTICT		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	APPCPL		0.00	11.23	270.82	595.68	708.17	432.91	117.80	0.00	0.00	0.00	0.00	0.00	**2136.61**
	PTC		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Total		**0.00**	**11.23**	**452.64**	**784.77**	**934.78**	**541.67**	**117.80**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	2842.89
	Total Banking From (+ve) (6.1+6.2))		**0.00**	**20.83**	**791.52**	**2046.05**	**2176.00**	**1671.78**	**117.80**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	6823.98
6.3	**Banking Direct to Utilities (To -ve)**														
	Andhra		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-7.20	**-7.20**
	TANGEDCO, Tamilnadu		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-62.94	**-62.94**
	PCKL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	-194.93	-148.80	-148.80	-369.14	-373.54	**-1235.21**
	Karnatka		-624.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**-624.24**
	TSPCC, Telangana		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-42.84	-88.54	**-131.38**
	MSEDCL		-144.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**-144.00**
	MPPTCL/MPSEB/MP/MPPMCL		0.00	0.00	0.00	0.00	0.00	0.00	-15.25	-187.20	-628.55	-655.67	-401.00	0.00	**-1887.68**
	Total		**-768.24**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**-15.25**	**-382.13**	**-777.35**	**-804.47**	**-812.99**	**-532.21**	-4092.64
6.4	**Banking through Traders (To -ve)**														
	PTC		-186.83	-193.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**-379.89**
	NVVNL		-144.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-148.80	**-292.80**
	IIPL		-144.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**-144.00**
	Tata		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	MITTAL/MPPL/KEIPL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	SAPL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-9.67	-9.05	-9.99	**-28.71**
	GMR		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	APPCPL		-287.18	-96.00	0.00	0.00	0.00	0.00	-70.98	-244.29	-372.64	-475.63	-417.07	-386.54	**-2350.33**
	Refex		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Manikarn(MPL)		0.00	0.00	0.00	0.00	0.00	0.00	-38.55	-105.15	-64.01	0.00	0.00	-108.65	**-316.37**
	IVPL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.60	-40.30	**-42.90**
	Total		**-762.01**	**-289.06**	**0.00**	**0.00**	**0.00**	**0.00**	**-109.54**	**-349.43**	**-436.66**	**-485.30**	**-428.72**	**-694.28**	-3555.00
	Total Banking To (-ve) (6.3+6.4)		**-1530.25**	**-289.06**	**0.00**	**0.00**	**0.00**	**0.00**	**-124.79**	**-731.56**	**-1214.00**	**-1289.78**	**-1241.70**	**-1226.50**	-7647.64

Sr. No.	GENERATING STATION	Type of Plant	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
6.5	**Total Net Banking (6.1+6.2+6.3+6.4)**		**-1530.25**	**-268.23**	**791.52**	**2046.05**	**2176.00**	**1671.78**	**-6.98**	**-731.56**	**-1214.00**	**-1289.78**	**-1241.70**	**-1226.50**	**-823.65**
7	**PURCHASE WITHIN PUNJAB (NRSE & PEDA)**														
	Short Term Purchase within Punjab		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Long Term Purchase within Punjab														
	At 11 KV		13.93	19.46	18.38	19.97	30.77	29.84	19.26	7.13	14.61	18.82	20.73	21.53	**234.42**
	At 33 KV		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	At 66 KV		165.06	152.63	137.73	117.98	132.78	121.27	122.76	96.11	136.04	108.30	151.31	186.11	**1628.08**
	At 132 KV and above		39.41	40.26	37.03	25.41	37.34	30.73	33.92	31.41	28.59	24.64	33.65	37.63	**400.02**
	Total long Term Purchase within Punjab		218.40	212.34	193.14	163.35	200.90	181.84	175.94	134.64	179.24	151.75	205.69	245.28	**2262.53**
	Total Purchase within Punjab (Long & Short)		**218.40**	**212.34**	**193.14**	**163.35**	**200.90**	**181.84**	**175.94**	**134.64**	**179.24**	**151.75**	**205.69**	**245.28**	**2262.53**
8	**Unscheduled Interchange**		**-34.39**	**-72.63**	**-76.87**	**-87.16**	**-68.07**	**-80.21**	**-42.11**	**-34.08**	**-49.67**	**-56.82**	**-40.21**	**-38.32**	**-680.54**
9	**Open Access Intra State UI (Import) Non consumer (Railway)**		**-7.44**	**-8.54**	**-11.17**	**-8.76**	**-9.08**	**-7.21**	**-6.64**	**-4.08**	**1.53**	**0.56**	**0.00**	**0.00**	**-60.83**
10	**GROSS POWER PURCHASE (4.9+5.3+6.5+7+8+9)**		**3244.07**	**4380.80**	**5905.97**	**6697.03**	**7779.06**	**6603.90**	**4088.54**	**2977.73**	**3069.74**	**3758.87**	**3273.78**	**3474.86**	**55254.34**
11	Interstate Transmission Losses on Purchase		85.58	76.30	110.26	166.50	163.91	140.90	74.12	70.94	93.44	106.80	99.72	93.04	1281.52
	% Inter state Transmission Losses		3.82%	3.50%	3.11%	3.91%	3.28%	3.21%	3.97%	4.16%	4.31%	3.82%	3.81%	3.58%	3.66%
12	**NET POWER PURCHASE (10-11)**		**3158.48**	**4304.50**	**5795.70**	**6530.52**	**7615.15**	**6463.00**	**4014.42**	**2906.79**	**2976.30**	**3652.07**	**3174.07**	**3381.82**	**53972.82**
13	**Sale by PSPCL**														
13.1	**Sale by PSPCL Thru Exchange**														
	PTC		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	TATA		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	GMR		-2.96	-136.63	-302.82	-180.11	-200.50	-145.80	-232.81	-50.33	-7.34	-19.97	-5.47	-13.30	**-1298.05**
	NVVN		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Total		**-2.96**	**-136.63**	**-302.82**	**-180.11**	**-200.50**	**-145.80**	**-232.81**	**-50.33**	**-7.34**	**-19.97**	**-5.47**	**-13.30**	**-1298.05**
13.2	**Sale by PSPCL Thru Traders/Short Term**														

Sr. No.	GENERATING STATION	Type of Plant	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	PTC		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	TATA		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	MANIKARAN (MPL)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	INSTINCT		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Total		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	Total Sale by PSPCL (13.1+13.2)		**-2.96**	**-136.63**	**-302.82**	**-180.11**	**-200.50**	**-145.80**	**-232.81**	**-50.33**	**-7.34**	**-19.97**	**-5.47**	**-13.30**	**-1298.05**
14	**Royality/Free Share to HP/RSD share**														
	Shanan Royalty		-6.66	-6.19	-5.64	-5.67	-6.67	-5.64	-5.67	-2.64	-1.14	-1.18	-1.16	-4.68	**-52.93**
	RSD Share to HP		-4.68	-8.02	-10.25	-15.44	-15.00	-12.03	-1.78	-0.94	-1.57	-1.88	-0.32	-1.99	**-73.90**
	RSD Share to J&K		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Total		**-11.34**	**-14.21**	**-15.89**	**-21.11**	**-21.67**	**-17.67**	**-7.45**	**-3.58**	**-2.70**	**-3.06**	**-1.48**	**-6.67**	**-126.83**
15	**Open Access Intra State UI (Sale)**		**0.04**	**0.04**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.06**	**0.00**	**0.17**
16	**Open Access Intra State UI (Import)**		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.01**
17	**2% Energy injected by NRSE OA Generators in lieu of Transmission & wheeling Charges**		**0.00**	**0.03**	**0.02**	**0.02**	**0.04**	**0.04**	**0.03**	**0.02**	**0.01**	**0.00**	**0.06**	**0.01**	**0.27**
18	**NET AVAILABILITY for PSPCL (3+12+13+14+15+16+17)**		**4147.58**	**5180.11**	**6959.76**	**8174.28**	**9554.38**	**7950.50**	**5220.63**	**3769.78**	**4307.73**	**4842.36**	**4443.03**	**4620.26**	**69170.41**
19	**Open Access (PURCHASE) Gross**		**24.17**	**23.69**	**21.54**	**21.70**	**24.81**	**24.79**	**25.51**	**26.09**	**31.44**	**30.34**	**28.07**	**25.20**	**307.35**
	Open Access Inter State Transmission Losses		0.92	0.83	0.69	0.74	0.82	0.84	0.84	0.91	1.23	1.18	1.03	0.89	**10.94**
	Open Access (PURCHASE) Net		**23.25**	**22.86**	**20.85**	**20.96**	**23.98**	**23.94**	**24.67**	**25.18**	**30.21**	**29.16**	**27.04**	**24.31**	**296.42**
20	**Open Access (SALE)**		**-0.90**	**-1.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**-1.92**
21	**Open Access Transactions within State (Wheeling) Open Access Injection**		**0.19**	**0.23**	**0.83**	**0.84**	**1.66**	**1.64**	**1.21**	**0.73**	**2.67**	**2.89**	**3.25**	**2.54**	**18.67**

Sr. No.	GENERATING STATION	Type of Plant	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
22	NET AVAILABILITY FOR PUNJAB STATE (18+19+20+21)		4170.12	5202.18	6981.44	8196.08	9580.03	7976.08	5246.51	3795.69	4340.61	4874.41	4473.31	4647.12	69483.58
23	POWER CUT IMPOSED		5.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.32
24	UNRESTRICTED REQUIREMENT of PSPCL (18+23)		4152.90	5180.11	6959.76	8174.28	9554.38	7950.50	5220.63	3769.78	4307.73	4842.36	4443.03	4620.26	69175.73
25	UNRESTRICTED REQUIREMENT of PUNJAB STATE (22+23)		4175.44	5202.18	6981.44	8196.08	9580.03	7976.08	5246.51	3795.69	4340.61	4874.41	4473.31	4647.12	69488.90

Note: The Guru Amardas Thermal Power Plant ,Goindwal Sahib (erstwhile GVK) has been taken over by PSPCL w.e.f 07.02.2024 and included in Own Thermal Generation.

Annual Accounting Report PSPCL FY 2023-24

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General Information

1	Name of the DISCOM	Punjab State Power Corporation Limited (PSPCL)			
2	i) Year of Establishment	2010			
	ii) Government/Public/Private	Government			
3	DISCOM's Contact details & Address				
i	City/Town/Village	Patiala			
ii	District	Patiala			
iii	State	Punjab	Pin	147001	
iv	Telephone	0175-2212005	Fax	0175-2213199	
4	Registered Office				
i	Company's Chief Executive Name	Er. Baldev Singh Sran			
ii	Designation	CMD PSPCL			
iii	Address	The Mall, Patiala			
iv	City/Town/Village	Patiala	P.O.	Patiala	
v	District	Patiala			
vi	State	Punjab	Pin	147001	
vii	Telephone	0175-2212005	Fax	0175-2213199	
5	Nodal Officer Details*				
i	Nodal Officer Name (Designated at DISCOM's)	Er. Inderpal Singh			
ii	Designation	Chief Engineer (Energy Audit & Enforcement)			
iii	Address	Shed No. B2, Shakti Vihar, Patiala			
iv	City/Town/Village	Patiala	P.O.	Patiala	
v	District	Patiala			
vi	State	Punjab	Pin	147001	
vii	Telephone	0175-2215774	Fax	0175-2215774	
6	Energy Manager Details*				
i	Name	Er. Ravi Verma			
ii	Designation	ASE	Whether EA or EM	EA	
iii	EA/EM Registration No.	EA-7969			
iv	Telephone		Fax		
v	Mobile	96461 18860	E-mail ID	ravverma76@gmail.com	
7	Period of Information				
	Year of (FY) information including Date and Month (Start & End)	1 April 2023 - 31 March 2024			

Dy.C.E./D.S.M.
P.S.P.C.L., Patiala

Er. Ravi Verma
EA- 7969
Energy Auditor
PSPCL, Patiala

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Performance Summary of Electricity Distribution Companies			
1	Period of Information Year of (FY) information including Date and Month (Start & End)	1 April 2023 - 31 March 2024	
2	**Technical Details**		
(a)	**Energy Input Details**		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	70604.92
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	66886.39
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	59711.85
(b)	Transmission and Distribution (T&D) loss Details*	Million kwh	7174.54
		%	10.73%
	Collection Efficiency	%	100.00%
(c)	Aggregate Technical & Commercial Loss	%	10.73%

DISCOM Distribution Losses

NOTE (*) : Point 2(b) T&D Losses are calculated only for PSPCL i.e.DISCOM. Inter state & Intra state Transmission losses of PSTCL not included.

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.

CE/TA&T
PSPCL, Patiala

Name of Authorised Signatory
Name of the DISCOM:
Full Address:-

Signature:-
Name of Energy Manager: Er. Ravi Verma
Registration Number: EA: 7969
Energy Auditor
PSPCL, Patiala.

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Form-Details of Input Infrastructure					
1	Parameters	Total	Covered during in audit	Verified by Auditor in Sample Check	Remarks (Source of data)
i	Number of circles	21	21	21	CE/Planning
ii	Number of divisions	104	104	104	CE/Planning
iii	Number of sub-divisions	508	508	508	CE/Planning
iv	Number of feeders	13441	13441	13441	Director/D Reports link
v	Number of DTs	1284607	1284607	1284607	Director/D Reports link
vi	Number of consumers	10741902	10741902	10741902	CE/Planning
2	Parameters	66kV and above	33kV	11/22kV	LT
a.i	Number of conventional metered consumers	45	0	68701	8497948
ii	Number of consumers with 'smart' meters	11	0	19839	734569
iii	Number of consumers with 'smart prepaid' meters	0	0	0	0
iv	Number of consumers with 'AMR' meters	181	53	94034	4016
v	Number of consumers with 'non-smart prepaid' meters	0	0	0	0
vi	Number of unmetered consumers	0	0	0	1382705
vii	Number of total consumers	237	53	122374	10619238
b.i	Number of conventionally metered Distribution Transformers	0	0	22377	6542
ii	Number of DTs with communicable meters	185	4	23170	3127
iii	Number of unmetered DTs	0	0	1239203	0
iv	Number of total Transformers	185	4	1274749	9669
c.i	Number of metered feeders	187	5	13249	0
ii	Number of feeders with communicable meters	187	5	13249	0
iii	Number of unmetered feeders	0	0	0	0
iv	Number of total feeders	187	5	13249	0
d.	Line length (ct km)	11707 km	50.7 +23(d/c)=73.7	252286	156323
e.	Length of Aerial Bunched Cables	0	0	1134.628	1667.765
f.	Length of Underground Cables	97.477	0	371.894	41.270

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S	Voltage level	Particulars	MU	Reference	Remarks (Source of data)
i	66kV and above (Inter-State)	Long-Term Conventional	26788.68	Includes input energy for franchisees	
		Medium Conventional (unscheduled interchange)	-741.37		value of unscheduled interchange energy is entered as the provision of the same has not provided in the performa
		Short Term Conventional	8272.19		
		Banking	-823.65		
		Long-Term Renewable energy	3665.25		
		Medium and Short-Term RE	0.00	Includes power from bilateral/ PX/ DEEP	
		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	-1424.44		
		Quantum of inter-state transmission loss	1494.51	As confirmed by SLDC, RLDC etc	
		Power procured from inter-state sources	93736.65	Based on data from Form 5	
		Power at state transmission boundary	32302.15		
ii	66kV and above (Intra-State)	Long-Term Conventional	34605.74		Power procured from intra state sources at different voltage levels
		Medium Conventional	NA		
		Short Term Conventional	NA		
		Banking	NA		
		Long-Term Renewable energy	2028.10		NRSE power procured from intra state sources at 66KV and above
		Medium and Short-Term RE			
		Captive, open access input			
		Sale of surplus power			
		Quantum of intra-state transmission loss	2284.023		
		Power procured from intra-state sources	36633.84		PSTCL
iii		**Input to DISCOM wires network**	66652		
iv	33 kV	Renewable Energy Procurement	0.00		
		Small capacity conventional/ biomass/ hydro plants Procurement	0.00		
		Captive, open access input	0.00		
v	11 kV	Renewable Energy Procurement	234.42		NRSE power procured from intra state sources at 11KV
		Small capacity conventional/ biomass/ hydro plants Procurement	0.00		PSTCL
		Sales Migration Input			
vi	LT	Renewable Energy Procurement	98.48		Rooftop Solar Energy
		Sales Migration Input	-98.48		
vii	**Energy Embedded within DISCOM wires network**	**Energy Embedded within DISCOM wires network**	234.42		
viii	**Total Energy Available/ Input**	**Total Energy Available/ Input**	66886.30		

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#	Voltage level	Energy Sales Particulars	MU	Reference	
I	11KV/LT	DISCOM' consumers		Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	
		Embedded generation used		Demand from embedded generation at LT level	
		Sale at 11KV/LT level	0.00		[illegible]
		Quantum of 11KV/LT level losses	0.000		
		Energy Input at11 KV/ LT level			
II	33 kV Level	DISCOM' consumers		Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	
		bedded generation at 33 kV level used		Demand from embedded generation at 11kV level	
		Sales at 33 kV level	0.00		
		Quantum of Losses at 33 kV	0.000		
		Energy Input at 33 kV level			
III	66>/66/33/11 / 0.44 KV	DISCOM' consumers	59711.85	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	9.88	Non DISCOM's sales	
		Embedded generation at 66 kV or below level		This is DISCOM and OA demand met via energy generated at same voltage level	
		Sales at 66 kV level	59711.85		
		Quantum of Losses at 66 kV>	10893.07	[illegible]	
		Energy input at 66kV Level	70604.92		
IV	> 66 kV	DISCOM' consumers		Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	
		Cross border sale of energy	0		
		Sale at other DISCOMs	0		
		Banking	0		
		Energy input at > 66kV Level			
		Sales at 66kV and above (EHV)			
Total Energy Requirement			**70604.92**		
Total Energy Sales			**59711.85**		

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Energy Accounting Summary					
S	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT				
ii	11KV				
iii	33 KV				
iv	66/33/11 / 0.44 KV	66886.39	59711.85	7174.54	10.73%
S	Open Access, Captive	Input (in MU)	Sale (in MU)	Loss (in MU)	
i	LT	0	0	0	
ii	11 Kv	0	0	0	
iii	33 kv	0	0	0	
iv	> 33 kv				

Loss Estimation for DISCOM	
T&D loss	10,893.07
D loss	7,174.54
T&D loss (%)	15.43%
D loss (%)	10.73%

(D losses/(Total Energy requirement-Interstate transmission losses-Intra state transmission losses)

NOTE: D Losses 10.73% are calculated by Net input energy (At DISCOM Periphery after adjusting the transmission losses and energy traded) 70604.92-1434.51-2284.023= 66886.39MU basis.

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Er. Ravi Verma
EA- 7969
Energy Auditor
PSPCL, Patiala

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

Division Wise Losses

Period from 01.04.2019 To 31.01.2020

S.No.	Name of circle	Circle code	Name of Division	Consumer category	No of connection	No of connection	Total Number of connections	% of number of connections	Connected Load (Metered)	Connected Load	Total Connected Load	% of connected load	Input energy	Metered	Unmetered/assessed	Total energy	% of energy consumption	T&D loss (MU)	T&D loss (%)	Billed Amount in Rs.	Collected Amount in Rs.	Collection Efficiency
					Consumer profile								**Energy parameters**	**Billed energy (MU)**				**Losses**		**Commercial Parameter**		
1	CITY AMRITSAR	8	DS CITY CENTER DIVN., ASR	Residential	44529		44529	72%	105.41		335.03	47%	422.00	117.803		117.803	42%	43.503	15.85%			
				Agricultural	263	0	263	0%	1.41	0.00	1.414	1%		4.812	0.000	4.812	2%					0.00%
				Commercial/Industrial-LT	17318		17222	28%	119.86		119.883	43%		121.178		121.178	43%					0.00%
				Commercial/Industrial-HT	40		49	0%	14.48		14.476	6%		31.182		31.182	11%					0.00%
				Others	210		350	0%	3.33		5.525	2%		3.064		3.064	1%					0.00%
Sub-total					61997	0	61997	100%	242.928	0	242.928	100%	322.00	278.039	0.000	278.039	100%	43.960	13.65%	259.41	163.53	102.57%
2	CITY AMRITSAR	8	DS CIVIL LINES TECH DIVN.	Residential	31664		31664	51%	143.61		143.416	53%	261.00	118.548		118.540	40%	27.127	8.60%			
				Agricultural	7	0	7	0%	0.04	0.00	0.035	0%		0.000	0.000	0.001	0%					0.00%
				Commercial/Industrial-LT	10438		10435	17%	117.52		117.523	43%		115.921		115.921	42%					0.00%
				Commercial/Industrial-HT	6		6	0%	6.68		6.681	3%		3.087		4.087	1%					0.00%
				Others	55		55	0%	3.62		3.62	1%		7.914		7.914	3%					0.00%
Sub-total					42210	0	42218	100%	271.275	0	271.275	100%	282.00	255.471	0.000	255.471	100%	27.127	9.60%	259.41	163.53	102.57%
3	CITY AMRITSAR	8	DS DIVN. HAKIMA GATE, ASR	Residential	42316		42316	66%	91.13		91.133	48%	178.88	85.148		85.148	47%	29.379	16.43%			
				Agricultural	14	0	14	0%	0.00	0.00	0.068	0%		3.223	0.000	0.213	0%					0.00%
				Commercial/Industrial-LT	23504		23504	37%	72.22		73.22	30%		59.470		89.470	21%					0.00%
				Commercial/Industrial-HT	7		7	0%	3.17		3.169	2%		3.036		3.036	2%					0.00%
				Others	118		118	0%	1.07		1.067	0%		1.602		1.602	1%					0.00%
Sub-total					65359	0	65359	100%	167.673	0	167.677	100%	178.88	149.471	0.000	149.478	100%	29.379	16.43%	259.41	163.53	102.57%
4	CITY AMRITSAR	8	DS INTL. AREA TECH DIVN.	Residential	49805		49805	80%	107.42		107.423	44%	245.72	131.381		131.383	48%	41.960	17.08%			
				Agricultural	84	0	84	0%	0.27	0.00	0.273	0%		0.541	0.000	0.542	0%					0.00%
				Commercial/Industrial-LT	13107		13107	21%	73.81		73.807	30%		65.562		65.562	24%					0.00%
				Commercial/Industrial-HT	6		6	0%	2.31		2.772	1%		4.175		4.175	2%					0.00%
				Others	126		126	0%	0.91		0.91	0%		1.322		1.322	0%					0.00%
Sub-total					63138	0	63138	100%	184.743	0	184.743	100%	245.72	203.781	0.000	203.781	100%	41.960	17.08%	259.41	163.53	102.57%
5	GURDASPUR	9	DS CITY DIVN. BATALA	Residential	75292		75292	127%	140.92		140.059	58%	351.07	157.363		157.363	57%	59.282	16.89%			
				Agricultural	306	13118	13424	22%	0.84	40.17	61.007	25%		2.456	69.421	71.877	26%					0.00%
				Commercial/Industrial-LT	14152		14152	23%	59.81		59.804	25%		46.843		46.843	17%					0.00%
				Commercial/Industrial-HT	19		19	0%	9.19		9.332	4%		15.432		15.432	6%					0.00%
				Others	46		46	0%	0.70		0.696	0%		0.981		0.981	0%					0.00%
Sub-total					89815	13118	102933	100%	211.855	40.573	272.428	100%	351.07	222.364	69.421	291.785	100%	59.282	16.89%	195.04	198.94	102.00%
6	GURDASPUR	9	DS CITY DIVN. PATHANKOT	Residential	118242		118242	191%	170.92		170.913	70%	485.57	203.403		203.403	73%	18.888	3.89%			
				Agricultural	112	4652	4764	8%	1.04	37.25	38.905	8%		4.320	44.076	48.298	10%					0.00%
				Commercial/Industrial-LT	26681		26600	43%	84.40		84.4	35%		76.997		76.407	28%					0.00%
				Commercial/Industrial-HT	259		259	0%	76.96		76.958	32%		96.310		96.310	25%					0.00%
				Others	67		67	0%	30.93		34.872	7%		41.173		41.173	15%					0.00%
Sub-total					145236	4652	149888	100%	350.884	17.340	348.23	100%	485.57	421.705	44.976	466.681	100%	18.888	1.99%	294.53	295.94	100.48%
7	GURDASPUR	9	DS DIVN. QADIAN	Residential	74609		74609	120%	126.21		126.205	52%	349.29	142.561		142.841	51%	66.919	19.16%			
				Agricultural	55	20399	20454	33%	0.38	67.10	97.462	40%		0.772	107.872	107.544	30%					0.00%
				Commercial/Industrial-LT	9024		9024	15%	26.40		26.208	11%		23.956		23.956	9%					0.00%
				Commercial/Industrial-HT	15		15	0%	3.89		3.893	2%		7.444		7.444	3%					0.00%
				Others	6		6	0%	0.10		0.102	0%		0.148		0.548	0%					0.00%
Sub-total					83749	20399	104148	100%	156.963	97.098	254.95	100%	349.29	174.073	107.872	282.571	100%	66.919	19.16%	178.94	184.06	102.89%
8	GURDASPUR	9	DS DIVN. DHARIWAL	Residential	57920		57920	55%	85.89		85.031	35%	252.82	110.[illegible]		110.696	43%	50.487	19.97%			
				Agricultural	165	15645	15810	26%	0.05	59.47	60.817	25%		1.[illegible]	69.783	71.051	29%					0.00%
				Commercial/Industrial-LT	7367		7367	12%	17.76		17.763	7%		16.508		16.608	6%					0.00%
				Commercial/Industrial-HT	12		12	0%	2.90		2.901	1%		2.531		2.531	1%					0.00%
				Others	26		26	0%	0.43		0.432	0%		0.967		0.967	0%					0.00%
Sub-total					65490	15645	81135	100%	106.598	59.465	166.064	100%	252.82	132.552	69.783	202.336	100%	50.487	19.97%	135.24	133.28	98.55%
9	GURDASPUR	9	DS DIVN. GURDASPUR	Residential	111757		111757	180%	176.93		176.933	73%	393.14	204.056		204.056	73%	59.602	15.24%			
				Agricultural	67	18607	18674	30%	0.23	63.23	63.456	26%		0.490	58.000	58.490	21%					0.00%
				Commercial/Industrial-LT	16975		16975	27%	51.88		51.878	21%		45.736		45.736	16%					0.00%
				Commercial/Industrial-HT	18		18	0%	6.51		6.51	3%		6.478		6.478	2%					0.00%
				Others	40		40	0%	5.64		5.64	2%		16.759		16.759	6%					0.00%
Sub-total					128857	18607	147464	100%	241.144	63.230	304.412	100%	393.14	273.519	58.000	331.519	100%	59.602	15.24%	218.73	222.58	101.76%
10	GURDASPUR	9	DS S/U DIVN. BATALA	Residential	96927		96927	156%	131.88		131.878	54%	470.54	178.153		178.153	64%	122.318	26.00%			
				Agricultural	243	25576	25819	42%	0.79	109.60	110.355	45%		1.545	134.827	136.372	42%					0.00%
				Commercial/Industrial-LT	13489		13489	19%	45.17		45.168	19%		35.776		35.776	13%					0.00%
				Commercial/Industrial-HT	33		33	0%	12.76		12.76	5%		12.226		12.226	4%					0.00%
				Others	63		63	0%	2.20		2.203	1%		5.73		5.752	2%					0.00%
Sub-total					108755	25576	134327	100%	192.8	109.600	302.404	100%	470.54	233.393	114.827	348.259	100%	122.318	26.00%	259.13	255.25	98.50%

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11	GURDASPUR	8	DS S/U DIVN. PATHANKOT	Residential	94932		94932	113%	146.58		144.579	67%	345.22	102.518		102.518	58%	23.688	6.86%			0.00%
				Agricultural	240	5192	5422	9%	1.67	17.68	33.265	8%		0.185	27.645	27.830	10%					0.00%
				Commercial/Industrial-LT	18690		18690	30%	99.42		69.524	29%		66.300		66.300	24%					0.00%
				Commercial/Industrial-HT	50		50	0%	18.91		19.919	8%		13.422		13.422	5%					0.00%
				Others	24		24	0%	20.01		20.059	8%		51.461		51.462	19%			209.44	213.75	101.58%
Sub-total					113928	5192	119118	100%	214.88	17.500	272.459	100%	345.22	233.8?7	27.645	321.532	100%	23.688	6.86%	209.44	212.75	101.58%
12	SUB URBAN AMRITSAR	11	DS DIVN. JANDIALA GURU	Residential	72049		72049	116%	100.81		192.833	47%	502.62	151.932		151.932	55%	98.264	19.55%			0.00%
				Agricultural	206	16647	16853	27%	1.06	112.15	113.21	47%		5.534	101.887	107.421	39%					0.00%
				Commercial/Industrial-LT	8740		8740	14%	60.86		93.959	28%		65.752		65.752	23%					0.00%
				Commercial/Industrial-HT	81		81	0%	40.85		41.846	17%		71.393		71.393	25%					0.00%
				Others	37		37	0%	4.76		4.761	2%		9.868		9.868	4%			277.03	273.41	98.69%
Sub-total					82126	16647	87763	100%	210.447	112.15	422.597	100%	502.62	302.4??	101.887	404.958	100%	98.263	19.55%	277.03	273.41	98.69%
13	SUB URBAN AMRITSAR	11	DS EAST DIVN AMRITSAR	Residential	162510		162519	202%	396.12		396.122	163%	1003.11	405.213		405.217	104%	144.028	13.68%			0.00%
				Agricultural	806	0	806	1%	3.76	0.00	3.765	2%		20.950	0.000	20.950	8%					0.00%
				Commercial/Industrial-LT	27531		27531	44%	201.26		201.266	83%		226.275		226.275	81%					0.00%
				Commercial/Industrial-HT	80		80	0%	69.48		69.483	29%		164.538		164.538	59%					0.00%
				Others	287		287	0%	24.10		24.102	10%		41.108		41.108	16%			424.68	428.15	100.82%
Sub-total					191223	0	191223	100%	694.756	0	694.756	100%	1003.11	909.07?	0.000	909.078	100%	144.028	13.68%	425.88	426.15	100.06%
14	SUB URBAN AMRITSAR	11	DS S/U DIVN AMRITSAR	Residential	79092		79092	128%	119.31		119.308	49%	621.16	137.639		137.639	50%	186.799	29.97%			0.00%
				Agricultural	202	19511	19713	32%	0.48	98.87	99.047	41%		7.151	101.898	109.049	39%					0.00%
				Commercial/Industrial-LT	7987		7987	13%	57.14		57.338	24%		84.543		84.545	31%					0.00%
				Commercial/Industrial-HT	90		90	0%	42.84		42.842	18%		101.622		102.622	37%					0.00%
				Others	22		22	0%	1.76		1.75	1%		2.686		2.686	1%			300.53	291.09	96.86%
Sub-total					87358	19511	106864	100%	221.107	98.866	321.068	100%	621.16	334.641	101.898	436.539	100%	186.799	29.97%	300.53	291.09	96.86%
15	SUB URBAN AMRITSAR	11	DS WEST DIVN. ASR	Residential	54681		54631	89%	75.18		75.178	31%	482.16	101.132		130.132	50%	202.850	42.07%			0.00%
				Agricultural	51	18875	18926	31%	0.26	114.45	114.717	47%		3.706	141.107	144.812	52%					0.00%
				Commercial/Industrial-LT	5337		5337	9%	19.08		20.076	8%		20.519		20.519	7%					0.00%
				Commercial/Industrial-HT	8		8	0%	6.44		6.44	3%		9.208		9.208	3%					0.00%
				Others	31		31	0%	2.85		2.849	1%		4.560		4.560	2%			183.13	184.86	100.94%
Sub-total					60059	18875	78884	100%	107.781	114.488	222.279	100%	482.16	138.5??	141.107	279.432	100%	202.850	42.07%	183.13	184.86	100.94%
16	SUB URBAN AMRITSAR	11	DS DIVN. AJNALA	Residential	62667		62697	101%	85.87		85.871	35%	418.62	105.926		105.926	39%	171.281	40.91%			0.00%
				Agricultural	18	21560	22578	35%	0.01	109.26	109.017	45%		0.354	108.886	109.240	39%					0.00%
				Commercial/Industrial-LT	5890		5890	10%	21.80		21.850	9%		21.672		21.672	8%					0.00%
				Commercial/Industrial-HT	5		5	0%	2.25		2.254	1%		5.396		5.396	2%					0.00%
				Others	26		26	0%	1.38		1.383	1%		4.473		4.473	2%			237.08	154.96	99.01%
Sub-total					68601	21560	90166	100%	111.322	109.261	220.817	100%	418.62	138.461	108.886	247.347	100%	171.281	40.91%	157.08	155.55	99.01%
17	TARN TARAN	12	DS CITY DIVN. TARN TARAN	Residential	71520		71520	115%	104.46		104.455	42%	506.96	144.889		144.889	52%	162.542	32.06%			0.00%
				Agricultural	21	17923	17944	29%	0.11	124.22	124.33	51%		0.309	137.338	137.647	49%					0.00%
				Commercial/Industrial-LT	9380		9388	15%	31.89		31.886	13%		31.629		31.629	11%					0.00%
				Commercial/Industrial-HT	20		20	0%	14.87		14.859	6%		27.088		27.088	10%					0.00%
				Others	20		20	0%	5.36		5.355	2%		3.266		3.266	1%			230.09	229.15	99.59%
Sub-total					80989	17923	98902	100%	156.701	124.225	281.035	100%	506.96	207.081	137.338	344.419	100%	162.542	32.06%	230.09	229.15	99.59%
18	TARN TARAN	12	DS DIVN. BHIKHIWIND	Residential	45283		45283	73%	67.08		67.078	28%	466.42	79.443		79.443	29%	238.016	48.93%			0.00%
				Agricultural	0	19523	19523	32%	0.00	152.56	152.579	63%		0.008	143.818	143.818	52%					0.00%
				Commercial/Industrial-LT	5421		5421	9%	18.43		18.432	8%		17.407		17.407	6%					0.00%
				Commercial/Industrial-HT	6		6	0%	1.92		1.915	1%		2.180		2.180	1%					0.00%
				Others	32		32	0%	1.91		1.912	1%		5.561		5.561	2%			161.76	159.15	98.39%
Sub-total					50742	19523	70275	100%	89.336	152.576	241.915	100%	466.42	104.591	143.818	248.401	100%	238.016	48.93%	161.76	159.15	98.39%
19	TARN TARAN	12	DS DIVN. PATTI	Residential	63466		63466	102%	100.95		100.295	42%	606.00	125.027		125.027	81%	261.951	43.18%			0.00%
				Agricultural	78	20883	20961	34%	0.62	175.24	175.854	72%		5.706	189.086	194.882	70%					0.00%
				Commercial/Industrial-LT	7136		7136	12%	24.57		24.574	10%		26.023		26.023	9%					0.00%
				Commercial/Industrial-HT	36		36	0%	10.47		10.467	4%		9.229		9.229	3%					0.00%
				Others	5		5	0%	0.45		0.451	0%		0.487		0.487	0%			227.36	226.90	99.84%
Sub-total					70721	20883	91604	100%	136.403	175.239	311.642	100%	606.00	155.562	189.086	344.648	100%	261.951	43.18%	227.26	226.90	99.84%
20	TARN TARAN	12	DS DIVN. RAYYA AT BEAS	Residential	85570		85570	138%	149.25		149.248	61%	433.27	176.233		176.233	64%	88.612	20.45%			0.00%
				Agricultural	48	20317	20365	33%	0.46	180.82	141.181	58%		0.505	123.654	124.160	45%					0.00%
				Commercial/Industrial-LT	9268		9268	15%	35.37		35.374	15%		31.702		31.702	11%					0.00%
				Commercial/Industrial-HT	10		10	0%	4.19		4.185	2%		4.274		4.274	2%					0.00%
				Others	18		18	0%	6.16		6.163	3%		8.728		8.728	3%			227.83	227.96	100.05%
Sub-total					94914	20317	115293	100%	194.43	130.811	325.251	100%	433.27	221.004	123.654	344.658	100%	88.612	20.45%	227.83	227.96	100.05%
21	TARN TARAN	12	DS S/U DIVN. TARN TARAN	Residential	57078		57078	92%	89.39		89.385	37%	405.77	127.027		127.027	46%	104.170	25.48%			0.00%
				Agricultural	6	15537	15537	25%	0.00	116.05	116.053	48%		0.000	107.296	107.296	39%					0.00%
				Commercial/Industrial-LT	6368		6368	10%	11.01		31.018	13%		30.374		30.374	11%					0.00%
				Commercial/Industrial-HT	29		38	0%	51.01		51.014	21%		38.375		38.375	14%					0.00%
				Others	13		33	0%	1.21		1.212	0%		1.525		1.525	1%			296.21	291.15	97.42%
Sub-total					63498	15537	79035	100%	172.629	116.053	288.682	100%	405.77	197.304	107.296	304.608	100%	104.170	25.48%	298.21	291.15	97.42%

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22	CITY EAST LUDHIANA	13	DS CITY CEN. (SPL) DIVN.LDH	Residential	29552		29552	48%	49.512		49.512	37%	258.65	74.515		74.515	27%					0.00%
				Agricultural	1	2	3	0%	0.005	0.006	0.01	0%		0.000	0.000	0.000	0%	5.425	2.29%			0.00%
				Commercial/Industrial-LT	33679		33679	54%	313.317		313.317	69%		169.096		169.096	61%					0.00%
				Commercial/Industrial-HT	11		11	0%	3.902		3.902	2%		5.352		5.352	2%					0.00%
				Others	257		257	0%	2.474		2.474	1%		3.861		3.861	2%					0.00%
Sub-total					63500	3	63503	100%	369.21	0.006	369.216	100%	258.65	252.724	0.000	252.724	100%			183.15	183.15	101.66%
23	CITY EAST LUDHIANA	13	DS CIVIL (SPL) DIVN.LDH	Residential	37042		37042	93%	97.649		97.649	40%	403.95	106.472		106.472	33%	5.425	2.27%	183.15	183.15	101.66%
				Agricultural	0	0	0	0%	0	0	0	0%		0.000	0.000	0.000	0%	7.348	1.82%			0.00%
				Commercial/Industrial-LT	17038		17038	27%	180.121		180.121	74%		188.948		188.948	49%					0.00%
				Commercial/Industrial-HT	134		134	0%	59.221		59.221	24%		51.338		51.338	13%					0.00%
				Others	241		241	0%	5.862		5.862	2%		9.847		9.847	4%					0.00%
Sub-total					54455	0	54455	100%	342.853	0	342.854	100%	403.95	356.604	0.000	356.604	100%			295.61	281.07	95.76%
24	CITY EAST LUDHIANA	13	DS F. POINT (SPL) DIVN.LDH	Residential	92996		92996	149%	207.134		207.134	85%	2297.55	231.327		231.327	83%	7.348	1.82%	295.61	283.07	95.78%
				Agricultural	373	355	728	1%	1.374	2.492	3.866	2%		0.208	2.567	2.976	1%	-1.060	-0.05%			0.00%
				Commercial/Industrial-LT	20383		20383	33%	282.704		282.704	116%		311.686		311.686	112%					0.00%
				Commercial/Industrial-HT	825		825	1%	683.23		683.23	282%		1747.669		1747.669	626%					0.00%
				Others	264		264	0%	2.493		2.493	1%		4.966		4.966	2%					0.00%
Sub-total					114841	355	115196	100%	1176.935	2.492	1179.427	100%	2297.55	2295.817	2.567	2298.384	100%			1658.79	1692.51	101.61%
25	CITY EAST LUDHIANA	13	SUNDER NAGAR LDH	Residential	71197		71197	115%	120.959		120.959	50%	703.54	169.488		169.488	81%	-1.060	-0.05%	1668.79	1692.51	101.40%
				Agricultural	19	2907	2926	5%	0.047	18.67	18.717	8%		0.030	14.491	14.521	5%	38.118	5.42%			0.00%
				Commercial/Industrial-LT	19720		19720	32%	242.189		242.189	100%		301.013		301.013	100%					0.00%
				Commercial/Industrial-HT	234		234	0%	100.73		100.73	41%		178.844		178.844	64%					0.00%
				Others	137		137	1%	0.745		0.745	0%		1.556		1.556	1%					0.00%
Sub-total					91307	2907	94214	100%	464.67	18.67	483.34	100%	703.54	650.931	14.491	665.420	100%			492.32	455.25	98.50%
26	CITY WEST LUDHIANA	14	DS AGAR NGR (SPL) DIVN	Residential	99490		99490	163%	432.508		432.508	178%	639.04	382.911		382.911	139%	38.118	5.42%	490.32	455.25	98.93%
				Agricultural	176	1451	1627	3%	0.793	9.953	10.746	4%		0.670	10.065	10.735	4%	40.291	6.30%			0.00%
				Commercial/Industrial-LT	18014		18014	29%	156.224		156.224	64%		163.917		163.917	59%					0.00%
				Commercial/Industrial-HT	22		22	0%	16.106		16.106	7%		33.876		33.876	12%					0.00%
				Others	206		206	0%	9.848		9.848	4%		7.310		7.310	3%					0.00%
Sub-total					117908	1451	119359	100%	615.477	9.953	625.43	100%	639.04	588.684	10.065	598.749	100%			461.46	444.56	96.34%
27	CITY WEST LUDHIANA	14	WEST LUDHIANA	Residential	54465		54465	88%	217.159		217.159	89%	624.95	196.173		196.173	72%	40.291	6.30%	461.46	444.56	96.34%
				Agricultural	63	677	740	1%	0.236	3.216	3.452	1%		0.036	3.087	3.123	1%	22.845	3.58%			0.00%
				Commercial/Industrial-LT	18799		18799	30%	239.793		239.793	99%		243.815		243.815	89%					0.00%
				Commercial/Industrial-HT	264		264	0%	85.303		85.303	35%		135.142		135.142	49%					0.00%
				Others	167		167	0%	3.01		3.01	1%		24.350		24.350	9%					0.00%
Sub-total					73758	677	74435	100%	545.463	3.216	548.679	100%	624.95	599.516	3.087	602.603	100%			440.04	422.89	96.11%
28	CITY WEST LUDHIANA	14	DS ESTATE (SPL) DIVN.LDH	Residential	58490		58490	94%	105.785		105.785	40%	1862.71	135.794		135.794	43%	22.845	3.58%	440.04	422.89	96.11%
				Agricultural	399	1986	2385	4%	1.204	9.347	10.551	4%		0.596	9.572	10.168	4%	89.881	4.83%			0.00%
				Commercial/Industrial-LT	23870		23870	39%	376.669		376.669	155%		337.779		337.779	121%					0.00%
				Commercial/Industrial-HT	663		663	1%	686.254		686.254	282%		1282.038		1282.038	461%					0.00%
				Others	157		157	0%	3.657		3.657	2%		7.066		7.066	3%					0.00%
Sub-total					83579	1986	85565	100%	1173.569	9.347	1182.916	100%	1862.71	1763.273	9.572	1772.845	100%			1499.71	1487.22	99.17%
29	CITY WEST LUDHIANA	14	JANTA NAGAR (SPL) LDH	Residential	70553		70553	114%	137.875		137.875	57%	412.34	161.224		161.224	50%	89.881	4.83%	1496.21	1487.22	99.37%
				Agricultural	0	0	0	0%	0	0	0	0%		0.000	0.000	0.000	0%	32.280	7.83%			0.00%
				Commercial/Industrial-LT	22748		22748	37%	222.418		222.418	92%		181.167		181.167	65%					0.00%
				Commercial/Industrial-HT	44		44	0%	23.044		23.044	9%		36.679		36.679	12%					0.00%
				Others	137		137	0%	2.828		2.828	1%		2.993		2.993	1%					0.00%
Sub-total					93482	0	93482	100%	386.165	0	386.165	100%	412.34	380.063	0.000	380.063	100%			271.38	268.34	98.88%
30	CITY WEST LUDHIANA	14	DS MODEL TOWN (SPL) DIVN.LDH	Residential	73308		73308	118%	333.861		333.861	137%	440.03	275.364		275.364	90%	32.280	7.83%	271.38	268.34	98.88%
				Agricultural	18	441	459	1%	0.085	2.528	2.613	1%		0.031	2.847	2.878	1%	44.227	10.05%			0.00%
				Commercial/Industrial-LT	16969		16969	27%	115.322		115.322	47%		104.748		104.748	38%					0.00%
				Commercial/Industrial-HT	13		13	0%	6.025		6.025	2%		5.509		5.509	2%					0.00%
				Others	173		173	0%	4.308		4.308	2%		7.300		7.300	3%					0.00%
Sub-total					90481	441	90922	100%	459.601	2.528	462.129	100%	440.03	392.950	2.847	395.805	100%			296.26	295.74	99.82%
31	KHANNA	15	DS (SPL)DIVN. M/GOBIN D GARH	Residential	30003		30063	48%	73.364		73.364	30%	5174.06	79.073		79.073	20%	44.227	10.05%	296.26	295.74	99.82%
				Agricultural	0	1479	1479	2%	0	11.242	11.242	5%		0.006	10.612	10.659	4%	124.196	3.01%			0.00%
				Commercial/Industrial-LT	9455		9455	15%	75.661		75.661	31%		53.701		53.701	20%					0.00%
				Commercial/Industrial-HT	352		352	1%	809.462		809.462	333%		2903.907		2903.907	1004%					0.00%
				Others	63		63	0%	1.445		1.445	1%		1.627		1.627	1%					0.00%
Sub-total					39873	1479	41452	100%	959.932	11.242	971.174	100%	5174.06	3038.204	10.612	3048.816	100%			2376.70	2267.53	95.41%
32	KHANNA	15	DS DIVN. AMLOH	Residential	47697		47697	77%	68.897		68.897	28%	912.19	101.889		101.889	37%	124.196	3.01%	2376.70	2267.53	95.41%
				Agricultural	9	13918	13927	22%	0.067	141.563	141.63	58%		0.000	125.514	125.514	45%	42.527	4.66%			0.00%
				Commercial/Industrial-LT	6012		6012	10%	36.427		36.427	15%		29.469		29.469	11%					0.00%
				Commercial/Industrial-HT	85		85	0%	299.54		299.54	123%		611.574		611.574	220%					0.00%
				Others	17		17	0%	0.079		0.079	0%		0.219		0.219	0%					0.00%
Sub-total					53820	13918	67738	100%	405.01	141.563	546.573	100%	912.19	744.151	125.514	869.665	100%			612.77	604.84	98.71%
																		42.527	4.66%	612.77	604.84	98.71%

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33	KHANNA	11	DS DIVN. DORAHA	Residential	45140		45140	73%	74.03		74.03	37%	732.96	101.035		101.035	39%	40.008	5.46%			0.00%
				Agricultural	1	11146	11147	18%	0.000	69.405	69.431	29%		0.000	87.536	87.536	33%					0.00%
				Commercial/Industrial-LT	6532		6532	11%	38.517		38.557	18%		33.206		33.206	12%					0.00%
				Commercial/Industrial-HT	130		130	0%	201.64		201.64	83%		469.743		469.743	193%					0.00%
				Others	32		32	0%	0.560		0.555	0%		1.429		1.429	1%					0.00%
Sub-total					51835	11146	62981	100%	314.759	69.405	364.038	100%	732.96	605.412	87.536	692.948	100%	40.008	5.46%	497.40	492.64	99.03%
34	KHANNA	11	DS DIVN. KHANNA	Residential	89200		89200	144%	175.555		175.555	72%	899.71	200.757		200.757	72%	64.861	7.22%	497.40	492.64	99.03%
				Agricultural	0	15173	15173	24%	0	128.576	128.576	53%		0.000	138.143	138.143	45%					0.00%
				Commercial/Industrial-LT	15694		15694	25%	109.628		109.628	45%		73.872		73.872	27%					0.00%
				Commercial/Industrial-HT	237		237	0%	144.212		144.212	59%		417.811		417.811	150%					0.00%
				Others	54		54	0%	19.577		19.577	8%		6.052		6.052	2%					0.00%
Sub-total					105185	15173	120358	100%	448.982	128.526	577.514	100%	899.71	698.761	138.143	834.646	100%	64.861	7.22%	612.18	620.72	99.78%
35	KHANNA	15	DS DIVN. SIRHIND	Residential	70541		70541	123%	134.787		134.787	55%	753.10	270.121		270.121	63%	53.113	7.05%	612.18	620.72	99.78%
				Agricultural	0	15931	15931	26%	0	140.652	140.652	58%		0.887	151.186	152.073	55%					0.00%
				Commercial/Industrial-LT	19316		19316	21%	67.928		67.928	28%		71.274		71.274	28%					0.00%
				Commercial/Industrial-HT	87		87	0%	86.505		86.505	35%		404.905		404.905	100%					0.00%
				Others	26		26	0%	9.682		9.682	0%		2.614		2.614	1%					0.00%
Sub-total					89970	15931	105901	100%	298.902	140.652	439.554	100%	753.10	548.801	151.186	699.987	100%	53.113	7.05%	494.02	504.68	102.16%
36	SUB URBAN LUDHIANA	17	DS DIVN. ADDA DAKHA	Residential	57700		57700	90%	114.313		114.313	47%	448.74	133.459		133.459	43%	28.128	3.87%	494.02	504.68	102.16%
				Agricultural	3	13520	13523	22%	0.059	108.712	108.771	45%		0.713	135.732	136.445	49%					0.00%
				Commercial/Industrial-LT	9562		9542	15%	49.375		49.375	20%		43.416		43.416	16%					0.00%
				Commercial/Industrial-HT	130		130	0%	53.06		53.06	22%		95.818		95.818	34%					0.00%
				Others	18		18	0%	4.907		4.907	2%		13.277		13.277	5%					0.00%
Sub-total					67413	13520	80931	100%	221.703	108.712	330.415	100%	448.74	286.683	135.732	422.415	100%	29.318	3.87%	294.06	296.19	100.72%
37	SUB URBAN LUDHIANA	17	DS DIVN. AHMEDGARH	Residential	43202		43202	70%	85.413		85.413	35%	326.53	95.308		95.308	34%	29.400	8.02%	294.06	296.19	100.72%
				Agricultural	0	10245	10245	17%	0	87.99	87.99	36%		0.073	103.471	103.544	37%					0.00%
				Commercial/Industrial-LT	7548		7548	12%	37.82		37.82	15%		29.472		29.472	12%					0.00%
				Commercial/Industrial-HT	106		106	0%	42.504		42.504	17%		87.067		87.067	34%					0.00%
				Others	7		7	0%	0.161		0.161	0%		1.654		1.654	1%					0.00%
Sub-total					50954	10245	61199	100%	165.898	87.99	253.888	100%	326.53	184.574	103.471	297.045	100%	29.481	8.03%	206.66	210.85	102.03%
38	SUB URBAN LUDHIANA	17	DS DIVN. JAGRAON	Residential	59913		59913	70%	117.836		117.836	36%	433.05	145.608		144.608	39%	50.179	11.59%	206.66	210.85	102.03%
				Agricultural	45	14574	14619	17%	0.293	124.381	114.628	35%		0.203	143.210	141.418	37%					0.00%
				Commercial/Industrial-LT	10401		10461	12%	49.865		49.865	16%		41.824		41.513	11%					0.00%
				Commercial/Industrial-HT	183		261	0%	40.094		40.094	13%		52.286		52.286	14%					0.00%
				Others	12		12	0%	2.454		2.454	1%		2.805		2.805	1%					0.00%
Sub-total					70533	14574	85308	100%	213.564	124.381	327.866	100%	433.05	281.605	143.216	382.629	100%	50.179	11.59%	261.27	267.02	102.20%
39	SUB URBAN LUDHIANA	17	DS DIVN. RAIKOT	Residential	50062		50062	70%	97.487		97.487	28%	478.71	129.640		129.640	31%	62.355	13.03%	261.27	267.02	102.20%
				Agricultural	18	17105	17123	20%	0.128	188.453	188.581	55%		0.191	238.133	238.324	57%					0.00%
				Commercial/Industrial-LT	7628		7628	9%	32.429		32.429	9%		27.889		27.889	7%					0.00%
				Commercial/Industrial-HT	96		96	0%	26.832		26.832	8%		39.877		39.877	5%					0.00%
				Others	3		3	0%	0.118		0.118	0%		0.428		0.428	0%					0.00%
Sub-total					66807	17105	83912	100%	156.589	188.453	345.442	100%	478.71	178.226	238.133	416.458	100%	62.355	13.03%	277.84	285.13	102.62%
40	SUB URBAN LUDHIANA	17	DS S/U DIVN. LALTON KALAN	Residential	65440		65440	74%	147.945		147.945	40%	476.69	158.866		158.866	311%	91.258	6.98%	277.84	285.13	102.62%
				Agricultural	27	12902	12929	15%	0.356	106.613	106.969	29%		7.200	128.098	128.268	1514%					0.00%
				Commercial/Industrial-LT	9609		9609	11%	71.552		71.532	19%		56.412		56.412	1005%					0.00%
				Commercial/Industrial-HT	72		72	0%	47.605		47.605	13%		99.598		99.598	1991%					0.00%
				Others	10		10	0%	0.178		0.178	0%		0.242		0.242	5%					0.00%
Sub-total					75158	12902	88060	100%	267.486	106.613	374.099	100%	476.60	415.339	128.098	443.426	100%	91.258	6.98%	310.55	303.53	97.74%
41	HOSHIARPUR	23	DS CITY DIVN. HSP	Residential	94106		94106	75%	180.493		180.493	50%	512.13	168.349		168.349	35%	42.557	6.30%	310.55	303.53	97.74%
				Agricultural	307	5501	5808	5%	1.825	45.609	47.434	13%		5.020	80.665	60.685	13%					0.00%
				Commercial/Industrial-LT	24998		24998	20%	83.099		83.099	23%		81.833		81.833	17%					0.00%
				Commercial/Industrial-HT	25		25	0%	48.087		48.087	13%		104.001		104.001	34%					0.00%
				Others	95		95	0%	2.479		2.479	1%		3.605		3.605	1%					0.00%
Sub-total					119531	5501	125032	100%	315.987	45.609	361.576	100%	512.13	418.988	80.665	479.579	100%	32.557	8.39%	334.38	340.55	101.85%
42	HOSHIARPUR	23	DS DIVN. BHOGPUR	Residential	79231		79231	72%	137.941		137.942	49%	330.89	130.194		130.194	43%	29.198	8.02%	334.38	340.55	101.85%
				Agricultural	176	15263	15439	15%	0.431	110.369	110.78	37%		0.010	95.941	99.980	32%					0.00%
				Commercial/Industrial-LT	12233		12233	12%	38.181		38.181	13%		35.247		35.247	12%					0.00%
				Commercial/Industrial-HT	25		25	0%	16.982		36.982	5%		38.564		38.564	13%					0.00%
				Others	39		39	0%	0.188		0.186	0%		1.724		2.724	0%					0.00%
Sub-total					88704	15263	103967	100%	193.181	110.369	303.55	100%	330.89	205.740	95.941	303.665	100%	29.198	8.82%	200.76	204.81	102.07%
43	HOSHIARPUR	23	DS DIVN. DASUYA	Residential	78734		78734	77%	148.071		148.071	60%	262.84	137.642		137.642	3220%	15.127	5.76%	200.76	204.81	102.07%
				Agricultural	36	11187	11223	11%	0.114	55.105	55.219	22%		0.467	66.471	96.918	1603%					0.00%
				Commercial/Industrial-LT	12567		12567	12%	35.769		35.769	15%		36.757		36.757	890%					0.00%
				Commercial/Industrial-HT	12		12	0%	6.01		6.01	2%		3.580		3.580	86%					0.00%
				Others	43		43	0%	1.597		1.537	1%		2.756		2.756	67%					0.00%
Sub-total					91392	11187	103579	100%	191.561	55.105	246.666	100%	262.84	181.241	66.471	317.712	100%	15.127	5.76%	155.48	159.21	102.42%
																				155.48	159.21	102.41%

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44	HOSHIARPUR	23	DS DIVN. MAHILPUR	Residential	74139		74139	79%	105.51		105.51	41%	388.34	114.605		114.605	28%	58.077	14.78%			0.00%
				Agricultural	62	8981	9057	10%	0.345	86.722	86.067	33%		0.272	120.699	120.971	47%					0.00%
				Commercial/Industrial-LT	11886		11886	12%	30.74		30.74	12%		34.953		34.953	12%					0.00%
				Commercial/Industrial-HT	20		20	0%	17.359		17.359	7%		19.183		19.183	7%					0.00%
				Others	5		5	0%	0.11		0.11	0%		0.157		0.157	0%					0.00%
Sub-total					86232	8981	94327	100%	154.064	86.722	240.786	100%	388.34	169.563	120.699	290.262	100%	58.077	14.78%	177.40	183.23	360.63	123.20%
45	HOSHIARPUR	23	UI DIVN. MUKERIAN	Residential	100004		100004	78%	173.656		173.656	85%	283.53	150.761		156.761	55%	0.384	0.14%			0.00%	0.00%
				Agricultural	45	8481	8530	7%	0.113	31.969	32.082	12%		0.082	57.695	57.735	20%					0.00%	0.00%
				Commercial/Industrial-LT	19128		19128	15%	46.006		46.006	18%		46.733		46.733	16%					0.00%	0.00%
				Commercial/Industrial-HT	52		52	0%	14.861		14.861	6%		21.072		21.072	7%					0.00%	0.00%
				Others	9		9	0%	0.73		0.73	0%		1.350		1.350	0%					0.00%	0.00%
Sub-total					119218	8485	127703	100%	236.458	31.969	268.427	100%	283.53	220.454	57.695	283.149	100%	0.384	0.14%	181.67	185.19	366.86	131.30%
46	HOSHIARPUR	23	DS S/U DIVN. HSP	Residential	74168		74168	78%	97.449		97.449	23%	608.18	118.306		118.306	18%	13.145	1.99%	182.67	185.19	367.86	101.98%	0.00%
				Agricultural	20	10540	10560	11%	0.225	54.825	55.05	13%		0.012	104.634	104.646	16%					0.00%	0.00%
				Commercial/Industrial-LT	10590		10590	11%	49.891		49.891	12%		47.906		47.906	7%					0.00%	0.00%
				Commercial/Industrial-HT	87		87	0%	173.573		173.573	42%		375.146		375.146	58%					0.00%	0.00%
				Others	3		3	0%	0.027		0.027	0%		0.039		0.039	0%					0.00%	0.00%
Sub-total					84868	10540	95408	100%	321.165	54.825	415.99	100%	608.18	543.461	104.634	648.035	100%	13.145	1.99%	466.98	447.88	914.86	150.48%
47	JALANDHAR	24	DS Divn. East-I, Jalandhar	Residential	108670		108670	80%	240.389		240.389	56%	553.11	248.940		248.940	50%	51.264	9.27%			0.00%	0.00%
				Agricultural	352	7322	7674	6%	0.469	57.443	57.881	13%		0.572	57.882	57.954	12%					0.00%	0.00%
				Commercial/Industrial-LT	19170		19170	14%	96.073		96.073	22%		99.357		99.357	20%					0.00%	0.00%
				Commercial/Industrial-HT	42		42	0%	13.298		13.298	3%		22.779		22.779	5%					0.00%	0.00%
				Others	149		149	0%	32.596		32.596	7%		72.819		72.819	15%					0.00%	0.00%
Sub-total					128183	7322	135505	100%	383.825	57.443	440.248	100%	553.11	444.466	57.882	502.848	100%	51.264	9.27%	348.71	348.53	697.24	99.94%
48	JALANDHAR	24	DS Divn. East, Jalandhar	Residential	71121		71121	24%	152.059		152.059	22%	995.14	169.603		169.603	18%	43.772	3.80%			0.00%	0.00%
				Agricultural	95	1427	1522	4%	0.263	23.489	23.753	3%		0.254	24.865	25.119	3%					0.00%	0.00%
				Commercial/Industrial-LT	21038		21038	22%	189.766		189.766	27%		183.335		183.335	19%					0.00%	0.00%
				Commercial/Industrial-HT	537		537	2%	334.957		334.957	48%		584.183		584.183	62%					0.00%	0.00%
				Others	127		127	0%	3.093		3.093	0%		5.064		5.064	1%					0.00%	0.00%
Sub-total					92918	1427	94345	100%	680.138	23.489	703.627	100%	995.14	942.889	24.865	967.304	100%	43.772	3.80%	729.72	718.06	1447.78	99.13%
49	JALANDHAR	24	DS Divn. Model Town, Jalandhar	Residential	119079		119079	79%	342.818		342.818	51%	781.45	536.467		536.467	46%	74.666	8.66%			0.00%	0.00%
				Agricultural	39	5659	5698	4%	0.105	55.899	56.004	8%		0.196	50.712	50.907	7%					0.00%	0.00%
				Commercial/Industrial-LT	25593		25593	17%	186.614		186.614	28%		191.264		191.264	27%					0.00%	0.00%
				Commercial/Industrial-HT	227		227	0%	89.966		89.966	13%		123.259		123.259	17%					0.00%	0.00%
				Others	205		205	0%	3.348		3.348	0%		4.848		4.848	1%					0.00%	0.00%
Sub-total					144868	5659	150563	100%	622.851	55.899	678.845	100%	781.45	856.034	50.712	906.746	100%	74.666	8.66%	507.08	504.84	1011.92	99.56%
50	JALANDHAR	24	DS DIVN. PHAGWARA	Residential	89613		89613	77%	167.909		167.909	40%	487.89	185.915		185.915	41%	16.471	3.38%			0.00%	0.00%
				Agricultural	348	9932	9680	8%	1.189	82.719	83.908	20%		3.439	124.642	128.081	27%					0.00%	0.00%
				Commercial/Industrial-LT	17268		17168	15%	88.048		88.048	21%		78.405		78.405	17%					0.00%	0.00%
				Commercial/Industrial-HT	60		60	0%	38.026		38.026	9%		40.054		40.054	8%					0.00%	0.00%
				Others	110		110	0%	10.707		10.707	3%		31.101		31.101	7%					0.00%	0.00%
Sub-total					107398	9932	116840	100%	334.909	82.719	417.628	100%	487.89	340.974	124.642	471.616	100%	16.471	3.38%	316.48	328.65	645.13	101.93%
51	JALANDHAR	24	DS Divn. West Jalandhar	Residential	80802		80802	74%	240.484		240.484	46%	563.65	226.126		226.126	43%	45.535	8.15%			0.00%	0.00%
				Agricultural	87	556	643	1%	0.389	4.814	5.2	1%		0.151	5.182	5.333	1%					0.00%	0.00%
				Commercial/Industrial-LT	26286		29296	27%	205.864		205.864	39%		184.925		184.925	35%					0.00%	0.00%
				Commercial/Industrial-HT	133		188	0%	65.119		65.155	12%		88.931		88.931	17%					0.00%	0.00%
				Others	187		187	0%	6.606		6.606	1%		14.297		14.297	3%					0.00%	0.00%
Sub-total					109706	556	110261	100%	518.455	4.814	523.268	100%	563.65	512.829	5.182	517.713	100%	45.535	8.15%	386.47	380.71	767.18	98.51%
52	KAPURTHALA	25	DS CITY DIVN. KAPURTHALA	Residential	72909		73069	71%	123.63		123.63	34%	452.58	159.097		159.097	40%	55.289	12.22%			0.00%	0.00%
				Agricultural	86	19390	19285	19%	0.638	235.568	156.824	43%		2.578	147.119	150.097	38%					0.00%	0.00%
				Commercial/Industrial-LT	20762		18782	10%	43.227		44.227	12%		41.361		41.361	10%					0.00%	0.00%
				Commercial/Industrial-HT	136		136	0%	42.773		42.773	12%		45.724		45.724	12%					0.00%	0.00%
				Others	43		43	0%	0.636		0.636	0%		1.067		1.067	0%					0.00%	0.00%
Sub-total					80935	19390	1041.35	100%	210.894	155.568	366.28	100%	452.58	250.567	147.119	397.396	100%	55.289	12.22%	272.47	270.56	543.03	99.30%
53	KAPURTHALA	25	DS CITY DIVN. NAKODAR	Residential	75892		75892	70%	129.416		129.416	30%	423.47	128.787		128.787	27%	71.550	16.90%			0.00%	0.00%
				Agricultural	18	21402	21420	20%	0.223	173.461	173.684	40%		0.157	166.366	166.523	47%					0.00%	0.00%
				Commercial/Industrial-LT	11493		11493	11%	36.76		36.76	10%		31.205		31.205	9%					0.00%	0.00%
				Commercial/Industrial-HT	86		86	0%	23.557		23.557	6%		24.605		24.605	7%					0.00%	0.00%
				Others	14		14	0%	0.336		0.336	0%		0.797		0.797	0%					0.00%	0.00%
Sub-total					87512	21402	108914	100%	190.293	173.461	363.753	100%	423.47	185.561	166.366	351.927	100%	71.550	16.90%	239.59	241.74	481.33	100.90%
54	KAPURTHALA	25	DS DIVN. KARTARPUR	Residential	59163		59163	71%	124.378		124.378	44%	258.57	128.788		128.788	47%	23.379	7.83%			0.00%	0.00%
				Agricultural	80	14777	14857	18%	0.841	87.207	88.048	31%		2.306	73.877	76.183	28%					0.00%	0.00%
				Commercial/Industrial-LT	9236		9239	11%	34.561		34.561	12%		33.254		33.254	12%					0.00%	0.00%
				Commercial/Industrial-HT	55		55	0%	37.078		37.078	13%		33.788		33.788	12%					0.00%	0.00%
				Others	27		27	0%	2.818		2.818	1%		5.417		5.417	2%					0.00%	0.00%
Sub-total					68581	14777	83358	100%	199.816	87.207	287.023	100%	299.57	201.313	73.877	275.196	100%	23.379	7.83%	181.94	185.51	367.45	101.94%

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55	KAPURTHALA	24	DS S/U DIVN. KAPURTHALA	Residential	73126		73126	70%	113.464		113.464	45%	387.25	177.747		177.747	51%	37.481	9.68%			0.00%
				Agricultural	100	18753	18853	18%	0.518	103.349	103.863	21%		0.028	83.002	83.029	24%					0.00%
				Commercial/Industrial-LT	11154		11154	11%	49.341		49.341	15%		46.316		46.316	13%					0.00%
				Commercial/Industrial-HT	27		27	0%	22.028		22.028	6%		25.212		25.212	8%					0.00%
				Others	37		37	0%	11.579		11.579	3%		17.467		17.467	4%			223.59	227.60	101.80%
Sub-total					83942	18753	101995	100%	196.926	103.349	300.275	100%	387.25	266.766	83.002	349.768	100%	37.481	9.68%	223.59	227.60	101.80%
56	KAPURTHALA	25	DS S/U DIVN. NADALA	Residential	87129		87129	73%	161.331		161.331	42%	475.42	146.546		146.546	31%	54.053	11.37%			0.00%
				Agricultural	51	17266	17317	14%	0.187	150.931	151.118	40%		0.417	148.401	148.818	32%					0.00%
				Commercial/Industrial-LT	15202		15202	13%	53.511		53.511	14%		44.471		44.471	9%					0.00%
				Commercial/Industrial-HT	49		49	0%	18.25		18.25	4%		38.670		38.670	8%					0.00%
				Others	10		10	0%	0.341		0.341	0%		0.760		0.760	0%			279.03	284.54	101.97%
Sub-total					103438	17266	119704	100%	229.62	150.931	383.414	100%	475.42	232.883	148.401	471.385	100%	54.054	11.37%	279.03	284.54	101.97%
57	NAWANSHAHR	26	DS DIVN. BANGA	Residential	70134		70134	77%	136.493		136.493	55%	287.80	111.454		111.454	44%	33.549	11.66%			0.00%
				Agricultural	11	11428	11439	13%	0.081	82.203	82.284	33%		0.018	109.058	109.077	43%					0.00%
				Commercial/Industrial-LT	9438		9438	10%	30.691		30.691	12%		27.203		27.203	11%					0.00%
				Commercial/Industrial-HT	23		23	0%	5.943		5.943	2%		3.104		3.104	1%					0.00%
				Others	9		9	0%	1.014		1.014	0%		1.349		1.349	1%			206.08	179.37	101.35%
Sub-total					79615	11428	91043	100%	174.222	82.203	256.425	100%	287.80	143.128	109.058	254.246	100%	33.549	11.66%	206.08	179.37	101.35%
58	NAWANSHAHR	26	DS DIVN. GARHSHANKAR	Residential	102476		102476	81%	142.014		142.014	50%	448.00	154.695		154.695	44%	89.009	13.87%			0.00%
				Agricultural	32	10530	10562	8%	0.178	89.359	89.537	31%		0.115	145.921	146.036	41%					0.00%
				Commercial/Industrial-LT	12960		12960	10%	45.474		45.474	16%		49.433		49.410	13%					0.00%
				Commercial/Industrial-HT	31		31	0%	8.73		8.73	3%		7.455		7.455	2%					0.00%
				Others	6		6	0%	0.181		0.181	0%		0.398		0.398	0%			221.73	227.40	102.56%
Sub-total					115505	10530	126035	100%	197.187	89.359	286.546	100%	448.00	213.097	145.921	358.088	100%	89.009	13.87%	221.73	227.40	102.56%
59	NAWANSHAHR	26	DS DIVN. BEHRAM	Residential	78846		78846	76%	137.911		137.911	39%	471.26	134.638		134.638	32%	47.774	10.14%			0.00%
				Agricultural	204	12757	12961	13%	1.088	95.27	96.358	27%		1.345	131.526	132.871	31%					0.00%
				Commercial/Industrial-LT	12917		12917	12%	53.228		53.228	15%		46.024		46.024	11%					0.00%
				Commercial/Industrial-HT	68		68	0%	63.476		63.476	18%		107.951		107.951	25%					0.00%
				Others	11		11	0%	0.506		0.506	0%		1.996		1.996	1%			292.67	299.05	101.45%
Sub-total					90046	12757	102803	100%	256.21	95.27	351.48	100%	471.26	291.954	131.526	423.480	100%	47.774	10.14%	292.67	299.05	101.45%
60	NAWANSHAHR	26	DS DIVN. NAWANSHAHR	Residential	74324		74324	74%	139.543		139.543	50%	310.65	129.924		129.924	46%	28.741	9.25%			0.00%
				Agricultural	130	11730	11860	12%	0.72	66.583	67.303	24%		1.365	83.046	84.411	30%					0.00%
				Commercial/Industrial-LT	13818		13818	14%	54.865		54.865	20%		46.909		46.909	17%					0.00%
				Commercial/Industrial-HT	42		42	0%	14.836		14.836	5%		18.834		18.834	7%					0.00%
				Others	13		13	0%	1.381		1.381	0%		1.787		1.787	1%			193.42	196.57	101.63%
Sub-total					88327	11730	100057	100%	211.245	66.583	277.828	100%	233.63	198.819	83.046	281.865	100%	28.741	9.25%	193.42	196.57	101.63%
61	BARNALA	78	DS CITY DIVN. BARNALA	Residential	78586		78586	68%	149.527		149.527	27%	801.26	182.390		182.390	28%	143.676	17.93%			0.00%
				Agricultural	25	23108	23133	20%	0.152	274.222	274.374	49%		0.238	344.461	344.699	52%					0.00%
				Commercial/Industrial-LT	13838		13838	12%	72.7		72.7	13%		64.066		64.066	10%					0.00%
				Commercial/Industrial-HT	102		102	0%	57.418		57.418	10%		59.546		59.546	9%					0.00%
				Others	10		10	0%	2.274		2.274	0%		6.896		6.896	1%			445.60	452.79	101.61%
Sub-total					92561	23108	115669	100%	282.071	274.222	556.293	100%	801.26	313.136	344.461	657.597	100%	143.676	17.93%	445.60	452.79	101.61%
62	BARNALA	78	DS DIVN. DHANAULA	Residential	68720		68720	69%	116.592		116.592	24%	698.02	155.943		155.943	26%	94.569	13.62%			0.00%
				Agricultural	21	19515	19536	19%	0.363	242.774	242.936	50%		0.578	303.771	304.341	51%					0.00%
				Commercial/Industrial-LT	11769		11769	12%	64.941		64.941	13%		55.422		55.422	9%					0.00%
				Commercial/Industrial-HT	135		135	0%	56.591		56.591	12%		84.264		84.264	14%					0.00%
				Others	12		12	0%	0.689		0.689	0%		1.483		1.483	0%			409.45	413.81	101.06%
Sub-total					80677	19515	100192	100%	239.369	242.774	482.143	100%	694.62	295.680	303.771	599.451	100%	94.569	13.62%	409.45	413.81	101.06%
63	BARNALA	78	DS DIVN. MALERKOTLA	Residential	92023		92023	72%	151.915		151.915	27%	942.27	203.206		203.206	29%	80.490	8.54%			0.00%
				Agricultural	38	16380	16418	14%	0.21	209.35	209.56	37%		0.249	261.583	261.732	30%					0.00%
				Commercial/Industrial-LT	17432		17432	14%	92.768		92.768	16%		77.674		77.674	9%					0.00%
				Commercial/Industrial-HT	126		126	0%	110.021		110.021	19%		304.835		304.835	35%					0.00%
				Others	39		39	0%	5.503		5.503	1%		14.252		14.232	2%			598.29	600.00	100.28%
Sub-total					109658	16380	126038	100%	360.417	209.35	569.767	100%	942.27	600.196	261.583	861.779	100%	80.490	8.54%	598.29	600.00	100.28%
64	BARNALA	78	DS S/U DIVN. BARNALA	Residential	68835		68835	69%	119.61		119.61	19%	786.64	148.400		148.400	24%	162.049	20.60%			0.00%
				Agricultural	19	20307	20326	20%	0.2	256.223	256.423	41%		0.002	325.619	325.619	52%					0.00%
				Commercial/Industrial-LT	10477		10477	10%	70.056		70.056	11%		59.137		58.527	9%					0.00%
				Commercial/Industrial-HT	160		160	0%	172.837		172.837	28%		77.706		77.706	12%					0.00%
				Others	46		46	0%	4.92		4.92	1%		13.726		13.726	2%			416.57	446.65	101.84%
Sub-total					79537	20307	99844	100%	367.623	256.223	623.846	100%	786.64	298.968	325.619	624.587	100%	162.049	20.60%	416.57	446.65	101.84%
65	MOHALI	30	DS DIVN. LALRU	Residential	81292		81292	82%	149.08		149.08	18%	1479.24	166.887		166.887	12%	12.122	0.82%			0.00%
				Agricultural	5	5235	5240	5%	0.023	58.364	58.387	7%		0.015	66.570	66.585	5%					0.00%
				Commercial/Industrial-LT	11317		11317	12%	119.958		119.958	14%		133.563		133.563	9%					0.00%
				Commercial/Industrial-HT	445		445	0%	509.577		509.577	61%		1094.364		1098.554	75%					0.00%
				Others	167		167	0%	3.146		3.146	0%		6.721		6.721	0%			1053.63	1039.24	98.67%
Sub-total					94226	5235	99461	100%	781.784	58.364	840.148	100%	1479.24	1400.550	66.570	1467.120	100%	12.122	0.82%	1053.63	1039.24	98.63%

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66	MOHALI	33	DS DIVN. ZIRAKPUR	Residential	135195		135195	83%	546.323		546.323	62%		362.796		362.796	52%					0.00%
				Agricultural	7	5475	5482	3%	0.063	58.171	58.234	7%		0.243	58.154	58.397	8%					0.00%
				Commercial/Industrial-LT	21081		21081	13%	230.193		230.193	27%	743.97	229.018		229.018	33%	52.659	7.00%			0.00%
				Commercial/Industrial-HT	29		29	0%	23.785		23.785	3%		34.847		34.847	5%					0.00%
				Others	172		172	0%	3.948		3.948	0%		7.548		7.548	1%			496.43	497.31	100.18%
Sub-total					156484	5475	161959	100%	804.312	58.171	850.483	100%	743.97	633.754	58.158	691.912	100%	52.659	7.00%	496.43	497.31	100.18%
67	MOHALI	30	DS SPL. DIVN. MOHALI	Residential	158667		158667	89%	695.052		695.052	52%		561.566		561.566	41%					0.00%
				Agricultural	4	2626	2630	2%	0.075	21.472	21.547	2%		0.090	43.403	43.549	3%					0.00%
				Commercial/Industrial-LT	17116		17116	10%	385.229		385.229	29%	1441.99	421.061		421.061	31%	76.826	5.33%			0.00%
				Commercial/Industrial-HT	276		276	0%	191.55		191.55	14%		291.448		291.448	21%					0.00%
				Others	330		330	0%	39.553		39.553	3%		47.481		47.481	3%			1003.32	1011.46	100.81%
Sub-total					176393	2626	179019	100%	1311.459	21.472	1332.931	100%	1441.99	1321.643	43.403	1365.166	100%	76.826	5.33%	1003.32	1011.46	100.81%
68	PATIALA	31	DS Divn. Model Town, Patiala	Residential	56833		56833	81%	200.618		200.618	68%		167.788		167.788	57%					0.00%
				Agricultural	32	0	32	0%	0.186	0	0.186	0%		0.255	0.000	0.255	0%					0.00%
				Commercial/Industrial-LT	13134		13134	19%	67.557		67.557	23%	383.15	63.806		63.806	22%	39.093	11.73%			0.00%
				Commercial/Industrial-HT	3		3	0%	0.922		0.922	0%		0.684		0.684	0%					0.00%
				Others	98		98	0%	21.327		21.327	7%		61.529		61.529	21%			220.23	224.45	101.92%
Sub-total					70200	0	70200	100%	290.61	0	290.61	100%	383.15	294.062	0.000	294.062	100%	39.093	11.73%	220.23	224.45	101.92%
69	PATIALA	31	DS DIVN. NABHA	Residential	71243		71243	70%	134.963		134.963	33%		166.576		166.576	34%					0.00%
				Agricultural	32	17521	17553	17%	0.283	158.006	158.289	45%		0.596	213.983	214.579	44%					0.00%
				Commercial/Industrial-LT	13429		13429	13%	71.833		71.833	18%	554.51	56.220		56.220	12%	60.831	10.99%			0.00%
				Commercial/Industrial-HT	77		77	0%	34.257		34.257	8%		51.528		51.528	10%					0.00%
				Others	22		22	0%	1.313		1.313	0%		3.800		3.800	1%			333.96	339.67	101.71%
Sub-total					84803	17521	102324	100%	242.749	158.006	400.755	100%	554.51	278.715	213.983	492.698	100%	60.831	10.99%	333.96	339.67	101.71%
70	PATIALA	31	DS DIVN. RAJPURA	Residential	89404		89404	77%	158.562		158.562	26%		184.085		184.085	23%					0.00%
				Agricultural	28	9280	9308	8%	0.179	98.381	98.56	16%		0.143	99.864	100.007	13%					0.00%
				Commercial/Industrial-LT	17320		17320	15%	100.398		100.398	17%	655.65	82.585		82.585	10%	60.095	7.02%			0.00%
				Commercial/Industrial-HT	157		157	0%	241.414		241.414	40%		425.125		425.125	53%					0.00%
				Others	61		61	0%	2.595		2.595	0%		3.151		3.151	0%			564.62	553.53	98.04%
Sub-total					106970	9280	116250	100%	503.146	98.381	601.527	100%	855.65	695.087	99.866	795.553	100%	60.095	7.02%	564.62	553.53	98.04%
71	PATIALA	31	DS DIVN. SAMANA	Residential	54748		54748	70%	77.616		77.616	20%		122.426		122.426	17%					0.00%
				Agricultural	49	15068	15117	19%	0.341	185.721	186.062	47%		0.494	219.722	220.216	31%					0.00%
				Commercial/Industrial-LT	8331		8331	11%	51.411		51.411	13%	816.07	49.226		49.226	7%	115.862	14.19%			0.00%
				Commercial/Industrial-HT	138		138	0%	82.677		82.677	21%		307.881		307.881	44%					0.00%
				Others	7		7	0%	0.156		0.156	0%		0.508		0.508	0%			476.51	480.64	100.87%
Sub-total					63273	15068	78341	100%	212.201	185.721	397.922	100%	816.07	480.543	219.722	700.265	100%	115.862	14.19%	476.51	480.64	100.87%
72	PATIALA	31	DS EAST DIVN. PATIALA	Residential	73469		73469	73%	103.432		103.432	25%		154.357		154.357	27%					0.00%
				Agricultural	70	18130	18200	18%	0.661	230.965	231.626	55%		11.000	239.452	250.452	43%					0.00%
				Commercial/Industrial-LT	8640		8640	9%	45.008		45.008	11%	661.95	42.644		42.644	7%	85.190	12.87%			0.00%
				Commercial/Industrial-HT	57		57	0%	34.253		34.253	8%		113.378		113.378	20%					0.00%
				Others	17		17	0%	5.089		5.089	1%		15.929		15.926	3%			393.84	399.48	101.44%
Sub-total					82253	18130	100383	100%	188.443	230.965	419.408	100%	661.95	337.308	239.452	576.760	100%	85.190	12.87%	393.84	399.48	101.44%
73	PATIALA	31	DS S/U DIVN PATIALA	Residential	83576		83576	76%	163.893		163.833	37%		186.616		186.616	36%					0.00%
				Agricultural	98	15881	15979	15%	0.71	200.618	167.328	38%		0.895	177.853	178.748	34%					0.00%
				Commercial/Industrial-LT	9954		9953	9%	60.172		60.172	14%	598.42	53.339		53.339	10%	77.849	13.01%			0.00%
				Commercial/Industrial-HT	53		53	0%	49.894		49.894	11%		99.419		99.419	19%					0.00%
				Others	63		63	0%	1.695		1.695	0%		2.453		2.453	0%			348.16	354.34	101.77%
Sub-total					93743	15881	109624	100%	276.31	166.618	442.928	100%	598.42	342.722	177.853	520.575	100%	77.849	13.01%	348.16	354.34	101.77%
74	PATIALA	31	DS WEST DIVN PATIALA	Residential	67960		67960	80%	195.522		195.522	55%		181.099		181.099	65%					0.00%
				Agricultural	147	0	147	0%	1.007	0	1.007	0%		0.898	0.000	0.898	0%					0.00%
				Commercial/Industrial-LT	17065		17065	20%	112.55		112.55	32%	353.62	98.802		98.802	31%	34.711	9.82%			0.00%
				Commercial/Industrial-HT	43		43	0%	45.278		45.278	12%		25.595		25.595	8%					0.00%
				Others	117		117	0%	1.06		1.06	0%		2.526		2.526	1%			235.76	233.83	99.18%
Sub-total					85332	0	85332	100%	355.417	0	355.417	100%	353.62	318.910	0.000	318.910	100%	34.711	9.82%	235.76	233.83	99.18%
75	ROPAR	32	DS DIVN. KHARAR	Residential	158620		158620	83%	444.428		444.428	56%		384.947		384.947	43%					0.00%
				Agricultural	297	12253	12550	7%	3.328	116.672	120.001	15%		0.415	124.323	124.738	14%					0.00%
				Commercial/Industrial-LT	19462		19462	10%	142.837		142.837	18%	933.97	151.087		151.087	18%	72.704	7.78%			0.00%
				Commercial/Industrial-HT	118		118	0%	88.568		88.568	11%		195.699		195.699	23%					0.00%
				Others	99		85	0%	2.757		2.757	0%		4.792		4.792	1%			601.17	598.21	99.51%
Sub-total					178533	12253	190786	100%	680.719	116.672	797.391	100%	933.97	736.940	124.323	861.264	100%	72.704	7.78%	601.17	598.21	99.51%
76	ROPAR	32	DS DIVN. ANANDPUR SAHIB	Residential	101229		101229	102%	161.773		161.773	40%		104.968		104.968	20%					0.00%
				Agricultural	2	5837	5839	5%	0.01	26.765	26.775	7%		0.000	85.839	85.839	16%					0.00%
				Commercial/Industrial-LT	15324		15324	12%	56.957		56.957	14%	629.20	57.425		57.425	9%	-5.741	-6.50%			0.00%
				Commercial/Industrial-HT	123		123	0%	160.073		160.073	39%		321.796		321.796	51%					0.00%
				Others	130		130	0%	1.585		1.585	0%		2.910		2.910	0%			441.85	440.54	99.72%
Sub-total					116802	5837	122639	100%	380.398	26.765	407.163	100%	629.20	547.099	85.839	632.938	100%	-5.741	-6.50%	441.85	440.54	99.72%

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77	ROPAR	83	DS DIVN. ROPAR	Residential	78641		78641	76%	254.339		254.339	36%	899.16	259.938		259.938	37%	40.168	5.75%			0.00%
				Agricultural	162	12895	11055	11%	0.866	84.402	85.358	19%		0.505	77.247	77.752	18%					0.00%
				Commercial/Industrial-LT	13592		13592	13%	61.419		61.419	14%		56.619		56.629	13%					0.00%
				Commercial/Industrial-HT	50		50	0%	145.906		143.908	32%		350.418		350.418	81%					0.00%
				Others	78		78	0%	7.089		7.089	2%		14.233		14.233	3%			449.18	453.48	100.96%
Sub-total					82522	12493	103028	100%	357.623	84.402	452.113	100%	899.16	681.723	77.247	658.971	100%	40.168	5.75%	449.18	453.48	100.96%
78	ROPAR	82	DS DIVN. SAMRALA	Residential	89470		89474	72%	153.956		153.956	20%	1805.56	179.581		179.581	10%	85.375	4.85%			0.00%
				Agricultural	131	23200	23331	18%	0.614	121.363	213.977	16%		0.453	121.105	121.555	7%					0.00%
				Commercial/Industrial-LT	13550		13554	11%	69.442		69.442	9%		59.301		59.301	3%					0.00%
				Commercial/Industrial-HT	359		359	0%	417.513		417.513	57%		1354.883		1354.883	79%					0.00%
				Others	30		30	0%	0.648		8.648	0%		1.090		1.090	0%			1224.32	1229.99	100.46%
Sub-total					103544	23200	126748	100%	662.573	121.363	773.536	100%	1805.56	1595.087	121.101	1716.188	100%	89.375	4.85%	1224.32	1229.99	100.46%
79	SANGRUR	83	DS CITY DIVN. SUNAM	Residential	68227		68227	67%	121.204		121.204	25%	728.54	160.525		160.525	27%	127.303	17.47%			0.00%
				Agricultural	52	21316	21368	21%	0.461	266.531	266.562	55%		2.601	314.997	317.598	53%					0.00%
				Commercial/Industrial-LT	11920		11920	12%	59.686		59.086	12%		59.156		59.156	10%					0.00%
				Commercial/Industrial-HT	115		115	0%	37.725		37.725	8%		82.591		82.591	10%					0.00%
				Others	10		16	0%	1.504		1.504	0%		1.365		1.365	0%			397.84	408.53	102.69%
Sub-total					80326	21316	101640	100%	222.58	266.531	487.083	100%	728.54	306.238	314.997	621.235	100%	127.303	17.47%	397.84	408.53	102.69%
80	SANGRUR	84	DS DIVN. DIRBA	Residential	44165		44184	67%	66.028		66.028	20%	476.86	97.677		97.677	21%	93.908	12.77%			0.00%
				Agricultural	0	16272	16272	25%	0	209.346	209.346	63%		0.000	252.626	252.626	54%					0.00%
				Commercial/Industrial-LT	5387		5387	8%	29.682		29.692	9%		26.003		26.003	6%					0.00%
				Commercial/Industrial-HT	79		79	0%	24.852		24.852	8%		89.615		89.615	19%					0.00%
				Others	4		4	0%	0.035		0.035	0%		0.067		0.067	0%			275.59	286.37	103.91%
Sub-total					49658	16272	65925	100%	120.607	209.346	329.954	100%	476.86	183.352	252.626	465.978	100%	88.998	12.77%	275.59	286.37	103.91%
81	SANGRUR	84	DS DIVN. PATRAN	Residential	56607		56607	70%	78.459		78.459	21%	674.52	134.226		134.226	27%	183.712	27.22%			0.00%
				Agricultural	15	15198	15213	19%	0.125	220.91	221.033	60%		0.063	264.318	264.381	54%					0.00%
				Commercial/Industrial-LT	8811		8811	11%	39.899		39.899	11%		38.822		38.822	8%					0.00%
				Commercial/Industrial-HT	79		79	0%	31.657		31.657	9%		73.381		73.381	15%					0.00%
				Others	4		4	0%	0.228		0.228	0%		0.496		0.496	0%			327.72	337.08	102.86%
Sub-total					65516	15198	80714	100%	150.368	220.91	371.271	100%	674.52	246.988	264.318	491.306	100%	183.712	27.22%	327.72	337.08	102.86%
82	SANGRUR	84	DS DIVN. SANGRUR	Residential	70148		70148	71%	144.517		144.517	29%	741.42	189.639		189.639	29%	80.474	10.85%			0.00%
				Agricultural	130	14241	14371	15%	0.919	182.46	183.379	37%		3.549	221.209	224.558	34%					0.00%
				Commercial/Industrial-LT	13537		13537	14%	83.844		83.844	17%		27.721		27.721	12%					0.00%
				Commercial/Industrial-HT	128		128	0%	78.668		78.668	16%		169.344		169.344	26%					0.00%
				Others	15		15	0%	1.726		1.726	0%		4.689		4.689	1%			452.06	460.55	101.88%
Sub-total					83958	14241	98199	100%	309.674	182.46	492.134	100%	741.42	439.742	221.209	660.953	100%	80.474	10.85%	452.06	460.59	101.88%
83	SANGRUR	83	DS S/U DIVN. SUNAM (Lehragaga)	Residential	56160		56160	67%	82.637		82.637	22%	645.40	121.881		121.881	25%	146.110	22.71%			0.00%
				Agricultural	0	19179	19179	23%	0	242.756	242.756	64%		0.000	316.046	316.046	64%					0.00%
				Commercial/Industrial-LT	7916		7916	9%	36.901		36.901	10%		82.602		82.602	7%					0.00%
				Commercial/Industrial-HT	73		73	0%	17.434		17.434	5%		25.353		25.353	5%					0.00%
				Others	10		10	0%	0.182		0.182	0%		0.500		0.500	0%			328.11	336.05	102.42%
Sub-total					64158	19179	83338	100%	137.154	242.756	379.91	100%	643.40	180.343	316.046	407.288	100%	140.120	21.71%	328.11	336.05	102.42%
84	BATHINDA	40	DS CITY DIVN. BATHINDA	Residential	148008		148008	77%	255.44		255.45033	40%	1312.84	427.494		427.494	37%	119.002	9.07%			0.00%
				Agricultural	81	14852	14933	8%	0.57	106.57	107.140875	13%		0.979	136.214	137.192	12%					0.00%
				Commercial/Industrial-LT	28211		28211	15%	186.45		184.44961	22%		171.101		171.101	14%					0.00%
				Commercial/Industrial-HT	206		204	0%	195.49		195.488	22%		364.352		364.352	31%					0.00%
				Others	271		279	0%	41.53		41.592	5%		83.658		83.658	7%			845.87	843.37	99.34%
Sub-total					176777	14852	191635	100%	777.96795	106.571875	884.043805	100%	1312.84	1057.583	138.214	1195.777	100%	118.082	9.07%	845.67	840.07	99.34%
85	BATHINDA	40	DS DIVN. BHAGTA BHAI KA	Residential	47139		47239	65%	67.78		67.705	21%	562.16	95.000		95.000	23%	157.699	28.05%			0.00%
				Agricultural	2	20589	20591	28%	0.02	212.72	212.742	66%		0.044	273.474	273.518	68%					0.00%
				Commercial/Industrial-LT	5232		5232	7%	23.83		23.823	7%		21.364		21.364	5%					0.00%
				Commercial/Industrial-HT	100		110	0%	19.93		19.92504	6%		14.274		14.274	4%					0.00%
				Others	18		18	0%	0.06		0.06	0%		0.301		0.301	0%			287.65	273.38	102.14%
Sub-total					53003	20589	73190	100%	111.61204	212.722	324.33504	100%	562.16	130.983	273.474	404.457	100%	157.699	28.05%	287.65	273.38	102.14%
86	BATHINDA	40	DS DIVN. BUDHLADA	Residential	77386		77386	71%	110.79		110.788	25%	475.65	178.802		178.802	31%	92.836	13.76%			0.00%
				Agricultural	9	21013	21022	19%	0.12	244.11	244.234	56%		0.179	316.245	316.425	54%					0.00%
				Commercial/Industrial-LT	11098		11099	10%	55.79		55.785	13%		48.238		48.238	8%					0.00%
				Commercial/Industrial-HT	135		135	0%	25.88		25.88	6%		38.381		38.381	7%					0.00%
				Others	12		12	0%	0.39		0.367	0%		1.092		1.092	0%			386.91	398.41	102.97%
Sub-total					88643	21013	109654	100%	192.98	244.114	437.074	100%	475.65	266.571	316.145	582.716	100%	92.536	13.76%	386.91	398.41	102.97%
87	BATHINDA	40	DS DIVN. MANSA	Residential	109977		109977	74%	157.20		157.203	33%	754.24	243.319		243.319	38%	113.834	15.05%			0.00%
				Agricultural	8	21005	21013	14%	0.03	204.21	204.239	43%		0.012	292.760	292.772	46%					0.00%
				Commercial/Industrial-LT	16504		16504	11%	81.69		81.687	17%		67.187		67.187	10%					0.00%
				Commercial/Industrial-HT	155		155	0%	34.86		34.855	7%		36.586		36.586	6%					0.00%
				Others	6		6	0%	0.33		0.333	0%		0.843		0.843	0%			424.12	436.71	103.44%
Sub-total					126650	21005	147655	100%	274.117	204.208	478.325	100%	754.24	347.949	292.760	640.709	100%	313.534	33.93%	424.12	436.71	103.44%

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88	BATHINDA	41	DS DIVN. MAUR	Residential	99280		99200	73%	141.88		141.883	18%	1766.88	245.113		245.113	23%	110.834	6.27%			0.00%
				Agricultural	327	23676	24003	18%	1.34	233.05	231.383	28%		3.951	285.054	288.505	17%					0.00%
				Commercial/Industrial-LT	11877		11877	9%	57.65		57.651	8%		55.391		55.391	3%					0.00%
				Commercial/Industrial-HT	209		209	0%	351.23		351.231	40%		1051.327		1051.327	64%					0.00%
				Others	14		14	0%	4.94		4.939	1%		15.310		15.310	1%			1162.38	1166.38	100.35%
Sub-total					111499	23676	135169	100%	557.04	218.667	787.087	100%	1766.38	1370.882	285.054	1655.546	100%	110.834	6.27%	1162.38	1165.38	100.26%
89	BATHINDA	41	DS DIVN. RAMPURA PHUL	Residential	57485		57485	68%	105.59		105.59818	28%	656.27	127.911		127.911	26%	171.447	26.12%			0.00%
				Agricultural	448	14795	15243	18%	3.75	155.78	159.475620	42%		14.447	203.808	218.255	45%					0.00%
				Commercial/Industrial-LT	11098		11098	13%	61.28		61.2753	16%		50.114		50.114	10%					0.00%
				Commercial/Industrial-HT	139		139	0%	50.91		50.91298	13%		80.574		80.574	17%					0.00%
				Others	33		33	0%	3.48		3.477	1%		8.159		8.159	2%			331.46	342.06	103.19%
Sub-total					69171	14795	83966	100%	224.95058	155.777626	381.728185	100%	656.27	281.014	203.808	483.822	100%	171.447	26.12%	331.46	342.06	103.19%
90	FARIDKOT	41	DS CITY DIVN. MOGA	Residential	93065		93065	69%	166.84		166.842	30%	734.01	220.332		220.332	36%	134.909	18.38%			0.00%
				Agricultural	37	26363	26400	20%	0.17	267.18	267.341	48%		0.604	263.406	264.010	44%					0.00%
				Commercial/Industrial-LT	16219		16219	12%	82.40		82.402	15%		77.818		77.818	13%					0.00%
				Commercial/Industrial-HT	114		114	0%	31.83		31.027	6%		37.630		37.630	6%					0.00%
				Others	52		52	0%	2.70		2.705	0%		6.250		6.250	1%			407.69	408.41	100.18%
Sub-total					109507	26363	134850	100%	284.04	267.176	551.216	100%	734.01	335.609	263.406	599.108	100%	134.909	18.38%	407.69	408.41	100.18%
91	FARIDKOT	41	DS DIVN. BAGHAPURANA	Residential	71617		71617	67%	116.06		116.064	24%	756.10	149.548		149.548	27%	208.799	27.62%			0.00%
				Agricultural	155	24841	24996	23%	1.25	286.97	288.257	59%		4.364	297.629	301.993	55%					0.00%
				Commercial/Industrial-LT	9842		9847	9%	40.96		40.954	8%		36.027		36.027	7%					0.00%
				Commercial/Industrial-HT	152		152	0%	43.02		43.024	9%		59.097		59.097	11%					0.00%
				Others	2		2	0%	0.07		0.07	0%		0.636		0.636	0%			375.21	369.68	98.52%
Sub-total					81768	24841	106609	100%	201.402	286.967	488.369	100%	756.10	249.672	297.629	547.301	100%	208.799	27.62%	375.21	369.68	98.52%
92	FARIDKOT	41	DS DIVN. FARIDKOT	Residential	73072		73072	70%	127.71		127.714	41%	421.16	179.048		179.048	52%	79.317	18.83%			0.00%
				Agricultural	88	21522	21610	22%	0.30	106.96	107.263	34%		0.472	80.308	80.980	24%					0.00%
				Commercial/Industrial-LT	9889		9889	9%	49.10		49.101	16%		44.185		44.185	13%					0.00%
				Commercial/Industrial-HT	66		66	0%	21.08		21.08	7%		21.446		21.446	6%					0.00%
				Others	27		27	0%	9.00		8.997	3%		16.183		16.183	5%			227.07	229.86	100.88%
Sub-total					83142	21522	104664	100%	207.204	106.961	314.165	100%	421.16	261.334	80.308	341.842	100%	79.317	18.83%	227.87	229.86	100.88%
93	FARIDKOT	41	DS DIVN. KOTKAPURA	Residential	95030		95030	71%	162.04		162.04	33%	647.48	228.995		228.995	40%	75.916	11.72%			0.00%
				Agricultural	80	23671	23751	18%	0.41	208.78	209.187	43%		1.075	217.087	218.172	38%					0.00%
				Commercial/Industrial-LT	14502		14502	11%	65.75		65.697	14%		54.566		54.566	10%					0.00%
				Commercial/Industrial-HT	157		157	0%	47.85		47.854	10%		68.571		68.571	12%					0.00%
				Others	34		34	0%	0.72		0.723	0%		1.265		1.265	0%			382.16	391.37	102.41%
Sub-total					109803	23671	133474	100%	276.716	208.777	485.493	100%	647.48	354.482	217.087	571.569	100%	75.916	11.72%	382.16	391.37	102.41%
94	FARIDKOT	41	DS S/U DIVN. MOGA	Residential	67205		67205	70%	139.03		139.031	31%	631.58	169.274		169.274	30%	62.435	9.89%			0.00%
				Agricultural	32	17824	17856	19%	0.18	180.88	180.938	42%		8.245	280.700	285.553	48%					0.00%
				Commercial/Industrial-LT	10830		10830	11%	58.05		58.052	13%		49.357		49.357	9%					0.00%
				Commercial/Industrial-HT	150		150	0%	61.90		61.885	14%		88.615		88.615	16%					0.00%
				Others	21		21	0%	0.41		0.412	0%		0.887		0.887	0%			387.38	395.33	102.04%
Sub-total					78238	17824	96062	100%	259.571	180.357	449.928	100%	631.58	316.378	280.700	593.146	100%	62.435	9.89%	387.38	395.38	102.05%
95	FEROZPUR	42	DS CITY DIVN. FEROZEPUR	Residential	67750		67750	69%	110.00		110.002	34%	479.70	157.957		157.957	44%	119.504	24.91%			0.00%
				Agricultural	25	21067	21092	21%	0.09	140.18	140.274	43%		0.907	108.583	109.353	30%					0.00%
				Commercial/Industrial-LT	9451		9451	10%	46.31		46.309	14%		43.136		43.136	12%					0.00%
				Commercial/Industrial-HT	54		54	0%	24.11		24.112	7%		40.291		40.291	11%					0.00%
				Others	33		33	0%	3.50		3.5	1%		9.870		9.870	3%			245.06	241.83	98.68%
Sub-total					77313	21067	98380	100%	184.013	140.183	324.196	100%	479.70	251.604	108.583	360.187	100%	119.504	24.91%	245.06	241.83	98.68%
96	FEROZPUR	42	DS DIVN. JALALABAD	Residential	89005		89005	69%	111.76		111.764	32%	676.07	172.414		172.414	38%	220.855	32.67%			0.00%
				Agricultural	3	28195	28198	22%	0.02	153.84	153.854	44%		0.094	172.235	172.259	38%					0.00%
				Commercial/Industrial-LT	11011		11011	9%	43.08		43.084	12%		35.043		35.043	8%					0.00%
				Commercial/Industrial-HT	81		81	0%	40.22		40.218	11%		70.683		70.683	16%					0.00%
				Others	31		31	0%	1.88		1.879	1%		4.036		4.036	1%			301.73	299.54	99.27%
Sub-total					101232	28195	129427	100%	196.958	153.839	350.797	100%	676.07	282.988	172.236	455.315	100%	220.855	32.67%	301.73	299.54	99.27%
97	FEROZPUR	42	DS DIVN. ZIRA	Residential	69724		69724	63%	105.06		105.065	20%	721.29	147.779		147.779	32%	263.372	36.51%			0.00%
				Agricultural	31	31929	31960	29%	0.21	427.66	427.873	61%		0.287	230.787	231.060	51%					0.00%
				Commercial/Industrial-LT	9198		9198	8%	47.55		47.553	9%		45.760		45.760	10%					0.00%
				Commercial/Industrial-HT	152		152	0%	38.96		38.955	7%		31.939		31.939	7%					0.00%
				Others	42		42	0%	0.71		0.706	0%		1.375		1.375	0%			306.78	305.67	99.64%
Sub-total					79147	31929	111066	100%	192.483	327.659	520.142	100%	721.29	227.140	230.787	457.922	100%	263.372	36.51%	306.78	305.67	99.64%
98	FEROZPUR	42	DS S/U DIVN. FEROZEPUR	Residential	54400		54400	67%	60.17		60.171	28%	300.99	108.518		108.518	40%	131.453	31.86%			0.00%
				Agricultural	24	18821	18845	23%	0.08	93.18	93.26	44%		0.220	89.417	89.637	33%					0.00%
				Commercial/Industrial-LT	8334		8334	10%	28.31		28.308	13%		26.604		26.604	10%					0.00%
				Commercial/Industrial-HT	27		27	0%	6.42		6.417	3%		5.727		5.727	2%					0.00%
				Others	39		39	0%	10.79		10.793	5%		37.998		37.998	14%			182.23	175.70	96.42%
Sub-total					62824	18821	81645	100%	120.772	93.177	213.949	100%	300.99	179.127	89.417	268.544	100%	131.453	31.86%	182.23	175.70	96.42%

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99	MUKATSAR	43	DS DIVN. ABOHAR	Residential	102077		102077	82%	186.50		148.584	56%		213.669		213.669	64%					0.00%
				Agricultural	88	6953	7041	6%	0.49	20.49	25.973	11%		5.003	28.241	28.243	8%					0.00%
				Commercial/Industrial-LT	14829		14820	12%	66.04		66.04	25%	463.67	58.438		58.438	17%	128.785	27.78%			0.00%
				Commercial/Industrial-HT	56		56	0%	17.59		17.59	7%		26.155		26.155	8%					0.00%
				Others	8		8	0%	2.52		2.52	1%		8.383		8.383	3%			224.44	220.01	98.03%
Sub-total					117058	6953	124011	100%	235.22	29.487	264.707	100%	463.67	306.643	28.241	334.884	100%	128.785	27.78%	224.44	220.01	98.03%
100	MUKATSAR	43	DS DIVN. BADAL	Residential	34011		34011	67%	48.88		48.881	32%		81.821		81.821	42%					0.00%
				Agricultural	4	13265	13269	26%	0.03	61.61	61.633	41%		0.018	77.141	77.159	39%					0.00%
				Commercial/Industrial-LT	3396		3396	7%	19.70		19.701	13%	261.10	19.276		19.276	10%	61.398	23.74%			0.00%
				Commercial/Industrial-HT	36		36	0%	21.67		21.667	14%		20.419		20.419	10%					0.00%
				Others	3		3	0%	0.20		0.195	0%		0.335		0.335	0%			135.92	131.49	96.74%
Sub-total					37450	13265	50725	100%	90.47	61.602	152.077	100%	261.10	121.885	77.141	199.026	100%	61.398	23.74%	135.92	131.49	96.74%
101	MUKATSAR	43	DS DIVN. FAZILKA	Residential	80288		80288	70%	107.98		107.982	39%		166.914		166.914	47%					0.00%
				Agricultural	18	23134	23142	20%	0.08	102.76	102.840	38%		0.071	111.158	111.229	31%					0.00%
				Commercial/Industrial-LT	11819		11819	10%	44.24		44.242	16%	426.75	38.909		38.909	11%	71.838	16.86%			0.00%
				Commercial/Industrial-HT	36		36	0%	15.68		15.676	6%		28.424		28.424	8%					0.00%
				Others	19		19	0%	2.95		2.95	1%		9.341		9.341	3%			232.77	234.44	100.72%
Sub-total					92190	23134	115324	100%	170.94	102.759	273.695	100%	426.75	243.659	111.158	354.817	100%	71.838	16.86%	232.77	234.44	100.72%
102	MUKATSAR	43	DS DIVN. B.DOABAWALA	Residential	51787		51787	69%	85.00		85.012	40%		134.157		134.157	54%					0.00%
				Agricultural	0	16318	16318	22%	0.00	76.81	76.808	36%		0.000	69.138	69.138	28%					0.00%
				Commercial/Industrial-LT	6851		6853	9%	33.77		33.769	16%	333.04	34.635		34.635	14%	84.310	25.32%			0.00%
				Commercial/Industrial-HT	77		77	0%	18.13		18.125	9%		10.619		10.619	4%					0.00%
				Others	2		2	0%	0.12		0.114	0%		0.183		0.183	0%			181.85	159.05	98.38%
Sub-total					58719	16318	75037	100%	135.03	76.808	211.828	100%	333.04	179.594	69.138	248.732	100%	84.310	25.32%	161.85	159.26	98.38%
103	MUKATSAR	43	DS DIVN. MALOUT	Residential	75366		75366	70%	120.74		104.735	39%		165.096		165.096	52%					0.00%
				Agricultural	24	21995	22019	20%	0.18	99.55	99.763	36%		0.002	88.235	88.235	27%					0.00%
				Commercial/Industrial-LT	10828		10816	10%	52.43		52.427	19%	479.77	48.573		48.573	15%	164.131	34.22%			0.00%
				Commercial/Industrial-HT	67		67	0%	16.92		16.916	6%		17.317		17.317	5%					0.00%
				Others	16		16	0%	0.27		0.268	0%		0.433		0.433	0%			213.69	209.72	98.14%
Sub-total					86089	21995	108084	100%	170.523	99.585	270.108	100%	479.77	229.408	88.235	315.643	100%	164.131	34.21%	213.69	209.72	98.14%
104	MUKATSAR	43	DS DIVN. MUKTSAR	Residential	92208		92208	68%	148.20		146.195	40%		221.658		221.658	50%					0.50%
				Agricultural	26	29223	29249	22%	0.08	109.52	109.606	30%		0.000	94.401	94.401	21%					0.00%
				Commercial/Industrial-LT	13830		13800	10%	56.50		56.503	15%	533.65	58.327		58.327	13%	88.415	16.57%			0.00%
				Commercial/Industrial-HT	124		124	0%	56.14		56.143	15%		69.712		69.712	16%					0.00%
				Others	5		5	0%	0.84		0.842	0%		1.138		1.138	0%			307.52	285.25	92.76%
Sub-total					106283	29223	135506	100%	261.267	109.522	370.789	100%	533.65	350.835	94.401	445.236	100%	88.415	16.57%	307.52	285.25	92.76%
105	[illegible] Akash assessment Unbilled (Ineffective units)			Residential	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	0%			0.00	0.00	0.00%
				Agricultural	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	0%			0.00	0.00	0.00%
				Commercial/Industrial-LT	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	0%	-418.690	0.00%	0.00	0.00	0.00%
				Commercial/Industrial-HT	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	418.69	418.690	100%			0.00	0.00	0.00%
				Others	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	0%			0.00	0.00	0.00%
Sub-total					0	0	0	100%	0	0	0	100%	0.00	0.000	418.690	418.690	100%	-418.690	0.00%	0.00	0.00	0.00%
106	Misc. Adjustment to match with sale as taken by Planning Organisation due			Residential	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	0%			0.00	0.00	0.00%
					0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	0%			0.00	0.00	0.00%
				Commercial/Industrial-LT	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0.00	0.000	0.000	0.000	0%	-776.005	0.00%	0.00	0.00	0.00%
				Commercial/Industrial-HT	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	0%			0.00	0.00	0.00%
				Others	0	0	0	#DIV/0!	0	0	0	#DIV/0!		776.005	0.000	776.005	100%			0.00	0.00	0.00%
Sub-total					0	0	0	100%	0	0	0	100%	0.00	776.005	0.000	776.005	100%	-776.005	0.00%	0.00	0.00	0.00%
107				Residential	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	#DIV/0!			0.00	0.00	0.00%
				Agricultural	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	#DIV/0!			0.00	0.00	0.00%
				Commercial/Industrial-LT	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0.00	0.000	0.000	0.000	#DIV/0!	0.000	0.00%	0.00	0.00	0.00%
				Commercial/Industrial-HT	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	#DIV/0!			0.00	0.00	0.00%
				Others	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	#DIV/0!			0.00	0.00	0.00%
Sub-total					0	0	0	100%	0	0	0	100%	0.00	0.000	0.000	0.000	100%	0.000	0.00%	0.00	0.00	0.00%
108				Residential	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	#DIV/0!			0.00	0.00	0.00%
				Agricultural	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	#DIV/0!			0.00	0.00	0.00%
				Commercial/Industrial-LT	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0.00	0.000	0.000	0.000	#DIV/0!	0.000	0.00%	0.00	0.00	0.00%
				Commercial/Industrial-HT	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	#DIV/0!			0.00	0.00	0.00%
				Others	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	#DIV/0!			0.00	0.00	0.00%
Sub-total					0	0	0	100%	0	0	0	100%	0.00	0.000	0.000	0.000	100%	0.000	0.00%	0.00	0.00	0.00%
109				Residential	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	#DIV/0!			0.00	0.00	0.00%
				Agricultural	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	#DIV/0!			0.00	0.00	0.00%
				Commercial/Industrial-LT	0	0	0	#DIV/0!	0	0	0	#DIV/0!	0.00	0.000	0.000	0.000	#DIV/0!	0.000	0.00%	0.00	0.00	0.00%
				Commercial/Industrial-HT	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	#DIV/0!			0.00	0.00	0.00%
				Others	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	#DIV/0!			0.00	0.00	0.00%
Sub-total					0	0	0	100%	0	0	0	100%	0.00	0.000	0.000	0.000	100%	0.000	0.00%	0.00	0.00	0.00%

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110				Residential	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	#DIV/0!	0.000	0.00%			0.00%
				Agricultural	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000		0.000	#DIV/0!			0.00	0.00	0.00%
				Commercial/Industrial-LT	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	#DIV/0!			0.00	0.00	0.00%
				Commercial/Industrial-HT	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	#DIV/0!			0.00	0.00	0.00%
				Others	0	0	0	#DIV/0!	0	0	0	#DIV/0!		0.000	0.000	0.000	#DIV/0!			0.00	0.00	0.00%
	Sub-total				0	0	0	100%	0	0	0	100%	0.00	0.000	0.000	0.000	100%	0.000	0.00%	0.00	0.00	0.00%
76	Total			Residential	7929684	0	7929684	76%	15865.987	0.000	15865.987	35%	66886.39	17905.913	0.000	17905.913	40%	7174.541	10.73%	0.00	0.00	0.00%
				Agricultural	8529	1382705	1391234	13%	48.367	11184.985	11233.352	25%		125.900	12671.543	12797.329	29%			0.00	0.00	0.00%
				Commercial/Industrial-LT	1404094	0	1404094	13%	8016.333	0.000	8016.333	18%		8178.356	0.000	8178.356	18%			0.00	0.00	0.00%
				Commercial/Industrial-HT	11513	0	11513	0%	8448.837	0.000	8448.837	19%		16781.000	418.000	19150.986	43%			0.00	0.00	0.00%
				Others	6369	0	6369	0%	455.015	0.000	455.015	1%		1678.258	0.000	1678.258	3%			41118.703	41119.573	100.00%
77	At company level				9358197	1382705	10740902	100%	33629.457	11184.985	44814.441	100%	66886.39	44621.817	13090.033	59711.85	100%	7174.541	10.73%	41118.70	41119.57	100.00%

** 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 sta

	Please enter name of circle	
	Please enter circle code	
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.

Signatory and Seal

Name of Authorised Signatory:

Name of the DISCOM:

Full Address:

Seal

CE/TA&I
PSPCL, Patiala

Dy. C.E./D.S.M.
P.S.P.C.L., Patiala

Signature:
Name of Energy Manager: Er. Ravi Verma
Registration Number: EA- 7969
Energy Auditor
PSPCL, Patiala.

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Form-Input energy (Details of input energy & infrastructure)

A. Details of energy input & infrastructure

S.No	Parameters	Period From [illegible] to [illegible]	Remarks (Source of data)
		[illegible]	Historical Data
4.1	Input Energy purchased (MU)	[illegible]	[illegible]
4.2	Transmission loss (%)	[illegible]	[illegible]
4.3	Transmission loss (MU)	[illegible]	[illegible]
4.4	Energy sold outside the periphery (MU)	[illegible]	[illegible]
4.5	Open access sale (MU)	[illegible]	[illegible]
4.6	EHT sale		
4.7	Net input energy (received at DISCOM periphery or at distribution point) (MU)	[illegible]	
4.8	Is 100% metering available at 66/33 kV (feeder) yes or no from SS	Yes	
4.9	Is 100% metering available at 11 kV (feeder) yes or no from SS	Yes	
4.10	% of metering available at DT	[illegible]	[illegible]
4.11	% of metering available at consumer end	[illegible]	Planning
4.12	No of feeders at 66kV and voltage level	[illegible]	[illegible]
4.13	No of feeders at 33kV voltage level	[illegible]	[illegible]
4.14	No of feeders at 11kV voltage level	[illegible]	[illegible]
4.15	No of LT feeders level		
4.16	Line length (ckt. km) at 66kV voltage level	[illegible]	P&M
4.17	Line length (ckt. km) at 33kV voltage level	[illegible]	P&M
4.18	Line length (ckt. km) at 11kV voltage level	[illegible]	Planning
4.19	Line length (km) at LT level	[illegible]	Planning
4.20	Length of Aerial Bunched Cable	[illegible]	Zone
4.21	Length of Underground Cable	[illegible]	Zone
4.22	HT/LT ratio	[illegible]	

B. Meter reading of input energy at injection points

S.No	Zone	Circle	Voltage level	Division	Sub-division	Feeder ID	Feeder Name	Meter	Status	Date	Category	Meter Sr. No	Import	Remarks
8.1	Border	CITY AMRITSAR	11KV	DS CITY CENTER DIVN. ASR	[illegible]	[illegible]	[illegible]	AMR	OK	01-03-2024	Category 1	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

Dy. [illegible] / D.S.M.
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8.13365	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13366	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13367	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13368	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13369	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13370	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13371	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13372	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13373	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13374	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13375	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13376	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13377	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13378	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13379	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13380	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13381	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13382	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13383	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13384	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13385	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13386	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13387	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13388	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13389	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13390	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13391	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13392	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13393	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13394	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13395	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13396	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13397	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13398	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13399	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13400	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13401	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13402	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13403	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13404	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13405	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13406	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13407	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13408	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13409	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13410	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13411	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13412	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13413	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13414	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13415	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13416	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13417	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13418	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13419	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13420	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13421	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13422	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13423	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13424	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13425	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13426	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13427	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13428	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13429	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13430	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13431	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13432	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13433	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13434	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13435	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13436	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13437	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13438	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									
8.13439	West	MUKATSAR	11KV	DS DIVN. MUKTSAR	21st S/D JUNNANWALI	33KV/11KV JUNNANWALI																									

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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]					
																[illegible]					
	Total (MU)															[illegible]	[illegible]				
	Net input energy at DISCOM periphery (MU)																[illegible]				

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.

Authorised Signatory and Seal

Name of Authorised Signatory:
Name of the DISCOM:
Full Address:

Seal:

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Er. Ravi Verma
EA-7969
Energy Auditor
PSPCL, Patiala.

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Details of Input Energy Sources

Period From 01.04.2023 To 31.03.2024

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	Type of Contract		Type of Grid (Intra-state/Inter-state)	Point of Connection (POC) Line MW	Voltage Level (at Input)	Remarks (Source of data)	Net Energy Supplied (Mus)
				Date of signing of PPA	PPA Duration/Expiry Date (in years/ months/ days)					
1	GGSSTP, Ropar	840	Coal	Own Generation		Intratstate		220 KV		3573.62
2	GHTP, Lehra Mohabbat	920	Coal			Intratstate		220 KV		4258.48
3	Shanan	110	Hydro			Intratstate		132 kV		486.20
4	UBDC	91	Hydro			Intratstate		132 kV		368.74
5	MHP	225	Hydro			Intratstate		132 kV		1241.19
6	ASHP	134	Hydro			Intratstate		132 kV		473.17
7	RSPP	452	Hydro			Intratstate		220 KV		1836.59
8	Mini/Micro Hydel	3	Hydro			Intratstate		11 KV		1.67
9	GATP, Goindwal Sahib	540	Coal	26-05-2009	16-04-2041	Intratstate		220 KV		2216.80
10	Talwandi Sabo TPP	1980	Coal	01.09.2008	24.08.2041	Intratstate		400 KV		10281.64
11	Rajpura TPP	1400	Coal	18.01.2010	09.07.2039	Intratstate		400 KV		9867.64
12	Bhakra Share	647	Hydro	Own Generation		Interstate	98.75	220 KV		2590.99
13	Dehar Share	410	Hydro			Interstate	41.16	400 KV, 220 KV		1101.73
14	Pong Share	85	Hydro			Interstate	13.99	220 KV		362.98
15	Bairasiul	84	Hydro	22.03.2022	30.08.2046	Interstate	8.64			231.92
16	Salal	184	Hydro	23.10.2012	31.03.2030	Interstate	31.26			843.71
17	Tanakpur	17	Hydro	23.10.2012	31.03.2028	Interstate	2.32			61.10
18	Chamera-I	55	Hydro	23.10.2012	30.04.2029	Interstate	7.59			206.07
19	Chamera-II	30	Hydro	6.12.2011	30.03.2039	Interstate	5.23			141.46
20	Chamera-III	18	Hydro	22.03.2022	03.07.2047	Interstate	3.01			82.45
21	Uri	66	Hydro	23.10.2012	30.05.2032	Interstate	11.45			307.19
22	Uri-II	20	Hydro	22.03.2022	28.02.2049	Interstate	4.68			125.58
23	Dhauliganga	28	Hydro	6.12.2011	31.10.2040	Interstate	4.17			113.21
24	Dulhasti	32	Hydro	9.03.2006	06.04.2042	Interstate	7.40			197.60
25	Parbati-III	41	Hydro	22.03.2022	06.06.2049	Interstate	0.99			26.68
26	SEWA II	10	Hydro	22.03.2022	23.07.2045	Interstate	1.91			51.48
27	Kishanganga	0	Hydro	unallocated share	unallocated share	Interstate	0.94			26.10
28	Nathpa Jhakri(SJVNL)	152	Hydro	24.10.2002	18.5.2039	Interstate	25.70			695.42
29	Rampur	23	Hydro	14.05.2014	6.11.2049	Interstate	4.27			115.29
30	Tehri(THDC)	77	Hydro	31.07.2003	08.07.2042	Interstate	10.32			271.78
31	Koteshwar(THDC)	25	Hydro	16.02.2008	31.03.2047	Interstate	3.15			83.20
32	DVC RTPS 1&2	300	Coal	07.11.2006	30.03.2041	Interstate	57.69			1501.98
33	DVC -Durgapur	200	Coal	07.11.2006	04.03.2038	Interstate	40.65			1063.63
34	DVC -BTPS	200	Coal	07.11.2006	22.02.2042	Interstate	50.47			1305.74
35	Singrauli	200	Coal	31.01.1994	31.10.1997 (in case	Interstate	53.44			1395.63
36	Rihand-I	110	Coal	31.01.1994	PSPCL continue to	Interstate	31.04			805.83
37	Rihand-II	102	Coal	17.09.1998 with amendment signed on 29.09.1998	31.03.2031	Interstate	26.42			692.36
38	Rihand - III	83	Coal	23.10.2008	26.03.2039	Interstate	23.43		From Concerned	609.61
39	Anta GPS	0	Gas	31.01.1994	PSPCL has	Interstate	0.00			0.05
40	Auraiya GPS	0	Gas	31.01.1994	relinquished its	Interstate	0.00			0.01

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41	Dadri NCGPS	0	Gas	31.01.1994	share from Anta,	Interstate	0.00			0.01
42	Unchahar-I	0	Coal	31.01.1994	Unallocated Power and shall remain operative till allocation of power by GoI.	Interstate	0.53	Injected through ISTS		13.58
43	Unchahar-II	60	Coal	29.09.1998	28.02.2025	Interstate	10.78			286.33
44	Unchahar-III	17	Coal	02.11.2002	31.12.2031	Interstate	2.85			75.12
45	Unchahar-IV	0	Coal	16.12.2011	Unallocated Power and shall remain operative till allocation of power by GoI.	Interstate	0.95			25.77
46	Jhajjar (JV)	0	Coal	06.05.2013	Unallocated Power and shall remain operative till allocation of power by GoI.	Interstate	2.52			70.29
47	Dadri (Th.)-II	0	Coal	02.11.2002	30.07.2035	Interstate	0.96			25.82
48	Koldam HEP	82	Hydro	01.05.2002	17.07.2050	Interstate	9.42			255.05
49	Singrauli SHEP	0	Small Hydro	unallocated share	unallocated share	Interstate	0.02			0.48
50	Tanda Stage-II	0	Coal	unallocated share	unallocated share	Interstate	2.14			57.55
51	Meja	48	Coal	29.12.2010	29.04.2044	Interstate	12.65			328.03
52	Kahal gaon-II (ER)	120	Coal	02.11.2002 (supplementary agreement for capacity enhancement signed on 07.10.2003)	19.03.2035	Interstate	31.22			810.14
53	NAPP	51	Nuclear	29.08.2023	27.08.2038	Interstate	12.11			324.11
54	RAPP-B	100	Nuclear	29.08.2023	27.08.2038	Interstate	12.32			320.39
55	RAPP-C	46	Nuclear	25.08.2023	24.08.2038	Interstate	15.39			405.91
56	PTC Tala	30	Hydro	26-09-2006	31-07-2041	Interstate	1.27			35.05
57	Pragati-III(Bawana)CCGT	137	Gas	24.09.2008	26.03.2029	Interstate	7.45			191.10
58	MALANA-2 (PTC)	88	Hydro	23-03-2006	12-07-2052	Interstate	4.91			135.91
59	KARCHAM (PTC)	200	Hydro	01.09.2006	13.09.2046	Interstate	26.22			706.71
60	SASAN Ultra Mega Project	594	Coal	07.08.2007	27.03.2040	Interstate	164.53			4263.85
61	MUNDRA_UMPP	519	Coal	22.04.2007	22.03.2038	Interstate	87.47			2259.34

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NRSE POWER

Sr. No.	Name of Project / Source	Inst. Cap. (MW)	Contracted Capacity (MW)	Evacuation Voltage Levels (KV)	Grid Attached	Short Term/ Long Term	Net Energy Supplied (in MUs) Total FY 2025-26
A	i) Solar (Intrastate)						
1	Abundant Energy Pvt. Ltd. Plant-I	2	2.00	11	66 KV S/Stn. Narlai	Long Term	2.5863
2	Abundant Energy Pvt. Ltd. Plant-II	1	1.00	11	66 KV S/Stn. Narlai	Long Term	1.1871
3	Acme Solar Rooftop system pvt. Ltd. Jhunir	15	15.00	66	66KV S/Stn. Danewala	Long Term	21.1860
4	Acme Solar Rooftop system pvt. Ltd. Nangla,Talwandi Sabo	15	15.00	66	66 KV S/Stn. Nangla	Long Term	21.5010
5	Aditya Medisales Ltd. Lalpur, Hoshiarpur	4	4.00	66	66 KV Jacauri	Long Term	5.4666
6	Alliance Ecopower Pvt. Ltd., Ropara Kalan, Ludhiana	2	2.00	11	66 KV S/Stn. Alike	Long Term	2.6399
7	Alter Solar Power Pvt. Ltd., Jhunir, Mansa	1	1.00	11	220 KV S/Stn. Jhunir	Long Term	1.6200
8	Atma Powers Pvt. Ltd., Lakhewali, Muktsar	2	2.00	11	66 KV S/L Lakhewali	Long Term	2.6682
9	Azure Power Makemake Pvt. Ltd., Bhittiwala	4	4.00	66	66 KV S/Stn. Bhittiwala	Long Term	5.5896
10	Azure Power Makemake Pvt. Ltd., Killianwali	24	24.00	66	66 KV S/Stn. Killianwali	Long Term	35.3720
11	Azure Power Pluto Pvt. Ltd., Bahadurgarh Jandia-1	25	25.00	66	66 KV Peori	Long Term	34.0691
12	Azure Power Pluto Pvt. Ltd., Bahadurgarh Jandia-2	25	25.00	66	66 KV Tharajwala	Long Term	34.5909
13	Azure Power Pluto Pvt. Ltd., Kondrawali	25	25.00	66	66 KV Batwala Hanuwanta	Long Term	35.0295
14	Azure Power Pluto Pvt. Ltd., Badal	15	15.00	66	132 KV Badal	Long Term	21.7598
15	Azure Power Pluto Pvt. Ltd. Bahadurkhera	25	25.00	66	66 KV Malookpura	Long Term	35.4300
16	Azure Power Pluto Pvt. Ltd. Bhittiwala	10	10.00	66	66 KV Bhittiwala	Long Term	14.8406
17	Azure Power Pluto Pvt. Ltd. Vanwala	25	25.00	66	66 KV Vanwala Anuka	Long Term	35.7647
18	Azure Renewable Energy Pvt. Ltd., PSAMB, Mansa	0.65	0.65	11	66 KV Anaj Mandi Mansa	Long Term	0.6646
19	Azure Renewable Energy Pvt. Ltd., Bhagwant singh & Kulwinder kaur, Kotla Fazal	0.55	0.55	11	66 KV Attewali	Long Term	0.0000
20	Azure Renewable Energy Pvt. Ltd., Arti Singla Warehouse, Muktsar	0.801	0.801	11	66 KV Attewali	Long Term	0.0000
21	Azure Renewable Energy Pvt. Ltd., Vikas Singla Warehouse, Jodhpur Romana, Bathinda	0.603	0.603	11	66 KV Badal Ala Singh	Long Term	0.0000
22	Azure Renewable Energy Pvt. Ltd., Sona Cornubans Ltd. Zirakpur	1.25	1.25	11	66 KV Bhabat	Long Term	0.9615
23	Azure Renewable Energy Pvt. Ltd., [illegible]	0.599	0.599	11	66 KV Gharuan	Long Term	0.5783
24	Azure Renewable Energy Pvt. Ltd., [illegible]	1.60	1.60	11	66 KV Hargana	Long Term	1.5020
25	Azure Renewable Energy Pvt. Ltd., [illegible]	0.75	0.75	11	66 KV Nurewal	Long Term	0.6296
26	Azure Renewable Energy Pvt. Ltd.a, PSAMB, Mohali	2.05	2.05	11	66 KV, Ph. 5, Indl. Area, Distt.SAS Nagar	Long Term	1.9678
27	Azure Renewable Energy Pvt. Ltd., Skyrose sangrur	1.28	1.28	11	66 KV Nadampur	Long Term	1.3569
28	Azure Urja Pvt. Ltd., 15 MW [illegible]	15	15.00	66	66 KV Arniwala	Long Term	18.1776
29	Azure Urja Pvt. Ltd., 15 MW (Sikhwala / Purjwal) Project-I	15	15.00	66	66 KV Sikhwala	Long Term	19.4858
30	Azure Urja Pvt. Ltd., 4 MW (Sikhwala / Purjwal) Project-II	4	4.00	66	66 KV Sikhwala	Long Term	5.3097
31	Bhanuenergy Industrial Development Ltd. (BIDL)	15	15.00	66	66 KV Alike	Long Term	21.1320
32	Bhanuenergy Infrastructure Pvt. Ltd. (BIPL)	15	15.00	66	66 KV Alike	Long Term	21.3350
33	Canal Solar Energy Pvt. Ltd.	7.5	7.50	66	66KV Aliwal	Long Term	7.7040
34	Cenit Energy Pvt. Ltd., Bhagsar, Muktsar	1.5	1.50	11	66 KV S/s Bhagsar	Long Term	2.0052
35	Continental Engineering & Power Pvt. Ltd.	1	1.00	11	66 KV Kot shamir	Long Term	1.4722
36	Earth Solar Pvt. Ltd., Behlolpur, Nabha	4	4.00	66	66 KV S/Stn. Bhadson	Long Term	2.7640
37	Enterprise Business Solutions Pvt. Ltd., Samba - Bhadna, SBS Nagar	1.5	1.50	11	66KV S/Stn. Karnawar	Long Term	0.7744
38	Ecoenergy Inc., Ropara kalan, Ludhiana	1	1.00	11	66KV S/Stn. Sudhar	Long Term	0.9404
39	Focal Energy Solar India Pvt. Ltd., Nangla Bathinda	4	4.00	66	66 KV S/Stn. Nangla	Long Term	5.9859
40	G.S Atwal & Co (Engineers) Pvt. Ltd., Bhuttiwal Muktsar	1.5	1.5	11	66KV S/Stn. Bhuttiwala	Long Term	1.4025
41	IK Energy Pvt. Ltd. Lallian Kalan, Jalandhar	1	1	11	66 KV Chitti	Long Term	1.1640
42	International Switchgears Pvt. Ltd. Ph-I, Ramdas, Amritsar	1	1	11	66 KV S/Stn. Ramdas	Long Term	0.8798
43	International Switchgears Pvt. Ltd. Ph-II, Ramdas, Amritsar	1	1	11	66 KV S/Stn. Ramdas	Long Term	1.0011
44	JSSK Energy Pvt. Ltd.	1	1.00	11	66 KV S/Stn. Bhagsar	Long Term	1.3118
45	Madhav Solar Pvt. Ltd-I, Boha, Mansa	2	2.00	11	66 KV S/Stn. Boha	Long Term	2.7200
46	Madhav Solar Pvt. Ltd-II, Boha, mansa	2	2.00	11	66 KV S/Stn. Boha	Long Term	2.7530
47	Magnet Buildtech Pvt. Ltd -I,Sherkhanwala	25	25.00	66	66 KV Boha	Long Term	37.2558
48	Magnet Buildtech Pvt. Ltd-II, Tolewal	25	25.00	66	66 KV Boha	Long Term	37.9524
49	Magnificent Power Pvt. Ltd.	1	1.00	11	220 KV S/S Jhunir	Long Term	1.3158
50	Mihir Solar Power Pvt. Ltd., Jhandakalan	24	24.00	66	66 KV Santulgarh	Long Term	36.1538
51	Mihir Solar Power Pvt. Ltd., Khera khurad	25	25.00	66	66 KV S/Stn. Santulgarh	Long Term	37.4576
52	Mihir Solar Power Pvt. Ltd., Mankhera	25	25	66	66 KV S/Stn. Sangha	Long Term	38.6956
53	Mohan Green Energy Pvt. Ltd., Ropara Kalan, Ludhiana	4	4	66	66 KV S/Stn. Boha	Long Term	5.6340
54	Mytrah Aadhya Power Pvt. Ltd.-Bahan	25	25	66	66 KV S/Stn. Bohan	Long Term	41.4950
55	Mytrah Aadhya Power Pvt. Ltd.-Bareta	25	25	66	66 KV Dalewala	Long Term	40.3800
56	Nexgen Solar Power Pvt. Ltd., Jhunir, Mansa-II	1	1	11	220 KV Jhunir	Long Term	1.3520
57	Nexgen Solar Power Pvt. Ltd., [illegible]	1	1	11	66KV Alike	Long Term	1.4725

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58	Northstar Solar Power Pvt. Ltd., Pathrala, Bathinda	4	4	66	66KV Pathrala	Long Term	[illegible]
59	Clean Green Pvt. Ltd.	3	3	66	66 KV S/Stn. Bareta	Long Term	4.2870
60	Omega Infraengineers Pvt. Ltd.	1	1	11	66 KV S/Stn. Chourwala	Long Term	1.1484
61	Omega Solar Projects Pvt. Ltd., Sangarpur	10	10.00	66	66KV Ganduan	Long Term	14.2193
62	PGL, Khatkar Kalan SPV	0.2	0.20	11	220 KV Banga	Long Term	0.5152
63	Phulokhari PEDA SPV	1	1.00	11	66KV Rama Mandi	Long Term	0.9626
64	Photon Sunbeam Pvt. Ltd.-I	15	15.00	66	66 KV S/Stn. Ramamandi	Long Term	20.3738
65	Photon Sunbeam Pvt. Ltd.-II	25	25.00	66	220 KV S/Stn. Talwandi Sabo	Long Term	33.1249
66	PN Clean Energy Ltd., Lakhmirwala, Mansa	20	20.00	66	66 KV S/Stn. Kot Dharmu	Long Term	28.1520
67	PN Renewable Energy Ltd. Bana, Mansa	10	10.00	66	66 KV S/Stn Tahliyan, Boha	Long Term	14.4240
68	Prayatna Developers Pvt. Ltd.-I, Sardargarh	50	50.00	132	132 KV S/Stn. Balluana	Long Term	78.7637
69	Prayatna Developers Pvt. Ltd-II Chughekalan	50	50.00	132	132 KV S/Stn. Balluana	Long Term	79.1938
70	Purshotam Industries Ltd. Vill. Bajak, Bathinda	3	3.00	66	66 KV S/Stn. Nandgarh	Long Term	4.2189
71	Radiant Solar Energies Pvt. Ltd.	3	3.00	66	66 KV S/Stn Pathrala	Long Term	4.3073
72	[illegible] Environmental Society, Beas	12	12.00	132	132KV S/Stn. Beas	Long Term	15.2931
73	[illegible] Environmental Society, Beas (Ost)	7.52	7.52	132	132KV Beas	Long Term	8.5330
74	SAM SOLAR Pvt. Ltd. Doraha, Canal top	2.5	2.50	11	66 KV S/Stn. Doburji	Long Term	2.8818
75	SAM SOLAR Pvt. Ltd Nidampur, Sangrur	2.5	2.50	11	66 KV S/Stn. Nidampur	Long Term	2.2099
76	Solairedirect Projects India Pvt. Ltd., Dharangwala Fazilka	20	20.00	66	66 KV S/Stn. Aatta Tibba	Long Term	30.0106
77	Solaire Power Pvt. Ltd. Usmankhera	24	24.00	66	66 KV S/Stn. Kaller Khera	Long Term	35.2527
78	Solaire Urja Pvt Ltd.	25	25.00	66	66 KV S/Stn. Khuian Sarwar	Long Term	36.0657
79	Soma Enterprises Ltd., Khera Kalmout	1	1.00	11	66KV Nangal	Long Term	0.8162
80	Sovox Renewables Pvt. Ltd., Mehandpur	1	1.00	11	66KV S/Stn. Kathgarh, Tehsil Balachaur	Long Term	0.6402
81	T R Energy & Agro Pvt. Ltd., Jandwala Minanga Fazilka	2	2.00	11	66 KV Khuswali Dhab	Long Term	2.8793
82	T R Energy & Agro Pvt. Ltd., Vill. Pathrala, Fazilka II	1	1.00	11	66 KV Pathrala	Long Term	1.5357
83	Vector Green Sunshine Pvt. Ltd., Gamiwala Boha	20	20.00	66	66 KV S/Stn. Gamiwala, Boha	Long Term	31.4888
84	Vector Green Surya Urja Pvt. Ltd. Gamiwala, Boha Mansa	20	20.00	66	66 KV S/Stn. Gamiwala, Boha	Long Term	30.5160
85	Vijay Printing Press Pvt. Ltd. Ghagar branch canal (Rooftop)	7.5	7.50	66	66KV Bhattiwal	Long Term	9.1688
86	Vivaan Solar Pvt. Ltd., Bajak Bathinda	2	2.00	11	66 KV S/Stn. Nandgarh	Long Term	2.9043
87	Waaree Solar Punjab Ltd.-I, Tiona pujarian	20	20.00	66	66 KV S/Stn. Jaga Ram Tirath	Long Term	27.4480
88	Waaree Solar Punjab Ltd.-II, Jagaram tirath	10	10.00	66	66 KV S/Stn. Jaga Ram Tirath	Long Term	13.6555
89	Waaree Solar Punjab Ltd.-III, Jagaram Tirath	2	2.00	11	66 KV S/Stn. Jaga Ram Tirath	Long Term	2.6696
90	Waaree Solar Punjab Ltd.- IV, Tiona pujarian	4	4.00	66	66 KV S/Stn. Jaga Ram Tirth	Long Term	5.3790
	i) Total Solar (Intrastate)	**884.22**	**884.22**				
							1263.1795
	ii) Solar (Interstate)						
1	Bundled NVVNL (solar only)	37	37.00		Outside Punjab	Long Term	48.0546
2	SECI Solar	30	30.00		Outside Punjab	Long Term	57.4150
	Total ii)	**67.00**	**67.00**				
							105.4696
	Total Solar (i+ ii)	**951.22**	**951.22**				
							1368.6491
B	**Co Generation**						
a	**Bagasse (Co-gen)**						
1	A.B. Sugars Ltd	25	20.00	66	66 KV Sathiala	Long Term	83.8946
2	Chadha Sugars & Ind. Ltd.	33	20.50	66	66 KV SS, Rajoa	Long Term	58.1262
3	Indian Sucrose Ltd.	40	30.00	66	132 KV Uchi Bassi	Long Term	1.7818
4	Nawanshahar Power Pvt. Ltd.	15	13.50	66	132 KV Nawanshahr	Long Term	17.6520
5	Rana Sugars Ltd (34MW)	34	20.00	66	66 KV Sathiala	Long Term	26.4747
6	Wahid Sandhar Sugars Ltd.	12	7.00	33	66 KV SS Phagwara	Long Term	0.0000
7	The Bhogpur Co-op Sugar Mills Ltd.	19	8.54	66	66 KV SS,Vill Sossa	Long Term	26.0626
	Total co-gen Bagasse	**183**	**119.54**				
							197.9919
b	**Biomass (Co-gen)**						
1	A.B. Grains Spirits Pvt. Ltd.	6.5	3.00	66	66 KV Rassa	Long Term	5.6373
2	Chandigarh Distillers & Bottlers Ltd. (8.25 MW)	8.25	5.00	66	66 KV Banur	Long Term	3.0554
3	Chandigarh Distillers & Bottlers Ltd. (3.9 MW)	3.9	2.50	66	66 KV Banur	Long Term	4.0080
4	Indian Acrylics Pvt Ltd	9	11.00	66	66 KV Bhawanigarh	PPA terminated	0.0000
5	N.V. Distilleries & Breweries Pvt. Ltd.	10	6.00	66	66 KV Dharamgarh	Long Term	[illegible]

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6	Shree Ganesh Edibles Pvt. Ltd. (New PPA)	10	4.00	66	66KV Badnipur	Long Term	4.8461
7	M/s OM Sons Marketing Pvt. Ltd.	9	3.00	11	66 KV Saglat Kalan	Long Term	3.8451
	Total Co-Gen Biomass	**51.68**	**33.60**				**40.0914**
	Total Cogen Bagasse+Biomass	**213.68**	**143.94**				**247.0833**
C	**Biomass/IPP**						
1	Dee Development Engineers Pvt. Ltd	8	8	66	66 KV Rattlanwali, Malout	Long Term	55.9587
2	Green Planet Energy Pvt. Ltd., Bathinda	6	6	66	66 KV SS Mehatpur	Long Term	29.8637
3	Green Planet Energy Pvt. Ltd., Biryan (Rankine cycle)	6	6	66	33/ 66 KV Patti (Dot Patuhi)	Long Term	33.5313
4	Malwa Power Pvt.Ltd	8	6	66	66 KV Lubanawali, Sri Muktsar Sahib	Long Term	0.6822
5	Green Planet Energy Pvt. Ltd., Mansurla	6	6	66	66KV S/S Samadhi Bhai	Long Term	50.9712
6	Sukhbir Agro Energy Ltd (Ferozepur)	18	18	132	132 KV Ferozshah	Long Term	134.7934
7	Sukhbir Agro Energy Ltd. (Jalro)	18	18	66	220 KV Bajakhana	Long Term	132.7859
8	Universal Biomass Energy Pvt. Ltd.	14.8	14.8	132	132 KV Gidderbaha	Long Term	83.4440
9	Vilion Energy Pvt. Ltd.	10	10	66	66 KV Mansa	Long Term	57.8979
	Total Biomass/IPP	**92.80**	**92.80**				**562.9277**
D	**Waste to energy**						
1	Nallowal Bonsetharation LDH	1	1.00	11	66 KV Kitchlunagar, Ludhiana	Long Term	-1.2027
	Total Waste to energy	**1.00**	**1.00**				**-1.2027**
E	**Biogas**						
1	Green Planet Energy Pvt. Ltd., Biryan (Rankine cycle)						
2	Sampurnan Agri Ventures Ltd	4	4.00	66	66 KV SS Mehatpur	Long Term	1.2616
	Total Biogas	1	0.70	11	66 KV Faridke	Long Term	0.1457
		5	**4.70**				**1.4073**
F	**Mini Hydel**						
a	**Aqua Power Plant Ltd.**						
1	Chakkha MHP	2	2.00	11	66 KV S/Stn. Mehal Kalan	Long Term	8.8347
2	Lohgarh	2	2.00	11	66 KV S/Stn. Kotba	Long Term	7.3934
3	Sidhana	1.2	1.20	11	66 KV Phul	Long Term	5.4340
	Aqua Power Plant Ltd. Total	**5.2**	**5.20**				**21.6621**
b	**Abohar Power Generation Pvt. Ltd.**						
1	Ghoka MHP	0.8	0.80	11	132 KV S/Stn. Ghoka Kalan	Long Term	3.1724
2	Channuwali MHP	0.9	0.90	11	66 KV S/Stn. Mari Mustafa	Long Term	3.8553
3	Arihara MHP	1.1	1.10	11	66 KV S/Stn. Agwar Lopon	Long Term	4.2343
4	Khanpur	1.1	1.10	11	132 KV S/Stn. Bilaspur	Long Term	4.5826
5	Sudhar	1.4	1.40	11	66 KV S/Stn. Sudhar	Long Term	4.9226
	Abohar Power Generation TOTAL	**5.30**	**5.30**				**20.8072**
c	**Kotla Hydro Ltd**						
1	Bebanpur MHP	1.25	1.25	11	66 KV Dhuri	Long Term	4.6006
2	Kila	1.75	1.75	11	66 KV Ranglan	Long Term	6.7408
3	Sahoke	1.2	1.20	11	66 KV Ashpal Kalan	Long Term	5.8112
	Kotla Hydro Ltd.Total	**4.2**	**4.20**				**19.1526**
d	**Punjab Hydro Ltd.**						
1	Dolowal MHP	1.4	1.40	11	66 KV S/Stn. Lassoi	Interim Arrangment	6.6349
2	Sagi MHP	1.5	1.50	11	66 KV S/Stn. Amargarh	Interim Arrangment	6.8769
3	Bhansdura MHP	1.3	1.30	11	66 KV S/Stn. Bhansdhura	Interim Arrangment	5.1453
	Punjab Hydro Ltd. Total	**4.2**	**4.20**				**14.6569**
e	**Individual hydel Plant**						
1	Atlantic Power Pvt. Ltd (Phonta)	0.00	0.00	11	66 KV Nathana	Long Term	2.3056
2	Atlantic Power Pvt. Ltd. (Nakiana)	0.30	0.30	11	132 KV Nakiana	Long Term	1.0455
3	Atlantic Power Pvt. Ltd. (Tehkana)	0.60	0.60	11	66 KV Bhattiyana	Long Term	2.0082
4	Atlantic Power Pvt. Ltd. (Tehkana) **PSPCL Free energy share**	0.00	0.00	11		Long Term	0.8607
5	Gill Aqua Hydro Power Generation Co. Pvt. Ltd. - MBL-II	8.00	8.00	66	66 KV S/Stn. Ranipur	Long Term	10.8031
6	Gill Aqua Hydro Power Generation Co. Pvt. Ltd. - MBL-II	3.80	3.80	66	66 KV S/Stn. Ranipur	Long Term	4.7660
7	Gill Power Generation Co. (P) Ltd.	2.70	2.70	11	220 KV S/Stn. Tibbi	Long Term	7.6278
8	Himalayan Renewable Energy Pvt. Ltd.	0.60	0.60	11	66 KV S/Stn. Talewal	Long Term	3.3934
9	Kotla Renewables Pvt. Ltd. Dauthar	1.50	1.50	11	220 KV S/Stn. Badhani Kalan	Long Term	4.5481
10	Kotla Renewables Pvt. Ltd. Nidampur	0.60	0.60	11	66 KV S/Stn. Nidampur	Long Term	1.4728
11	Kotla Renewables Pvt. Ltd. Thuhi	0.60	0.60	11	66 KV S/Stn. Bhami	Long Term	2.4480

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12	Majhe Canal Hydro Project Pvt Ltd Udhanwal	0.65	0.65	11	66 KV S/Stn. Udhanwal	Long Term	0.9378
13	P & R Gurdittwala Hydro Power Pvt. Ltd	2.00	2.00	11	66 KV Madanwala	Long Term	6.7209
14	Preetie Power Pvt. Ltd. (Tugalwal)	0.85	0.85	11	66 KV Harchowal	Long Term	1.7321
15	Sarb India Hydro Power Pvt. Ltd.	1.20	1.20	11	132 KV S/Stn. Bilaspur	Long Term	3.3437
16	Sidhwan Hydro Power Pvt. Ltd.	0.70	0.70	11	66 KV Modeltown, Ext. Ludhiana	Long Term	2.2438
17	SKR Hydro Power Generators Pvt. Ltd.	0.40	0.40	11	66 KV S/Stn. MES Bathinda	Long Term	0.9081
18	UBDC Hydro Company	2.00	2.00	11	66 KV S/Stn Ror Khera Bhagowal	Long Term	6.5505
19	Preetie Power Pvt. Ltd. (Kalabal)	0.80	0.80	11	0	Long Term	1.5192
20	Hydro Energy & Infrastructure	0.25	0.25	11	66KV S/STN. Dhadrian	Long Term	0.8061
21	Sarabjit Hydro Urja Pvt. Ltd.	1.50	1.50	11	Lohgarh Thatran	Long Term	6.6410
	Individual Hydel Total	**28.10**	**28.10**				**76.2803**
F	**Punjab Genco Ltd.**						
1	Naranjwal MHP	1.50	1.50	11	66 KV Naranjwal	Long Term	5.0691
2	Dalla MHP	1.00	1.00	11	66 KV Rumi	Long Term	3.8132
3	Tugal MHP	1.50	1.50	11	66 KV Sudhar	Long Term	6.0374
4	Chupki MHP	1.50	1.50	11	66 KV Alamgir	Long Term	5.4293
5	Khatra MHP	1.00	1.00	11	66 KV Sur	Long Term	4.5518
6	Kangarwal MHP	1.30	1.30	11	66 KV Sandhaur	Long Term	5.4369
7	Bostern MHP	1.00	1.00	11	132 KV Bilaspur	Long Term	3.3549
8	Jagera MHP	1.00	1.00	11	66 KV Ahmadgarh	Long Term	4.7510
	Total PGL	**9.80**	**9.80**				**37.3736**
	Total Mini Hydel	**38.80**	**56.80**				**189.1318**
G	**Wind Power**						
1	**SECI Wind Power (100 MW)**	100	100.00		Outside Punjab	Long Term	397.2640
2	**SECI Wind Power (200 MW)**	200	200.00		Outside Punjab	Long Term	608.8774
	Total Wind Power	300	300.00				1006.1415
H	**SECI Hybrid Power**						
i	**SECI 600 MW Hybrid Power PSA (Solar)**	400	400.00		Outside Punjab	Long Term	1387.6892
ii	**SECI 600 MW Hybrid Power PSA (Wind)**	100	100.00		Outside Punjab	Long Term	404.7738
I	**NHPC 300 MW Solar**	300	300.00		Outside Punjab	Long Term	761.2340
J	**2% Energy Injection by OA Consumers in lieu of Transmission & Wheeling Charges**						
1	Winsome Yarns Non Solar						0.1577
2	Nahar Industrial Enterprises Ltd. Non Solar						0.0108
	Total 2% Energy Injection by OA Consumers						0.2685
k	**Own Hydel**						
1	**Micro Hydel**						
(i)	Ranjit Sagar	0.8	0.8	11			0.0000
(ii)	Ropar	1.7	1.7	11			1.6674
	Total Micro Hydel	**2.5**	**2.5**				**1.6674**
2	UBDC Stage I&II	91.35	91.35	132			308.7400
3	Mukerian MHP-5	18	18	132			77.1560
	Total Own Hydel	**111.85**	**111.85**				**447.5634**
L	**SOLAR**						
i	**Solar Intra state**	884.22	884.22				1263.1795
ii	**Bundled (Solar)**	37	37.00				48.0546
iii	**SECI Solar**	30	30.00				57.4150
iv	**SECI Hybrid Solar**	400	400.00				1387.6892
v	**NHPC Solar**	300	300.00				761.2340
	Total Solar	**1651.22**	**1651.22**				**3517.5723**
2	**NON SOLAR**						
i	**NON SOLAR (HYDEL)**	**168.65**	**168.65**				636.6952
ii	**NON SOLAR (WIND)**	**350.00**	**350.00**				1006.1415
iii	**NON SOLAR (OTHERS)**	**212.19**	**241.24**				810.2150
v	**Non Solar (2% Injection in lieu of Transmission Charges)**						0.2685
vi	**SECI Hybrid Wind**	**100.00**	**100.00**				404.7738
	Total Non Solar	**830.84**	**859.89**				**2858.0945**
	Total for Long Term and Short Term RE Power	**2682.00**	**3511.11**				**6375.6668**
	Bundled NVVNL Coal	37.00	37.00		Outside Punjab	Long Term	232.3520
	Total Bundled NVVNL (Coal+ Solar)	**74.00**	**74.00**				**280.4871**

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Er. Ravi Verma
EA- 7969
Energy Auditor
PSPCL, Patiala.

S.No.	[illegible]	Substation Capacity (in MW)	[illegible]	[illegible]	[illegible]	Voltage Level (kV)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	DS S/D [illegible] MARKET TECH. ASR	NA	Rooftop Solar			LT									0.241	
2	DS S/D [illegible] TECH. ASR	NA	Rooftop Solar			LT									0.056	
3	DS S/D [illegible] MARKET TECH. ASR	NA	Rooftop Solar			LT									0.496	
4	DS S/D CIVIL LINE TECH. ASR	NA	Rooftop Solar			LT									1.785	
5	DS S/D ISLAMABAD TECH. ASR	NA	Rooftop Solar			LT									0.114	
6	DS S/D LAWRENCE ROAD TECH. ASR	NA	Rooftop Solar			LT									0.445	
7	DS S/D DURGIANA TEMPLE TECH. ASR	NA	Rooftop Solar			LT									0	
8	DS S/D HATHI GATE TECH. ASR	NA	Rooftop Solar			LT									0	
9	DS S/D TUNDA TALAB TECH. ASR	NA	Rooftop Solar			LT									0	
10	DS GOLDEN TEMPLE TECH. ASR	NA	Rooftop Solar			LT									0.061	
11	DS S/D CHATIWIND TECH. ASR	NA	Rooftop Solar			LT									0.139	
12	DS S/D SULTANWIND TECH. ASR	NA	Rooftop Solar			LT									0.177	
13	DS S/D City BATALA	NA	Rooftop Solar			LT									0.086	
14	DS S/D East BATALA	NA	Rooftop Solar			LT									0.329	
15	DS S/D [illegible] QADIAN	NA	Rooftop Solar			LT									0	
16	DS S/D SOUTH BATALA	NA	Rooftop Solar			LT									0.289	
17	DS S/D UDHANWAL	NA	Rooftop Solar			LT									0	
18	DS S/D WEST S/D BATALA	NA	Rooftop Solar			LT									0	
19	DS S/D [illegible]	NA	Rooftop Solar			LT									0	
20	DS S/D K. JAMAL SINGH	NA	Rooftop Solar			LT									0	
21	DS S/D NORTH PATHANKOT	NA	Rooftop Solar			LT									0.119	
22	DS S/D SARNA	NA	Rooftop Solar			LT									0	
23	DS S/D SOUTH PATHANKOT	NA	Rooftop Solar			LT									0.195	
24	DS S/D SUJANPUR	NA	Rooftop Solar			LT									0	
25	DS S/D GHUMAN	NA	Rooftop Solar			LT									0.050	
26	DS S/D HARCHOWAL	NA	Rooftop Solar			LT									0	
27	DS S/D KAHNUWAN	NA	Rooftop Solar			LT									0	
28	DS S/D QADIAN	NA	Rooftop Solar			LT									0	
29	DS S/D SRI HARGOBINDPUR	NA	Rooftop Solar			LT									0	
30	DS S/D DEHRIWAL	NA	Rooftop Solar			LT									0.091	
31	DS S/D DHARIWAL	NA	Rooftop Solar			LT									0	
32	DS S/D KALANAUR	NA	Rooftop Solar			LT									0	
33	DS S/D [illegible] SINGH	NA	Rooftop Solar			LT									0	
34	DS CITY S/D GURDASPUR	NA	Rooftop Solar			LT									0	
35	DS S/D BEHRAMPUR	NA	Rooftop Solar			LT									0	
36	DS S/D DORANGLA	NA	Rooftop Solar			LT									0	
37	DS S/D JOURA CHHITRAN	NA	Rooftop Solar			LT									0	
38	DS S/D PURANA SHALLA	NA	Rooftop Solar			LT									0	
39	DS S/D TIBBAR	NA	Rooftop Solar			LT									0	
40	DS S/U S/D GURDASPUR	NA	Rooftop Solar			LT									0	
41	DS CITY S/D FATEHGARH CHURIAN	NA	Rooftop Solar			LT									0	
42	DS S/D [illegible]	NA	Rooftop Solar			LT									0	
43	DS S/D DERA BABA NANAK	NA	Rooftop Solar			LT									0	
44	DS S/D KOTLI SURAT MALHI	NA	Rooftop Solar			LT									0	
45	DS S/D R/TOWN S/D BATALA	NA	Rooftop Solar			LT									0	
46	DS S/D NORTH S/D BATALA	NA	Rooftop Solar			LT									0	
47	DS EAST S/D PATHANKOT	NA	Rooftop Solar			LT									0.241	
48	DS S/D DHAR	NA	Rooftop Solar			LT									0	
49	DS S/D [illegible]	NA	Rooftop Solar			LT									0.281	
50	DS S/D [illegible]	NA	Rooftop Solar			LT									0	
51	DS S/D [illegible]	NA	Rooftop Solar			LT									0	
52	DS S/D FATEHPUR RAJPUTAN	NA	Rooftop Solar			LT									0	
53	DS S/D JANDIALA GURU	NA	Rooftop Solar			LT									0	
54	DS S/D KOT MIT SINGH	NA	Rooftop Solar			LT									0.812	
55	DS S/D TARSIKA	NA	Rooftop Solar			LT									0	
56	DS GOPAL NAGAR S/D	NA	Rooftop Solar			LT									0	
57	DS S/D CHHEHARTA	NA	Rooftop Solar			LT									0.1	
58	DS S/D East Amritsar	NA	Rooftop Solar			LT									0.176	
59	DS S/D EAST TECH(Sub Urban)	NA	Rooftop Solar			LT									0.168	
60	DS S/D WEST ASR	NA	Rooftop Solar			LT									0	
61	DS SOUTH S/D Asr	NA	Rooftop Solar			LT									0.272	
62	DS S/D [illegible] CHHINA	NA	Rooftop Solar			LT									0	
63	DS S/D [illegible]	NA	Rooftop Solar			LT									0	
64	DS S/D NO.1 MAJITHA	NA	Rooftop Solar			LT									0	
65	DS S/D NO.2 MAJITHA	NA	Rooftop Solar			LT									0	
66	DS S/D [illegible]	NA	Rooftop Solar			LT									0	
67	DS S/D ATTARI	NA	Rooftop Solar			LT									0	
68	DS S/D CHOGAWAN	NA	Rooftop Solar			LT									0	
69	DS S/D [illegible]	NA	Rooftop Solar			LT									0	
70	DS S/D LOPOKE	NA	Rooftop Solar			LT									0	
71	DS S/D AJNALA	NA	Rooftop Solar			LT									0	
72	DS S/D [illegible]	NA	Rooftop Solar			LT									0	

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73	DS S/D AMBARSU	NA	Rooftop Solar			LT									0	
74	DS S/D S/D EXTERNAL CHETHAN	NA	Rooftop Solar			LT									0	
75	DS CITY S/D TARN TARAN	NA	Rooftop Solar			LT									0	
76	DS S/D CHABAL	NA	Rooftop Solar			LT									0.146	
77	DS S/D GOINDWAL	NA	Rooftop Solar			LT									0	
78	DS S/D KHALRA	NA	Rooftop Solar			LT									0	
79	DS S/D SARAI AMANAT KHAN	NA	Rooftop Solar			LT									0	
80	DS S/D SUR SINGH	NA	Rooftop Solar			LT									0	
81	DS S/D AMARKOT	NA	Rooftop Solar			LT									0	
82	DS S/D BHIKHIWIND	NA	Rooftop Solar			LT									0	
83	DS S/D KHALRA	NA	Rooftop Solar			LT									0	
84	DS S/D KHEMKARAN	NA	Rooftop Solar			LT									0	
85	DS CITY S/D PATTI	NA	Rooftop Solar			LT									0	
86	DS S/D HARIKE	NA	Rooftop Solar			LT									0.17	
87	DS S/D KAIRON	NA	Rooftop Solar			LT									0	
88	DS S/D SABHRA	NA	Rooftop Solar			LT									0	
89	DS S/U S/D PATTI	NA	Rooftop Solar			LT									0	
90	DS S/D BABA BAKALA	NA	Rooftop Solar			LT									0	
91	DS S/D BEAS	NA	Rooftop Solar			LT									0.032	
92	DS S/D BUTARI	NA	Rooftop Solar			LT									0	
93	DS S/D MEHTA CHOWK	NA	Rooftop Solar			LT									0	
94	DS S/D NAGOKE	NA	Rooftop Solar			LT									0	
95	DS S/D RAYYA	NA	Rooftop Solar			LT									0.024	
96	DS S/D FATEHABAD	NA	Rooftop Solar			LT									0	
97	DS S/D KHADOOR SAHIB	NA	Rooftop Solar			LT									0	
98	DS S/D NAUSHERA PANNUAN	NA	Rooftop Solar			LT									0	
99	DS S/D S/U TARN TARAN	NA	Rooftop Solar			LT									0	
100	TECH UNIT I DHARIWAL	NA	Rooftop Solar			LT									0.600	
101	TECH UNIT II DHARIWAL BAZAR	NA	Rooftop Solar			LT									0	
102	TECH UNIT III SUBASH KOTHI	NA	Rooftop Solar			LT									0	
103	TECH. UNIT I CMC (SPL)	NA	Rooftop Solar			LT									0	
104	TECH. UNIT II CMC (SPL)	NA	Rooftop Solar			LT									0	
105	COMM. J.F. POINT (SPL)	NA	Rooftop Solar			LT									0	
106	TECH. J.F. POINT (SPL)	NA	Rooftop Solar			LT									0	
107	TECH. -II F. POINT (SPL)	NA	Rooftop Solar			LT									0.544	
108	TECH. -I S. NAGAR (SPL)	NA	Rooftop Solar			LT									0.731	
109	TECH. -II S. NAGAR (SPL)	NA	Rooftop Solar			LT									0.082	
110	COMM. AGAR NAGAR	NA	Rooftop Solar			LT									0.599	
111	TECH. -I CITY WEST (SPL)	NA	Rooftop Solar			LT									0	
112	TECH. -II CITY WEST	NA	Rooftop Solar			LT									0	
113	TECH. -III ESTATE (SPL)	NA	Rooftop Solar			LT									0	
114	TECH. UNIT I ESTATE	NA	Rooftop Solar			LT									0	
115	TECH. UNIT II ESTATE	NA	Rooftop Solar			LT									0	
116	TECH UNIT I J. NAGAR	NA	Rooftop Solar			LT									0	
117	TECH UNIT II J. NAGAR	NA	Rooftop Solar			LT									0	
118	TECH UNIT III J. NAGAR	NA	Rooftop Solar			LT									0	
119	TECH. - II M. TOWN (SPL)	NA	Rooftop Solar			LT									0	
120	TECH UNIT I M. TOWN	NA	Rooftop Solar			LT									1.179	
121	COMM. SPL. S/DIV M/S GOBIND GARH	NA	Rooftop Solar			LT									1.37	
122	DS S/D AMLOH	NA	Rooftop Solar			LT									1.067	
123	DS S/D BHADSON	NA	Rooftop Solar			LT									0	
124	DS S/D SHAMSHPUR	NA	Rooftop Solar			LT									0.124	
125	TOHRA	NA	Rooftop Solar			LT									0	
126	DS CITY S/D DORAHA	NA	Rooftop Solar			LT									0	
127	DS S/D DHAMOT	NA	Rooftop Solar			LT									0	
128	DS S/D GHUDANI KALAN	NA	Rooftop Solar			LT									0	
129	DS S/D PAYAL	NA	Rooftop Solar			LT									0	
130	DS S/U S/D DORAHA	NA	Rooftop Solar			LT									0	
131	DS CITY 1 S/D KHANNA	NA	Rooftop Solar			LT									0	
132	DS CITY 2 S/D KHANNA	NA	Rooftop Solar			LT									0.422	
133	DS S/D KHANNA	NA	Rooftop Solar			LT									2.08725	
134	DS S/D CHAWA	NA	Rooftop Solar			LT									0	
135	DS S/D JARG	NA	Rooftop Solar			LT									0	
136	DS S/U S/D KHANNA	NA	Rooftop Solar			LT									0	
137	DS CITY S/D BASSI PATHANAN	NA	Rooftop Solar			LT									0.014	
138	DS CITY S/D SIRHIND	NA	Rooftop Solar			LT									0	
139	DS S/D BADALI ALA SINGH	NA	Rooftop Solar			LT									0	
140	DS S/D CHANARTHAL	NA	Rooftop Solar			LT									0	
141	DS S/U S/D BASSI PATHANAN	NA	Rooftop Solar			LT									0	
142	DS S/U S/D SIRHIND	NA	Rooftop Solar			LT									0	
143	DS CITY S/D ADDA DAKHA	NA	Rooftop Solar			LT									0	
144	DS S/D HUMBRAN	NA	Rooftop Solar			LT									0	
145	DS S/D SUDHAR	NA	Rooftop Solar			LT									0	
146	DS S/U S/D ADDA DAKHA	NA	Rooftop Solar			LT									0	
147	DS CITY S/D Ahmedgarh	NA	Rooftop Solar			LT									0	
148	DS S/D MALOUD	NA	Rooftop Solar			LT									0.080	
149	DS S/D SIHAR	NA	Rooftop Solar			LT									0.104	
150	DS S/U S/D NO.1 AHD	NA	Rooftop Solar			LT									0	

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151	DS S/D S/D [illegible]	NA	Rooftop Solar			LT									0	
152	DS CITY S/D JAGRAON	NA	Rooftop Solar			LT									1.144	
153	DS S/D SIDHWAN BET	NA	Rooftop Solar			LT									0	
154	DS S/D SIDHWAN KHURD	NA	Rooftop Solar			LT									0	
155	DS SUB S/D JAGRAON	NA	Rooftop Solar			LT									0	
156	DS S/D [illegible]	NA	Rooftop Solar			LT									0	
157	DS S/D LAKHA	NA	Rooftop Solar			LT									0	
158	DS S/D RAIKOT	NA	Rooftop Solar			LT									0.102	
159	DS S/D ROOMI	NA	Rooftop Solar			LT									0	
160	DS S/D [illegible] KALAN	NA	Rooftop Solar			LT									0	
161	DS S/D NARANGWAL	NA	Rooftop Solar			LT									0	
162	DS S/D PAKHOWAL	NA	Rooftop Solar			LT									0	
163	DS S/D SARABH	NA	Rooftop Solar			LT									0	
164	DS CITY S/D HSP	NA	Rooftop Solar			LT									0.251	
165	DS CIVIL LINES S/D HSP	NA	Rooftop Solar			LT									0.069	
166	DS MODEL TOWN S/D HSP	NA	Rooftop Solar			LT									0	
167	DS S/D Janauri	NA	Rooftop Solar			LT									0.057	
168	DS S/D BULLOWAL	NA	Rooftop Solar			LT									0	
169	DS S/D HARIYANA	NA	Rooftop Solar			LT									0	
170	DS S/D CITY TANDA	NA	Rooftop Solar			LT									0	
171	DS S/D CITY 1 [illegible]	NA	Rooftop Solar			LT									0	
172	DS S/D CITY 2 [illegible]	NA	Rooftop Solar			LT									0	
173	DS S/D RANDHAWA JATTA	NA	Rooftop Solar			LT									0	
174	DS S/D S/D TANDA	NA	Rooftop Solar			LT									0	
175	DS S/D CITY DASUYA	NA	Rooftop Solar			LT									0	
176	DS S/D GARDIWAL	NA	Rooftop Solar			LT									0	
177	DS S/D GHOGRAWAL	NA	Rooftop Solar			LT									0	
178	DS S/D MAHI	NA	Rooftop Solar			LT									0	
179	DS S/D S/D DASUYA	NA	Rooftop Solar			LT									0	
180	DS OFFICE BADLA	NA	Rooftop Solar			LT									0	
181	DS S/D BASSI KALAN	NA	Rooftop Solar			LT									0	
182	DS S/D MAHILPUR	NA	Rooftop Solar			LT									0	
183	DS S/D PALDI	NA	Rooftop Solar			LT									0	
184	DS S/D NALA BASSI	NA	Rooftop Solar			LT									0	
185	DS S/D BHANGALA	NA	Rooftop Solar			LT									0	
186	DS S/D [illegible]	NA	Rooftop Solar			LT									0.189	
187	DS S/D HAJIPUR	NA	Rooftop Solar			LT									0	
188	DS S/D MUKERIAN	NA	Rooftop Solar			LT									0	
189	DS S/D TALWARA	NA	Rooftop Solar			LT									0	
190	DS S/D ATTOWAL	NA	Rooftop Solar			LT									0.332	
191	DS S/D REHANA JATTAN	NA	Rooftop Solar			LT									0.502	
192	DS S/D SHAM CHAURASI	NA	Rooftop Solar			LT									0	
193	DS S/D S/D HSP	NA	Rooftop Solar			LT									0.385	
194	DS S/D Rural Adampur, Jalandhar	NA	Rooftop Solar			LT									0.321	
195	DS S/D Rural Cantt, Jalandhar	NA	Rooftop Solar			LT									0.641	
196	DS S/D Rural Lamba Pind, Jalandhar	NA	Rooftop Solar			LT									0.805	
197	DS S/D Tech 1 Cantt, Jalandhar	NA	Rooftop Solar			LT									0.906	
198	DS S/D Tech 2 Suburban Cantt, Jalandhar	NA	Rooftop Solar			LT									1.141	
199	DS S/D Rural Alawalpur, Jalandhar	NA	Rooftop Solar			LT									0	
200	DS S/D Tech 1 Nehru Garden, Jalandhar	NA	Rooftop Solar			LT									1.671	
201	DS S/D Tech 3 Industrial Area, Jalandhar	NA	Rooftop Solar			LT									1.984	
202	DS S/D S/U Lambra, Jalandhar	NA	Rooftop Solar			LT									0	
203	DS S/D Tech 1 Model House, Jalandhar	NA	Rooftop Solar			LT									0	
204	DS S/D Tech 2 Model Town, Jalandhar	NA	Rooftop Solar			LT									0	
205	DS S/D Tech 3 Maqsudan, Jalandhar	NA	Rooftop Solar			LT									0	
206	DS S/D Tech 4 Basti, Jalandhar	NA	Rooftop Solar			LT									0	
207	DS S/D Rural CHAHERU, Phagwara	NA	Rooftop Solar			LT									0	
208	DS S/D Rural [illegible], Phagwara	NA	Rooftop Solar			LT									0	
209	DS S/D Tech unit 1 City, Phagwara	NA	Rooftop Solar			LT									0	
210	DS S/D Tech Unit 2 Suburban, Phagwara	NA	Rooftop Solar			LT									0	
211	DS S/D Tech. Unit 3 Hadiabad, Phagwara	NA	Rooftop Solar			LT									0	
212	DS S/D Tech 1 Civil Line, Jalandhar	NA	Rooftop Solar			LT									0	
213	DS S/D Tech 2 Maqsudan, Jalandhar	NA	Rooftop Solar			LT									0	
214	DS S/D Tech 3 MAI HIRAN GATE, JALANDHAR	NA	Rooftop Solar			LT									0.081	
215	DS S/D Tech 4 Patel Chowk, Jalandhar	NA	Rooftop Solar			LT									0	
216	DS S/D CITY 1 KAPURTHALA	NA	Rooftop Solar			LT									0.078	
217	DS S/D CITY 1 SULTANPUR	NA	Rooftop Solar			LT									0	
218	DS S/D CITY 2 SULTANPUR	NA	Rooftop Solar			LT									0	
219	DS S/D KALA SANGHIAN	NA	Rooftop Solar			LT									0	
220	DS S/D KHERA BHANDAL	NA	Rooftop Solar			LT									0	
221	DS S/D LOHIAN	NA	Rooftop Solar			LT									0	
222	DS S/D MALSIAN	NA	Rooftop Solar			LT									0.417	
223	DS S/D MEHATPUR	NA	Rooftop Solar			LT									0	
224	DS S/D [illegible]	NA	Rooftop Solar			LT									0	
225	DS S/D SHAHKOT	NA	Rooftop Solar			LT									0	
226	DS S/D [illegible]	NA	Rooftop Solar			LT									0	
227	DS S/D BHOLATH	NA	Rooftop Solar			LT									0.04	
228	DS S/D CITY 1 KARTARPUR	NA	Rooftop Solar			LT									0	

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229	DS S/D CITY 1 KARTARPUR	NA	Rooftop Solar			LT									0	
230	DS S/D KHAIRA	NA	Rooftop Solar			LT									0	
231	DS S/D CITY 2 KAPURTHALA	NA	Rooftop Solar			LT									0.012	
232	DS S/D DHILWAN	NA	Rooftop Solar			LT									0.101	
233	DS S/D NADALA	NA	Rooftop Solar			LT									0.180	
234	DS S/D TIBBA	NA	Rooftop Solar			LT									0	
235	DS S/D UCHHA	NA	Rooftop Solar			LT									0.022	
236	DS S/U S/D KAPURTHALA	NA	Rooftop Solar			LT									3.831	
237	DS S/D BHAR	NA	Rooftop Solar			LT									0	
238	DS S/D CITY NAKODAR	NA	Rooftop Solar			LT									0	
239	DS S/D MALLIAN	NA	Rooftop Solar			LT									0	
240	DS S/D RAJBEHAL	NA	Rooftop Solar			LT									3.14	
241	DS S/D SHAHKOT	NA	Rooftop Solar			LT									0	
242	DS S/D TALWANDI	NA	Rooftop Solar			LT									0	
243	DS S/U S/D NAKODAR	NA	Rooftop Solar			LT									0	
244	DS S/D BEHRAM NO 1	NA	Rooftop Solar			LT									0	
245	DS S/D BEHRAM NO 2	NA	Rooftop Solar			LT									0	
246	DS S/D CITY BANGA	NA	Rooftop Solar			LT									0	
247	DS S/D MUKANDPUR	NA	Rooftop Solar			LT									0	
248	DS S/U S/D BANGA	NA	Rooftop Solar			LT									0	
249	DS S/D CITY GARHSHANKAR	NA	Rooftop Solar			LT									0	
250	DS S/D CITY 1 NAWANSHAHR	NA	Rooftop Solar			LT									0	
251	DS S/D CITY 2 NAWANSHAHR	NA	Rooftop Solar			LT									0	
252	DS S/D SAROYA	NA	Rooftop Solar			LT									0	
253	DS S/U S/D GARHSHANKAR	NA	Rooftop Solar			LT									0.063	
254	SUB OFFICE BINEWAL	NA	Rooftop Solar			LT									0	
255	DS S/D APRA	NA	Rooftop Solar			LT									0	
256	DS S/D CITY GORAYA	NA	Rooftop Solar			LT									0	
257	DS S/D PHILLAUR	NA	Rooftop Solar			LT									0	
258	DS S/D RURKA KALAN	NA	Rooftop Solar			LT									0	
259	DS S/U S/D GORAYA	NA	Rooftop Solar			LT									0	
260	SUB OFFICE DOSANJH KALAN	NA	Rooftop Solar			LT									0	
261	DS S/D AUR	NA	Rooftop Solar			LT									0	
262	DS S/D CITY NAWANSHAHR	NA	Rooftop Solar			LT									0	
263	DS S/D JADLA	NA	Rooftop Solar			LT									0	
264	DS S/D RAHON	NA	Rooftop Solar			LT									0	
265	DS S/U S/D NAWANSHAHR	NA	Rooftop Solar			LT									0	
266	DS CITY S/D BARNALA	NA	Rooftop Solar			LT									1.867	
267	DS S/D MEHAL KALAN	NA	Rooftop Solar			LT									0	
268	DS S/D NO-1 DHANAULA	NA	Rooftop Solar			LT									0.226	
269	DS S/D NO-2 DHANAULA	NA	Rooftop Solar			LT									0	
270	DS S/D SANGHERA	NA	Rooftop Solar			LT									0.011	
271	DS S/D THULIWAL	NA	Rooftop Solar			LT									0	
272	DS S/D CITY-1 MALERKOTLA	NA	Rooftop Solar			LT									2.423	
273	DS S/D CITY-2 MALERKOTLA	NA	Rooftop Solar			LT									0.138	
274	DS S/D KUP KALAN	NA	Rooftop Solar			LT									0	
275	DS S/D LASSOI	NA	Rooftop Solar			LT									0	
276	DS S/D SANDOUR	NA	Rooftop Solar			LT									0.186	
277	DS S/D SHERWANIKOT	NA	Rooftop Solar			LT									0	
278	DS S/U S/D MALERKOTLA	NA	Rooftop Solar			LT									0	
279	DS S/D BHADAUR	NA	Rooftop Solar			LT									0.28	
280	DS S/D NO.1 TAPA	NA	Rooftop Solar			LT									0.918	
281	DS S/D NO.2 TAPA	NA	Rooftop Solar			LT									0	
282	DS S/D SEHNA	NA	Rooftop Solar			LT									0	
283	DS S/U S/D BARNALA	NA	Rooftop Solar			LT									2.305	
284	DS S/D HANDIAYA	NA	Rooftop Solar			LT									0	
285	DS S/D LALRU	NA	Rooftop Solar			LT									0	
286	DS S/D Mubarikpur	NA	Rooftop Solar			LT									0	
287	DS S/D SAIDPURA	NA	Rooftop Solar			LT									0	
288	DS S/D BANUR	NA	Rooftop Solar			LT									0	
289	DS S/D Comm. ZIRAKPUR	NA	Rooftop Solar			LT									0	
290	DS S/D BHULLUPUR (CARBIDE)	NA	Rooftop Solar			LT									0	
291	DS S/D TECH. ZIRAKPUR	NA	Rooftop Solar			LT									10.581	
292	TECH UNIT-1 MOHALI	NA	Rooftop Solar			LT									1.72	
293	TECH UNIT-2 MOHALI	NA	Rooftop Solar			LT									3.567	
294	COMM-2 S/D Model Town(Sp) Distt Patiala	NA	Rooftop Solar			LT									4.866	
295	DS S/D Comm-1, Model Town, Patiala	NA	Rooftop Solar			LT									1.042	
296	DS CITY S/D NABHA	NA	Rooftop Solar			LT									1.044	
297	DS S/D AMARGARH	NA	Rooftop Solar			LT									0	
298	DS S/D CHAUNDA	NA	Rooftop Solar			LT									0	
299	DS S/D DHINGI	NA	Rooftop Solar			LT									0	
300	DS S/D GAMANPURA	NA	Rooftop Solar			LT									0	
301	DS S/U S/D NABHA	NA	Rooftop Solar			LT									0	
302	DS COMMERCIAL S/D RAJPURA	NA	Rooftop Solar			LT									2.664	
303	DS S/D GULLAKHERA	NA	Rooftop Solar			LT									0	
304	DS S/D SARAI BANJARA	NA	Rooftop Solar			LT									0	
305	DS CITY S/D SAMANA	NA	Rooftop Solar			LT									1.28	
306	DS S/D BADSHAHPUR	NA	Rooftop Solar			LT									0	

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307	DS S/D GAGI MAJRA	NA	Rooftop Solar			LT											0
308	DS S/D S/S SAMANA	NA	Rooftop Solar			LT											0
309	DS GRC 1 S/D FATEHA	NA	Rooftop Solar			LT											0
310	DS S/D BEHLANA	NA	Rooftop Solar			LT											0
311	DS S/D KHIYAN	NA	Rooftop Solar			LT											0
312	DS S/D Ashar sagh	NA	Rooftop Solar			LT											0
313	DS S/D Jamna	NA	Rooftop Solar			LT											0
314	DS S/D Bathinda gate	NA	Rooftop Solar			LT											0
315	DS S/D Bakshis	NA	Rooftop Solar			LT											0
316	DS S/D Dhanaur -1	NA	Rooftop Solar			LT											0
317	DS S/D Dhanaur -2	NA	Rooftop Solar			LT											0
318	DS S/D Rakhra	NA	Rooftop Solar			LT											0
319	DS S/D Urban Estate Patiala	NA	Rooftop Solar			LT											0
320	DS S/D Colony West Patiala	NA	Rooftop Solar			LT											1
321	DS S/D Colony -2 West Patiala	NA	Rooftop Solar			LT											1
322	DS S/D CITY AMARGH	NA	Rooftop Solar			LT											0.314
323	DS S/D CITY MOHINDRA	NA	Rooftop Solar			LT											0
324	DS S/D CITY-2 MANAK	NA	Rooftop Solar			LT											0
325	DS S/D KURALI	NA	Rooftop Solar			LT											0
326	DS S/D MAHRA	NA	Rooftop Solar			LT											0
327	DS S/S S/D KHIRAM	NA	Rooftop Solar			LT											0
328	DS S/S S/D MORINDA	NA	Rooftop Solar			LT											0
329	SUB OFFICE GHANAUR	NA	Rooftop Solar			LT											0.004
330	DS S/D AMANDPUR SAHIB	NA	Rooftop Solar			LT											0.418
331	DS S/D Bhatian	NA	Rooftop Solar			LT											0
332	DS S/D Bhanagarh	NA	Rooftop Solar			LT											0
333	DS S/D AMRITPUR SAHIB	NA	Rooftop Solar			LT											0
334	DS S/D KAMLAH	NA	Rooftop Solar			LT											0
335	DS S/D NURPUR BET	NA	Rooftop Solar			LT											0
336	SUB OFFICE TAKHTPUR	NA	Rooftop Solar			LT											0
337	DS S/D BELA	NA	Rooftop Solar			LT											0
338	DS S/D CHAMKAUR SAHIB	NA	Rooftop Solar			LT											6
339	DS S/D CHAMKAUR	NA	Rooftop Solar			LT											0
340	DS S/D MIANPUR	NA	Rooftop Solar			LT											0
341	DS S/D BUPAR	NA	Rooftop Solar			LT											0.222
342	DS S/D SUKHMANPUR	NA	Rooftop Solar			LT											0.283
343	BERKOOPUR	NA	Rooftop Solar			LT											0
344	DS S/D CITY SWARAJ	NA	Rooftop Solar			LT											0
345	DS S/S S/D UMBALA	NA	Rooftop Solar			LT											0
346	BAYAN KADIM	NA	Rooftop Solar			LT											0
347	KHAMANO	NA	Rooftop Solar			LT											0
348	KOHARA	NA	Rooftop Solar			LT											0
349	MACHHRAHAI	NA	Rooftop Solar			LT											0
350	DS S/D S/D BANAT	NA	Rooftop Solar			LT											1.709
351	DS S/D CHHINA	NA	Rooftop Solar			LT											0.22
352	DS S/D LONGOWAL	NA	Rooftop Solar			LT											0
353	DS S/S UGRAHAL	NA	Rooftop Solar			LT											0
354	DS S/S S/D SUNAM	NA	Rooftop Solar			LT											0
355	DS CITY S/D DHURI	NA	Rooftop Solar			LT											0
356	DS S/D BHAWANI	NA	Rooftop Solar			LT											0
357	DS S/D RD-1 SHERPUR	NA	Rooftop Solar			LT											0
358	DS S/D RD. 2 SHERPUR	NA	Rooftop Solar			LT											0
359	DS S/D NAMDHNI	NA	Rooftop Solar			LT											0
360	DS S/S S/D DHURI	NA	Rooftop Solar			LT											0
361	DS CITY S/D DHURI	NA	Rooftop Solar			LT											0
362	DS S/D ANDLANA	NA	Rooftop Solar			LT											0
363	DS S/D NAUNIHPUR	NA	Rooftop Solar			LT											0
364	DS S/S S/D DIRBA	NA	Rooftop Solar			LT											0
365	DS CITY S/D PATRAN	NA	Rooftop Solar			LT											0
366	DS S/D KHANOURI	NA	Rooftop Solar			LT											0
367	DS S/D SHATRANA	NA	Rooftop Solar			LT											0
368	DS S/S S/D PATRAN	NA	Rooftop Solar			LT											0
369	DS CITY S/D SANGRUR	NA	Rooftop Solar			LT											2.044
370	DS S/D BAGHUANA	NA	Rooftop Solar			LT											0.818
371	DS S/D BAHADARGARH	NA	Rooftop Solar			LT											0.214
372	DS S/D DHIRCHOK	NA	Rooftop Solar			LT											0
373	DS S/S S/D SANGRUR	NA	Rooftop Solar			LT											1.901
374	DS CITY S/D DHARIWAL	NA	Rooftop Solar			LT											0.125
375	DS S/D BANGAN	NA	Rooftop Solar			LT											0
376	DS S/D MOONAK	NA	Rooftop Solar			LT											0
377	DS S/S S/D LEHRAGAGA	NA	Rooftop Solar			LT											0
378	DS S/D Colony 1 Barnala	NA	Rooftop Solar			LT											0
379	DS S/D Colony 2 Barnala	NA	Rooftop Solar			LT											0
380	DS S/D GOMANA	NA	Rooftop Solar			LT											0
381	DS S/D SINGLA	NA	Rooftop Solar			LT											0
382	DS S/D BHAGWANWALA	NA	Rooftop Solar			LT											0
383	DS S/D BHAGHUPA	NA	Rooftop Solar			LT											0
384	DS S/D RATHANA	NA	Rooftop Solar			LT											0

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385	DS S/D BARETA	NA	Rooftop Solar			LT									0	
386	DS S/D BHIKHI	NA	Rooftop Solar			LT									0	
387	DS S/D BOHA	NA	Rooftop Solar			LT									0	
388	DS S/D BUDHLADA	NA	Rooftop Solar			LT									0	
389	DS CITY S/D MANSA	NA	Rooftop Solar			LT									0	
390	DS S/D JHUNIR	NA	Rooftop Solar			LT									0	
391	DS S/D JOGA	NA	Rooftop Solar			LT									0	
392	DS S/D SARDULGARH	NA	Rooftop Solar			LT									0	
393	DS SUB S/D MANSA	NA	Rooftop Solar			LT									0	
394	DS CITY S/D MAUR	NA	Rooftop Solar			LT									0	
395	DS S/D KOT SHAMIR	NA	Rooftop Solar			LT									0	
396	DS S/D RAMA MANDI	NA	Rooftop Solar			LT									0	
397	DS S/D TALWANDI SABO	NA	Rooftop Solar			LT									0	
398	DS SUB S/D MAUR	NA	Rooftop Solar			LT									0	
399	DS S/D BHUCHO MANDI	NA	Rooftop Solar			LT									0	
400	DS S/D CITY RAMPURA PHUL	NA	Rooftop Solar			LT									0	
401	DS SUB S/D RAMPURA PHUL	NA	Rooftop Solar			LT									0	
402	DS S/D BHUCHO KALAN	NA	Rooftop Solar			LT									0	
403	DS S/D BHAGTA	NA	Rooftop Solar			LT									0	
404	DS S/D DHARAMKOT	NA	Rooftop Solar			LT									0	
405	DS S/D [illegible]	NA	Rooftop Solar			LT									0	
406	DS S/D KOT ISE KHAN	NA	Rooftop Solar			LT									0	
407	DS SUB S/D MOGA	NA	Rooftop Solar			LT									0	
408	DS SOUTH S/D MOGA	NA	Rooftop Solar			LT									3.071	
409	DS CITY S/D BAGHAPURANA	NA	Rooftop Solar			LT									2.704	
410	DS S/D BILASPUR	NA	Rooftop Solar			LT									0	
411	DS S/D PATTO HIRA SINGH	NA	Rooftop Solar			LT									0	
412	DS S/D SMADH BHAI	NA	Rooftop Solar			LT									0	
413	DS SUB S/D BAGHAPURANA	NA	Rooftop Solar			LT									0	
414	DS CITY S/D FARIDKOT	NA	Rooftop Solar			LT									0	
415	DS S/D GOLEWALA	NA	Rooftop Solar			LT									0	
416	DS S/D SADIQ	NA	Rooftop Solar			LT									0	
417	DS SUB S/D FARIDKOT	NA	Rooftop Solar			LT									0	
418	DS CITY S/D KOTKAPURA	NA	Rooftop Solar			LT									0.891	
419	DS S/D BAJAKHANA	NA	Rooftop Solar			LT									0.892	
420	DS S/D BARGARI	NA	Rooftop Solar			LT									0	
421	DS S/D JAITO	NA	Rooftop Solar			LT									0	
422	DS SUB S/D KOTKAPURA	NA	Rooftop Solar			LT									0.917	
423	DS NORTH S/D MOGA	NA	Rooftop Solar			LT									0.401	
424	DS S/D AJITWAL	NA	Rooftop Solar			LT									0.451	
425	DS S/D BADHNI KALAN	NA	Rooftop Solar			LT									0	
426	DS S/D [illegible]	NA	Rooftop Solar			LT									0	
427	DS S/D NATHUWALA	NA	Rooftop Solar			LT									0	
428	DS CANTT. NO-2 S/D FEROZEPUR	NA	Rooftop Solar			LT									0	
429	DS CITY S/D FEROZEPUR	NA	Rooftop Solar			LT									1.024	
430	DS S/D FEROZESHAH	NA	Rooftop Solar			LT									0	
431	DS S/D MUDKI	NA	Rooftop Solar			LT									0	
432	DS S/D [illegible]	NA	Rooftop Solar			LT									0	
433	DS CITY S/D GURU HAR SAHAI	NA	Rooftop Solar			LT									0	
434	DS CITY S/D JALALABAD	NA	Rooftop Solar			LT									0	
435	DS S/D GHUBAYA	NA	Rooftop Solar			LT									0	
436	DS SUB S/D GURU HAR SAHAI	NA	Rooftop Solar			LT									0	
437	DS SUB S/D JALALABAD	NA	Rooftop Solar			LT									0	
438	DS S/D MAKHU	NA	Rooftop Solar			LT									0	
439	DS S/D MALLANWALA	NA	Rooftop Solar			LT									0	
440	DS S/D TALWANDI BHAI	NA	Rooftop Solar			LT									0	
441	DS S/D ZIRA	NA	Rooftop Solar			LT									0	
442	DS CANTT. NO-1 S/D FEROZEPUR	NA	Rooftop Solar			LT									0	
443	DS S/D JHOK HARI HAR	NA	Rooftop Solar			LT									0	
444	DS S/D JHOKE TEHAL SINGH	NA	Rooftop Solar			LT									0	
445	DS S/D MAMDOT	NA	Rooftop Solar			LT									0	
446	DS SUB S/D FEROZEPUR	NA	Rooftop Solar			LT									0	
447	DS S/D KHUIAN SARWAR	NA	Rooftop Solar			LT									0.31	
448	DS S/D NO.1 ABOHAR	NA	Rooftop Solar			LT									0	
449	DS S/D NO.2 ABOHAR	NA	Rooftop Solar			LT									0	
450	DS S/D NO.3 ABOHAR	NA	Rooftop Solar			LT									0	
451	DS S/D BALLUANA	NA	Rooftop Solar			LT									0	
452	DS S/D [illegible]	NA	Rooftop Solar			LT									0	
453	DS S/D LAMBI	NA	Rooftop Solar			LT									0	
454	DS CITY S/D FAZILKA	NA	Rooftop Solar			LT									0	
455	DS S/D [illegible]	NA	Rooftop Solar			LT									0	
456	DS S/D LADHUKA	NA	Rooftop Solar			LT									0	
457	DS SUB S/D FAZILKA	NA	Rooftop Solar			LT									0	
458	DS CITY S/D GIDDERBAHA	NA	Rooftop Solar			LT									0	
459	DS S/D DODA	NA	Rooftop Solar			LT									0	
460	DS SUB S/D GIDDERBAHA	NA	Rooftop Solar			LT									0	
461	DS CITY S/D MALOUT	NA	Rooftop Solar			LT									0	
462	DS S/D ABUL KHURANA	NA	Rooftop Solar			LT									0	

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464	[illegible]	NA	Rooftop Solar			LT									0
465	[illegible]	NA	Rooftop Solar			LT									0.004
466	[illegible]	NA	Rooftop Solar			LT									0
467	[illegible]	NA	Rooftop Solar			LT									0
468	[illegible]	NA	Rooftop Solar			LT									0
469	[illegible]	NA	Rooftop Solar			LT									0
470	[illegible]	NA	Rooftop Solar			LT									0
471	[illegible]	NA	Rooftop Solar			LT									0
472	[illegible]	NA	Rooftop Solar			LT									0

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(Details of Consumers)						
Summary of Energy						
Period From 01.04.2023 To 31.03.2024						
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	EHT/HT/LT	400/220/66/33/11/LT	7928679	17905.911	
2	Commercial	EHT/HT/LT	400/220/66/11/LT	1257777	4681.717	
3	IP Sets					
4	Hor. & Nur. & Coffee/Tea & Rubber (Metered)	NA	NA			
5	Hor. & Nur. & Coffee/Tea & Rubber (Flat)	NA	NA			
6	Heating and Motive Power	NA	NA			
7	Water Supply			15906		Consumption taken in Category in which it falls.
8	Public Lighting	LT	LT	5808	59.711	
9	HT Water Supply			220		Consumption taken in Category in which it falls.
10	HT Industrial	EHT/HT/LT	400/132/66/11	15772	18732.306	
11	Industrial (Small)			96506	1136.177	
12	Industrial (Medium)			29435	2361.461	
13	HT Commercial	EHT/HT/LT	400/220/66/33/11/LT			
14	Applicable to Government Hospitals & Hospitals					
15	Lift Irrigation Schemes/Lift Irrigation Societies					
16	HT Res. Apartments Applicable to all areas					
17	Mixed Load					
18	Government offices and department					
19	Others-1 (if any , specify in remarks)	Agricultral power	LT	1391191	12797.329	
20	Others-2 (if any , specify in remarks)	Railway Traction	400/132	6	137.487	
21	Others-3 (if any , specify in remarks)	Bulk Supply	LT/11/33	544	705.055	
22	Others-4 (if any , specify in remarks)	others(Or High Technology, Waste management & charitable hospitals)		56		Consumption taken in Category in which it falls.
23	Theft Units, Short Assesment, Unbilled Revenue(Eq.Units)				418.69	
24	Misc. Sale adjustment to match with planning(Temporary, night Supply, Non Operation				776.01	
			Total	10741902	59711.85	

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Er. Ravi Verma
EA- 7969
Energy Auditor
PSPCL, Patiala

"A"(Details of Distribution Transformers(DT) Level Information)

Period From 1-04-2023 To 31.03.2024

Circle	Division	Subdivision	Feeder Category	Feeder Voltage	Capacity	TF Count
PATIALA	DS WEST DIVN PATIAL	DS WEST TECH S/D PTA	Cat-1	11KV	10KVA 1P	1
PATIALA	DS WEST DIVN PATIAL	DS WEST TECH S/D PTA	Cat-1	11KV	10KVA 3P	1
PATIALA	DS WEST DIVN PATIAL	DS WEST TECH S/D PTA	Cat-1	11KV	16KVA	4
PATIALA	DS WEST DIVN PATIAL	DS WEST TECH S/D PTA	Cat-1	11KV	25KVA	5
PATIALA	DS WEST DIVN PATIAL	DS WEST TECH S/D PTA	Cat-1	11KV	63KVA	9
PATIALA	DS WEST DIVN PATIAL	DS WEST TECH S/D PTA	Cat-1	11KV	100KVA	302
PATIALA	DS WEST DIVN PATIAL	DS WEST TECH S/D PTA	Cat-1	11KV	200KVA	259
PATIALA	DS WEST DIVN PATIAL	DS WEST TECH S/D PTA	Cat-1	11KV	300KVA	38
PATIALA	DS WEST DIVN PATIAL	DS WEST TECH S/D PTA	Cat-1	11KV	500KVA	22
PATIALA	DS WEST DIVN PATIAL	DS WEST TECH S/D PTA	Cat-1	11KV	1000KVA	1
PATIALA	DS WEST DIVN PATIAL	DS WEST TECH S/D PTA	Cat-1	11KV	400KVA	1
PATIALA	DS WEST DIVN PATIAL	DS WEST TECH S/D PTA	Cat-1	11KV	2000 KVA	2
PATIALA	DS WEST DIVN PATIAL	DS WEST TECH S/D PTA	Cat-1	11KV	630 KVA	3
PATIALA	DS WEST DIVN PATIAL	DS WEST TECH S/D PTA	Cat-1	11KV	250KVA	7
PATIALA	DS WEST DIVN PATIAL	DS WEST TECH S/D PTA	Cat-1	11KV	315KVA	13
PATIALA	DS WEST DIVN PATIAL	DS WEST TECH S/D PTA	Cat-1	11KV	1250KVA	1
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-1	11KV	10KVA 1P	4
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-1	11KV	10KVA 3P	3
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-1	11KV	16KVA	4
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-1	11KV	25KVA	26
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-1	11KV	63KVA	39
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-1	11KV	100KVA	440
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-1	11KV	200KVA	173
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-1	11KV	300KVA	18
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-1	11KV	500KVA	5
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-1	11KV	1000KVA	1
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-1	11KV	400KVA	1
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-1	11KV	250KVA	1
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-1	11KV	315KVA	2
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-2	11KV	10KVA 1P	2
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-2	11KV	25KVA	19
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-2	11KV	63KVA	83
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-2	11KV	100KVA	204
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-2	11KV	200KVA	41
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-2	11KV	300KVA	9
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-2	11KV	500KVA	7
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-2	11KV	1000KVA	2
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-2	11KV	400KVA	2
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-2	11KV	630 KVA	1
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-2	11KV	315KVA	2
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-4	11KV	400KVA	1
PATIALA	DS WEST DIVN PATIAL	DS NORTH TECH S/D PTA	Cat-4	66KV	6.3 MVA	2
PATIALA	DS EAST DIVN PATIALA	DS CANTT. S/D PATIALA	Cat-1	11KV	6.3KVA	1
PATIALA	DS EAST DIVN PATIALA	DS CANTT. S/D PATIALA	Cat-1	11KV	10KVA 1P	33
PATIALA	DS EAST DIVN PATIALA	DS CANTT. S/D PATIALA	Cat-1	11KV	10KVA 3P	21

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BARNALA	DS DIVN. MALERKOTLA	DS S/D SHERWANIKOT	A3P3W	11KV	10KVA 1P	9
BARNALA	DS DIVN. MALERKOTLA	DS S/D SHERWANIKOT	A3P3W	11KV	10KVA 3P	231
BARNALA	DS DIVN. MALERKOTLA	DS S/D SHERWANIKOT	A3P3W	11KV	16KVA	1097
BARNALA	DS DIVN. MALERKOTLA	DS S/D SHERWANIKOT	A3P3W	11KV	25KVA	1787
BARNALA	DS DIVN. MALERKOTLA	DS S/D SHERWANIKOT	A3P3W	11KV	63KVA	87
BARNALA	DS DIVN. MALERKOTLA	DS S/D SHERWANIKOT	A3P3W	11KV	100KVA	55
BARNALA	DS DIVN. MALERKOTLA	DS S/D SHERWANIKOT	SS TF	11KV	100KVA	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	Cat-1	11KV	10KVA 1P	3
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	Cat-1	11KV	10KVA 3P	5
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	Cat-1	11KV	16KVA	3
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	Cat-1	11KV	25KVA	3
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	Cat-1	11KV	63KVA	20
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	Cat-1	11KV	100KVA	14
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	Cat-2	11KV	2000 KVA	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	Cat-2	11KV	315KVA	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	Cat-5/UPS	11KV	10KVA 1P	37
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	Cat-5/UPS	11KV	10KVA 3P	20
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	Cat-5/UPS	11KV	16KVA	23
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	Cat-5/UPS	11KV	25KVA	38
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	Cat-5/UPS	11KV	63KVA	40
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	Cat-5/UPS	11KV	100KVA	84
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	Cat-5/UPS	11KV	200KVA	13
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	A3P3W	11KV	6.3KVA	46
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	A3P3W	11KV	10KVA 1P	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	A3P3W	11KV	10KVA 3P	667
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	A3P3W	11KV	16KVA	898
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	A3P3W	11KV	25KVA	848
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	A3P3W	11KV	63KVA	157
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	A3P3W	11KV	100KVA	90
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	SS TF	11KV	100KVA	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D LASSOI	SS TF	11KV	50KVA	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-1	11KV	6.3KVA	2
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-1	11KV	10KVA 1P	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-1	11KV	10KVA 3P	14
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-1	11KV	16KVA	13
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-1	11KV	25KVA	22
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-1	11KV	63KVA	12
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-1	11KV	100KVA	15
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-2	11KV	16KVA	2
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-2	11KV	25KVA	6
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-2	11KV	63KVA	3
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-2	11KV	100KVA	4
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-2	11KV	200KVA	3
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-4	11KV	100KVA	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-4	11KV	500KVA	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-4	11KV	3000KVA	2
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-4	11KV	1600 KVA	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-4	66KV	6.3 MVA	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-5/UPS	11KV	10KVA 1P	19
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-5/UPS	11KV	10KVA 3P	5

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BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-5/UPS	11KV	16KVA	27
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-5/UPS	11KV	25KVA	27
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-5/UPS	11KV	63KVA	23
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-5/UPS	11KV	100KVA	45
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	Cat-5/UPS	11KV	25KVA S/P	2
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	A3P3W	11KV	6.3KVA	30
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	A3P3W	11KV	10KVA 1P	4
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	A3P3W	11KV	10KVA 3P	389
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	A3P3W	11KV	16KVA	747
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	A3P3W	11KV	25KVA	725
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	A3P3W	11KV	63KVA	79
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	A3P3W	11KV	100KVA	52
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	A3P3W	11KV	200KVA	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	A3P3W	11KV	300KVA	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	A3P4W	11KV	10KVA 3P	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	A3P4W	11KV	16KVA	5
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	A3P4W	11KV	25KVA	8
BARNALA	DS DIVN. MALERKOTLA	DS S/D KUP-KALAN	SS TF	11KV	100KVA	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	Cat-1	11KV	10KVA 1P	4
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	Cat-1	11KV	10KVA 3P	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	Cat-1	11KV	16KVA	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	Cat-1	11KV	25KVA	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	Cat-1	11KV	63KVA	10
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	Cat-1	11KV	100KVA	9
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	Cat-5/UPS	11KV	6.3KVA	4
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	Cat-5/UPS	11KV	10KVA 1P	81
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	Cat-5/UPS	11KV	10KVA 3P	26
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	Cat-5/UPS	11KV	16KVA	28
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	Cat-5/UPS	11KV	25KVA	73
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	Cat-5/UPS	11KV	63KVA	70
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	Cat-5/UPS	11KV	100KVA	109
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	Cat-5/UPS	11KV	200KVA	5
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	Cat-5/UPS	11KV	300KVA	2
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	Cat-5/UPS	11KV	400KVA	1
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	A3P3W	11KV	6.3KVA	14
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	A3P3W	11KV	10KVA 1P	11
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	A3P3W	11KV	10KVA 3P	675
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	A3P3W	11KV	16KVA	1847
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	A3P3W	11KV	25KVA	1904
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	A3P3W	11KV	63KVA	130
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	A3P3W	11KV	100KVA	37
BARNALA	DS DIVN. MALERKOTLA	DS S/D SANDOUR	SS TF	11KV	100KVA	1
TOTAL						1284607

"B" Details of DT-wise losses (please add more rows as per requirement)

Zone Name	Circle name	Division name	Name of the Sub-division	Name of the Sub-station	Substation Code	Name of the 11 kV Feeder

Note : DT wise losses are not available Presently.

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(Details of Feeder-wise losses)

Period From 01.04.2023 To 31.03.2024

Sr No.	Zone	Circle	Received at Circle (In MU)	Division	Received at Division (In MU)	Subdivision	Received at Sub division (In MU)	Name of the Station	Feeder Code	Feeder Name	Type of Feeder (Urban/Mixed/Industrial/Agricultural/Rural)	Type of Feeder meter (AMI/AMR /Other)	Received at Feeder (Final in MU)
1	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D GHEE MANDI TECH. ASR		Rd ASR S/U Sub	C751FL03	11Kv NEW GOLDEN AVENUE	Category 1	AMR	5.182
2	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D GHEE MANDI TECH. ASR		Rd ASR S/U Sub	C751FL08	11Kv New Ravi Dass Road	Category 1	AMR	10.882
3	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D GHEE MANDI TECH. ASR		66KV Golden T	D754FL03	11Kv Navdeep Theatre	Category 1	AMR	6.333
4	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D GHEE MANDI TECH. ASR		66KV Golden T	D754FL04	11Kv Chattiwind	Category 1	AMR	6.161
5	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D GHEE MANDI TECH. ASR	64.6063	66KV Golden T	D754FL02	11Kv Ghee Mandi 2	Category 1	AMR	5.172
6	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D GHEE MANDI TECH. ASR		66KV Golden T	D754FL01	11Kv Kesri Bagh	Category 1	AMR	6.359
7	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D GHEE MANDI TECH. ASR		132 KV GT Rd	C754FL01	HUSSAINPURA	Category 1	AMR	7.417
8	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D GHEE MANDI TECH. ASR		132 KV GT Rd	C751FL02	Head Water Works Road	Category 1	AMR	7.956
9	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D GHEE MANDI TECH. ASR		66KV Golden T	C754FL13	11KV NEW KESRI BAGH	Category 1	AMR	3.145
10	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D GHEE MANDI TECH. ASR		66KV Golden T	D754FL09	11 KV MOTI BAZAR	Category 1	AMR	5.999
11	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D HUSSAINPURA TECH. ASR.		Hall Gate - D75	D751FL07	11Kv saraswati	Category 1	AMR	4.391
12	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D HUSSAINPURA TECH. ASR.		Dental - D752	D752FL10	11KV HussainPura	Category 1	AMR	10.189
13	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D HUSSAINPURA TECH. ASR.		Hall Gate - D75	D751FL02	11KV Ram Bagh	Category 1	AMR	6.570
14	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D HUSSAINPURA TECH. ASR.		Hall Gate - D75	D751FL14	11KV Civil Hospital Independent	Category 2	AMR	1.178
15	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D HUSSAINPURA TECH. ASR.		66KV Golden T	D754FL05	Cheel Mandi	Category 1	AMR	8.985
16	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D HUSSAINPURA TECH. ASR.		66KV Golden T	D754FL13	11 KV TOWN HALL	Category 1	AMR	0.680
17	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D HUSSAINPURA TECH. ASR.	45.8902	66KV Golden T	D754FL15	11 KV MASHI MANDI	Category 1	AMR	0.001
18	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D HUSSAINPURA TECH. ASR.		Hall Gate - D75	D751FL22	BHARAWA DA DHABHA	Category 1	AMR	1.756
19	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D HUSSAINPURA TECH. ASR.		Hall Gate - D75	D751FL23	MASHI MANDI	Category 1	AMR	1.649
20	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D HUSSAINPURA TECH. ASR.		Hall Gate - D75	D751FL24	KARION MARKET	Category 1	NON AMR	1.517
21	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D HUSSAINPURA TECH. ASR.		Hall Gate - D75	D751FL21	TOWN HALL	Category 1	AMR	6.886
22	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D HUSSAINPURA TECH. ASR.		-NA-	D751FL25	SUBASH PARK	Category 1	Not availab	2.089
23	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR	325.4107	DS S/D MALL MANDI TECH. ASR.		132 KV Mal M	C801FL02	Focipoint old	Category 2	AMR	23.193
24	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		132 KV Mal M	C801FL04	Bhai Lalo Ji Nagar	Category 1	AMR	13.429
25	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		132 KV Mal M	C801FL06	GT road	Category 1	AMR	12.047
26	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		132 KV Mal M	C801FL08	Byepass	Category 1	AMR	0.921
27	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		132 KV Mal M	C801FL10	New Focal point	Category 2	AMR	14.109
28	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		132 KV Mal M	C801FL11	New Amritsar	Category 1	AMR	11.372
29	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		132 KV GT Rd	C751FL13	Gobind Nagar	Category 1	AMR	10.740
30	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		132 KV GT Rd	C751FL14	Kapoor Nagar	Category 1	AMR	7.370
31	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		-NA-	C751DL01	Apha G	Category 1	Not availab	14.617
32	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		132 KV Mal M	C801FL13	GTB FOCAL POINT	Category 2	AMR	13.156
33	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		-NA-	C801FL2	KHANKOT	Category 1	Not availab	6.805
34	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.	214.9142	66 KV Sultanw	D945SL01	BABA DEEP SINGH	Category 1	AMR	2.769
35	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		66 KV Sultanw	D945SL02	ATTARI SAHIB	Category 1	AMR	11.024
36	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		66 KV Sultanw	D945FL04	Bhai Ghaniyla Ji	Category 1	AMR	8.735
37	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		66 KV Sultanw	D945SL05	BABA BUDHA JI	Category 1	AMR	11.117
38	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		66 KV Sultanw	945FL07	11 KV DASURJI	Category 1	NON AMR	15.079
39	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		66 KV Sultanw	945FL08	11 KV SULTANWIND-1	Category 1	NON AMR	11.454
40	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		Focal Point - D	D832FL10	11 KV VALLAH	Category 1	AMR	12.874
41	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		132 KV GT Rd	C751DL11	11 KV Bhai Gurdas Ji Nagar	Category 1	NON AMR	6.143
42	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		66 KV Sultanw	D945FL11	11kV Diamond Estate	Category 1	AMR	6.340
43	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		Manawala - D8	D821FL19	11 kv Alpha City	Category 1	AMR	0.200
44	Border	CITY AMRITSAR		DS CITY CENTER DIVN., ASR		DS S/D MALL MANDI TECH. ASR.		132 KV Mal M	C801FL14	11kV Garden Enclave	Category 1	NON AMR	0.936

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13407	West	MUKATSAR		DS DIVN. MUKTSAR		DS S/U S/D MUKTSAR		-NA-	B501FL08	DIPOSAL BY-PASS	Category 2	Not availat	0.003
13408	West	MUKATSAR		DS DIVN. MUKTSAR		DS S/U S/D MUKTSAR		220 KV Mukts	B501FL05	FOCAL POINT	Category 2	AMR	8.923
13409	West	MUKATSAR		DS DIVN. MUKTSAR		DS S/U S/D MUKTSAR		132 KV Mukts	C501FL02	INDUSTRIAL	Category 1	AMR	13.032
13410	West	MUKATSAR		DS DIVN. MUKTSAR		DS S/U S/D MUKTSAR		132 KV Mukts	C501FL04	TIBBI SAHIB	Category 1	AMR	4.276
13411	West	MUKATSAR		DS DIVN. MUKTSAR		DS S/U S/D MUKTSAR		132 KV Mukts	C501FL07	THANDEWALA	Category 5-UPS	AMR	9.376
13412	West	MUKATSAR		DS DIVN. MUKTSAR		DS S/U S/D MUKTSAR		132 KV Mukts	C501FL01	THANDEWALA ap	AP 3Phase 3Wire	AMR	1.987
13413	West	MUKATSAR		DS DIVN. MUKTSAR		DS S/U S/D MUKTSAR		132 KV Mukts	C501FL05	SANGU DHAUN	AP 3Phase 3Wire	AMR	0.964
13414	West	MUKATSAR		DS DIVN. MUKTSAR		DS S/U S/D MUKTSAR	78.0411	66 KV Bhuttiw	D523FL01	Kothe Dal Singh(Thandewala)	AP 3Phase 3Wire	AMR	1.490
13415	West	MUKATSAR		DS DIVN. MUKTSAR		DS S/U S/D MUKTSAR		220 KV Mukts	B501FL10	JALALABAD ROAD	Category 1	AMR	6.289
13416	West	MUKATSAR		DS DIVN. MUKTSAR		DS S/U S/D MUKTSAR		66 KV Tibbi Sa	D569FL01	11KV Gaushalia Road	Category 1	NON AMR	6.284
13417	West	MUKATSAR		DS DIVN. MUKTSAR		DS S/U S/D MUKTSAR		66 KV Tibbi Sa	D569FL02	11KV Old Grain Market.	Category 1	NON AMR	8.121
13418	West	MUKATSAR		DS DIVN. MUKTSAR		DS S/U S/D MUKTSAR		66 KV Tibbi Sa	D569FL03	11KV New Jalalabad Road.	Category 1	NON AMR	9.301
13419	West	MUKATSAR		DS DIVN. MUKTSAR		DS S/U S/D MUKTSAR		66 KV Tibbi Sa	D569FL04	11KV Fattanwala Road.	Category 1	NON AMR	5.857
13420	West	MUKATSAR		DS DIVN. MUKTSAR		DS S/U S/D MUKTSAR		66 KV Tibbi Sa	D569FL05	11KV Disposal	Category 1	NON AMR	0.201
13421	West	MUKATSAR		DS DIVN. MUKTSAR		DS S/U S/D MUKTSAR		66 KV Tibbi Sa	D569FL06	11KV Muktsar AP	AP 3Phase 3Wire	AMR	1.928
13422	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 Kv Lakhewa	D527FL01	Lakhewali(Urban)	Category 1	AMR	5.792
13423	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 Kv Lakhewa	D527FL02	Madrassa Ukw(AP)	AP 3Phase 3Wire	AMR	1.923
13424	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 Kv Lakhewa	E501FL03	Roranwali(AP)	AP 3Phase 3Wire	AMR	2.437
13425	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 Kv Lakhewa	D527FL04	Nand Garh	Category 5-UPS	AMR	5.170
13426	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 KV Khuran	D528FL05	RATTA THER UPS	Category 5-UPS	AMR	3.246
13427	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 KV Khuran	D528FL01	Kanianwali AP	AP 3Phase 3Wire	AMR	1.112
13428	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 KV Khuran	D528FL02	HALIMWALA (AP)	AP 3Phase 3Wire	AMR	1.278
13429	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 KV Khuran	D528FL04	ROHANWALI (UPS)	Category 5-UPS	AMR	8.891
13430	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 KV Khuran	D528FL03	Kharanj	Category 1	AMR	1.383
13431	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali	52.3038	66 Kv Chak she	D532FL03	Gandhar	AP 3Phase 3Wire	AMR	1.014
13432	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 Kv Chak she	D532FL05	GANDHAR UPS	Category 5-UPS	AMR	2.392
13433	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 KV Bhagsar	D550FL01	MAHABADHAR AP	AP 3Phase 3Wire	AMR	0.862
13434	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 KV Bhagsar	D550FL02	JHEENDWALA AP	AP 3Phase 3Wire	AMR	1.097
13435	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 KV Bhagsar	D550FL03	BHAGSAR AP	AP 3Phase 3Wire	AMR	0.967
13436	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 KV Bhagsar	D550FL04	BHAGSAR CAT-1	Category 1	AMR	7.584
13437	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 kv Chak Jan	D549FL03	TELUPURA	AP 3Phase 3Wire	AMR	1.154
13438	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 Kv Lakhewa	D527FL05	NANDGARH AP	AP 3Phase 3Wire	AMR	1.856
13439	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 KV Khuran	E528FL06	ROHIWALA	AP 3Phase 3Wire	AMR	1.509
13440	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 kv Chak Jan	D549FL05	Ranta Ther New	Category 5-UPS	AMR	1.777
13441	West	MUKATSAR		DS DIVN. MUKTSAR		Sub Office Lakhewali		66 Kv Lakhewa	D527FL06	Samewali	AP 3Phase 3Wire	AMR	0.860
		Rooftop solar	98.48		98.48		98.48							98.48
		Railway open access	9.88		9.88		9.88							9.88
-			66886.39		66886.39		66886.39							66886.39

Dy. C.E. / D.S.M.
P.S.P.C.L., Patiala

Er. Ravi Verma
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Energy Auditor
PSPCL, Patiala.

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Annexure - 1 : Proforma for Quarterly Consumer Category-wise Subsidy Billed/Received/Due for period 2023-24 R

FY 2023-24

Consumer Category (Separate for each subsidized consumer category)	Billed Energy			Subsidized Billed Energy			Applicable rate of Subsidy		Subsidy Due from State			Subsidy Actually Billed/claimed from State	Subsidy Received from State Govt. (As	Balance Subsidy yet to be Received from State Govt.
	Metered	Un-metered*	Total	Metered (out of col.2)	Un-metered* (Out of col.3)	Total	Metered Energy**	Un-metered Energy**	Metered Energy	Un-metered Energy	Total			
	(in kwh)			(in kwh)			(in Rs/Kwh)		(in Rs. Cr.)			(in Rs. Cr.	(in Rs. Cr.	(in Rs. Cr.)
1	2	3	4=2+3	5	6	7=5+6	8	9	10=5x8	11=6x9	12=10+11	13	14	15=13-14
Residential	16,34,90,77,099		16,34,90,77,099	16,34,90,77,099		16,34,90,77,099	Rs. 2.50 to 7.15 per KWH		7233.82		7233.82	7233.82	6818.28	415.54
Agriculture	12,60,10,000	12,67,13,50,000	12,79,73,60,000	12,60,10,000	12,67,13,50,000	12,79,73,60,000	Rs. 6.55 per KW		81.54	8252.47	8334.01	8334.01	8881.83	-547.82
Commercial/Industrial-LT	22,85,05,42,670		22,85,05,42,670	22,85,05,42,670		22,85,05,42,670	Rs. 0.17 to 1.39 per KVA		2175.95		2175.95	2175.95	2576.63	-400.68
Commercial/Industrial-HT														
Other (Specify) WW														
Total	39,32,56,29,769	12,67,13,50,000	51,99,69,79,769	39,32,56,29,769	12,67,13,50,000	51,99,69,79,769			9491.31	8252.47	17743.78	17743.78	18276.74	-532.96

Note: The Excess amount received of Rs. 532.96 crore will be adjusted towards carrying cost and clearance of liquidation dues.

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PSPCL,Patiala

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PSPCL
PUNJAB STATE POWER
CORPORATION LTD.