





PUNJAB STATE POWER CORPORATION LIMITED (PSPCL)

REGISTERED OFFICE ADDRESS THE MALL, PATIALA, DISTRICT PATIALA, PUNJAB – 147001, INDIA

"Report on Annual Energy Audit for FY: 2024-25"

Prepared By:

NAMDHARI ECÓ ENERGIES PVT. LTD.



FY: 2024-25



Annual Energy Audit for Punjab State Power Corporation Limited - FY 2024-25 PSPCL 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-DIS0014PB) PSPCL,

The Mall, Patiala-147001 Punjab

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Audit Team

Namdhari Eco Energies Pvt Ltd

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Bureau of Energy Efficiency
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(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:

PUNJAB STATE POWER CORPORATION LIMITED, Team

- 1. Er. Rakesh Chand Kokria (Chief Engineer (Energy Audit & Enforcement)
- 2. Er. Saleem Mohammad (Dy CE/DSM)
- 3. Er. Harpreet Raj Singh Sandhu (ASE/DSM)
- 4. Er. Ravi Verma (ASE/Distribution Projects(D-1) cum Energy Auditor EA-7969
- 5. Er. Bhupinder Singh (AEE/DSM)

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 22-04-2024 and extended vide memo no. 76/DSM-146 dated 10.02.2025 to M/S Namdhari Eco Energies Private Limited. The team members involved in this project played vital roles in ensuring its successful execution. The Audit was held during May 2025. 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-		
MURTAZA AHMED GANIE	ENERGY CONSULTANT		
PRASHANT YADAV	ENERGY 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.



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				
СТ	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				
GATP	Guru Amardas Thermal Power Plant				
ВВМВ	Bhakra Beas Management Board				
SLDC	State Load Dispatch Centre				
T & D	Transmission and Distribution				
•	•				



1 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 2024-25 Work Order: 001/DSM dated 22-04-2024 and extended vide memo no. 76/DSM-146 dated 10.02.2025 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 47309.70 MW, which consumes annual input energy (At DISCOM Periphery) 74639.71MU. The actual sold power stands to be 65449.41 MU to the consumers. The billing efficiency stands to be 87.68%. The T & D losses are 12.31 %. The category-wise load calculation &percentage and energy consumption along with percentage are mentioned below.

Table 1:Consumer category wise energy Consumption Details

Consumer category	Total Number of connection s (Nos)	% of number of connection s	Total Connected Load (MW)	% of connected load	Total energy (MW)	% of energy consumptio n
Residential	8151277	74.02%	17259.5	35.38%	20124.98	30.75%
Agricultural	1392212	12.65%	11508.62	25.07%	14967.02	22.87%
Commercial/Industria	1446905	13.14%	9003.173	19.23%	8930.705	13.65%
Commercial/Industria	11992	0.11%	9073.17	19.30%	20294.55	31.01%
Others	6578	0.06%	465.234	1.03%	1132.149	1.73%
Total	11008964	100.00%	47309.70	100.00%	65449.41	100.00%



Table 2: PSPCL Summary Table of FY 2024-25

Particulars	Value	Unit
Total Energy Requirement	78611.54	MU
Inter State transmission Losses (Inc. BBMB)	1636.612	MU
Net Availability for PSPCL	76974.928	MU
Intra state losses State Losses	2335.219	MU
Input Pumped	74639.71	MU
Billed Energy	65449.41	MU
T&D loss	13,162.00	MU
D loss	9,190.17	MU
T&D loss (%)	16.74%	%
D loss (%)	12.31%	%
Others, Embedded (Roof top Solar)	131	MU

AT &C Losses as per Division wise losses/summary Sheet

Total Energy Requirement	78611.54	MU
Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	74639.71	MU
Total Energy billed (is the Net energy billed, adjusted for energy traded))	65449.41	MU
D losses	9190.3	MU
D loss (%)	12.31%	%
Billed Amount in Rs. Crore	47290.92	Cr.
Collected Amount in Rs. Crore	43411.54	Cr.
Collection Efficiency	91.80%	%
AT & C loss (%)	19.51%	%

The total energy requirement is 78611.54MU, with net availability for PSPCL at 76974.92 MU. The T&D loss stands at 16.74%, while D loss is 12.31%. The AT&C loss is 19.51%, matching the division-wise summary. Collection efficiency is reported at 91.80%.

Collection Efficiency:

PSPCL boasts of a collection efficiency of 91.80%, despite the actual collection efficiency being higher, which is restricted to 100% as per PFC guidelines. The AT&C losses are calculated to be 19.51%.

Metering and Network Issues:

• About 99.38% of agricultural consumers are not metered due to application of flat rate billing. Currently up to 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.





Consumer Categories and 11 KV Feeders:

Consumers are broadly categorized as Residential, Agriculture, Commercial/Industrial LT, Commercial HT, and Others.

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.



Critical Comments

The following comments are provided by the Accredited Energy Audit firm.

Sr. no	Comments by Auditor
1	Verification of Input Energy: All input energy data for the financial year 2024–25 was downloaded and verified through the PSPCL portal. The downloaded data was cross-checked against the figures entered in the Performa, and both were found to be consistent and matching.
2	Power Purchase Verification:
	A site visit was conducted to the purchase department to review the power purchase energy schedule. The energy procurement from different sources was verified against respective monthly bills. Copies of these bills were collected for documentation, and a monthly breakup of the power purchase data was maintained in the energy schedule Excel sheet.
3	Change in Kandi Feeder Methodology: From 2021 onwards, PSPCL has revised its methodology for billing unmetered AP <i>Kandi mixed feeders</i> . These feeders, typically located along riverbanks, originally ranged from 325–350 in number in 2021. However, as of 1st April 2024, only 263 feeders remain classified as mixed Kandi feeders, following the segregation of Exclusive Agricultural Pumping (AP) supply feeders in kandi mixed are separated and billed with input energy pumped after subtracting the loses from the that year. This is the reason for continuous reduction in the losses of the DISOCM from 2021 to 2023-24.
4	Consumption Split for Kandi Feeders: PSPCL considers 30% of the pumped energy for Kandi feeders as Agricultural (AP) supply, while the remaining 70% is treated as metered and billed non-AP consumption. Additionally, actual technical losses of the relevant financial year (e.g., 10.73 % in FY 2023–24) were deducted from the pumped energy.
5	Implementation of New Methodology:
	A new methodology was introduced by the Punjab Government in August 2024, applicable retrospectively from FY 2023–24. This change significantly impacted the reported losses and billing figures of PSPCL
6	Impact of Methodology Change:
	Due to the new methodology, there is an approximate reduction of 600 MU in billed energy. This variance was directly attributed to the revised accounting and categorization norms implemented by PSPCL.
7	Billed Data Validation: Billed energy data was cross-verified using the PSPCL online portal, where feeder-wise data was accessed and matched against submitted reports.



2 Background of Annual Energy Audit as per BEE for DISCOMs

The Bureau of Energy Efficiency (BEE), under the framework of the Energy Conservation Act, 2001, has mandated periodic Annual Energy Audits for Distribution Companies (DISCOMs) in India. The objective is to promote energy efficiency across the electricity value chain and to assist DISCOMs in identifying and reducing system losses.

Through Notification No. S.O. 2064(E) dated 30th June 2022, the Ministry of Power classified DISCOMs as Designated Consumers (DCs) under the PAT (Perform, Achieve, and Trade) Scheme. This makes it mandatory for DISCOMs to undertake Annual Energy Audits and report on their energy performance to BEE.

The primary goals of the Annual Energy Audit are to:

- 1. Quantify total energy input into the DISCOM system and compare it with billed and collected energy.
- 2. Identify technical and commercial losses (AT&C Losses) at various voltage levels.
- 3. Enable better energy accounting and monitoring through data-driven insights.
- 4. Provide a baseline for performance improvements and energy efficiency interventions.
- 5. Align with the broader national objectives of reducing distribution losses and enhancing grid efficiency.

The audit process involves a systematic review of energy flow — from transmission entry points down to end consumers — and covers various operational aspects such as purchase energy, open access, distributed generation, metering infrastructure, and consumer category-wise billing and collection.

BEE provides standard formats and guidelines for conducting these audits to ensure consistency, transparency, and accountability across all DISCOMs nationwide.



2.1 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.



2.2 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.).
- 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.
- 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.



2.3 Period of Annual Energy Auditing and Accounting

The period of Annual Energy Audit in this report covers FY 2024-25, starting from 1st April 2024 until 31st March 2025. The comprehensive energy audit site inspection and data verification took place from 27thMay 2025 to 28th May 2025. A detailed account of day-to-day activities during this period is provided in the table below.

Table 3: Period of Energy Audit and Activity

Date & Time (IST)	Activity	Description of Work
27-May-25 (10:00 AM – 11:00 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.
27-May-25 (11:00 PM – 12:00 AM)	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.
27-May-25 (13:00 PM – 15:00 PM)	Data Verification at PSPCL Head office	Data verification was carried out at PSPCL Head Office.
27-May-25 (15:00PM - 16:00 PM)	Data Verification at Division Billing Section	Data verification was carried out at Division Billing Section
27-May-25 (16:00 PM - 17:30 PM)	Feedback by AEA and Sector Expert	The draft report was reviewed, and necessary revisions were made for finalization.
28-May-25 (10:00 AM – 12:00 AM)	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.
28-May-25 (13:00 AM – 15:00 PM)	Substation visit and metering cross verification	A visit to the 66/11 KV substation Shakti Vihar, Patiala was conducted, synchronizing clocks to measure power for a specific time to determine transmission loss and meter accuracy.
28-May-25 (15:00 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.
28-May-25 (16:30 PM - 17:30 PM)	Data analysis and preliminary report preparation	The team analysed the data collected and prepared a preliminary report.



3 Introduction about PSPCL

Punjab State Power Corporation Limited (PSPCL) is the state-owned power utility responsible for electricity generation and distribution in the state of Punjab. It was constituted following the unbundling of the Punjab State Electricity Board (PSEB) under the provisions of the Electricity Act 2003. PSPCL operates a broad portfolio of power generation assets, which include thermal power plants, hydroelectric stations, and renewable energy sources, to meet the growing electricity demand of the state.

The Corporation manages a robust and widespread transmission and distribution network, delivering power across Punjab's urban, semi-urban, and rural areas. PSPCL caters to a diverse range of consumer categories including residential, commercial, industrial, agricultural, and public service segments. The utility plays a vital role in supporting the state's economic development by ensuring reliable, affordable, and quality electricity supply.

In recent years, PSPCL has placed strong emphasis on operational improvements, modernization of infrastructure, reduction of Aggregate Technical and Commercial (AT&C) losses, deployment of smart metering, and enhancement of energy efficiency in line with the national and state energy conservation objectives. The Annual Energy Audit aims to review the energy performance of the utility, identify areas of improvement, and support PSPCL's commitment towards sustainable and efficient energy management.





3.1 General Details of DISCOM

Table 4: General Details of PSPCL

	General Information					
1	Name of the DISCOM	Punjab State Power Corporation Limited (PSPCL)				
2	i) Year of Establishment	2010				
	ii) Government/Public/Privat e	Government				
3	I	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	Shri Ajoy Kumar Sinha IAS				
ii	Designation	CMD PSPCL				
iii	Address	The	Mall, Pati	ala		
iv	City/Town/Village	Patiala	P.O.	Patiala		
٧	District		Patiala			
vi	State	Punjab	Pin	147001		
vi i	Telephone	0175-2212005	Fax	0175-2213199		
5		Nodal Officer Details	*			
i	Nodal Officer Name (Designated at DISCOM's)	Er. Rake	sh Chand	Kokria		
ii	Designation	Chief Engineer (En	ergy Audi	t & Enforcement)		
iii	Address	Shed No. B2,	, Shakti Vi	har, Patiala		
iv	City/Town/Village	Patiala	P.O.	Patiala		
٧	District	Patiala				
vi	State	Punjab	Pin	147001		
vi i	Telephone	0175-2215774	Fax	0175-2215774		
6		Energy Manager Details*				
i	Name	Er. Ravi Verma				
ii	Designation	ASE	Wheth er EA or EM	EA		
iii	EA/EM Registration No.	F	EA-7969			



iv	Telephone			Fax	
V	Mobile	96461 18860 E-mail ID		aseraviverma@gmail.com ivarverma76@gmail.com	
7		Period o	f Information)	
	Year of (FY) information including Date and Month (Start & End)	1 April 2024 to 31 March 2025			

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

Table 5: Name and Details of Authorized Persons of DISCOM

Sr.no	Member of ECA	Name	Designation			
1.	Nodal Officer	Er. Rakesh Chand Kokria	Chief Engineer (Energy Audit & Enforcement)			
2.	Deputy Chief Engineer	Er. Saleem Mohammad	(Dy. CE/DSM)			
3.	ASE	Er. Harpreet Raj Singh Sandhu	(ASE/DSM)			
4.	Energy Auditor	Er. Ravi Verma	ASE & Energy Auditor			
5.	AEE	Er. Bhupinder Singh	AEE/DSM			

3.3 Vision & Mission of Punjab State Power Corporation Limited (PSPCL)

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.



3.4 Performance Summary Profile of DISCOM

The performance of the PSPCL - DISCOM for the financial year 2024–25 is summarized below, covering key operational and financial indicators such as energy input, energy billed, system losses, collection efficiency, and AT&C loss. These metrics provide a comprehensive overview of the distribution efficiency and financial health of the utility.

Table 6: Summary Profile of PSPCL DISCOM

Performance Summary of Electricity Distribution Companies							
1	Period of Information Year of (FY) information including Date and Month (Start & End)	1 April 2024 to 31 March 2025					
2	Technical Details						
(a)	Energy Input Details						
(i)	Input Energy Purchase (From Generation Source)	Million kwh	78611.54				
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh 74639.71					
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	65449.41				
(b)	Transmission and Distribution (T&D) loss Details*	Million kwh	9190.30				
		%	12.31%				
	Collection Efficiency	%	91.80%				
(c)	Aggregate Technical & Commercial Loss	%	19.51%				

Observations

The data for FY 2024–25 indicates that the PSPCL managed its distribution operations with a net input energy of 74,639.71 million kWh and achieved billing of 65,449.41 million kWh. The reported T&D loss of 12.31% is within a reasonable range for a large utility, though there remains scope for further technical improvements in network efficiency. The collection efficiency of 91.80% reflects good revenue management practices but indicates some room for strengthening consumer billing and collection processes. The overall AT&C loss of 19.51% suggests that continued efforts are needed to further reduce both technical and commercial losses to enhance operational and financial performance.



4 Energy Flows







4.1 Energy Accounts for Previous Years

In FY 2023-24, 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 23-24 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.

4.2 Energy Accounts and Performance in Current Year 2024-25 Vs Previous Year

Table 7: Performance

S.No	Observation	FY 2023-24	FY 2024-25
1.	The consumer growth from FY 24 to FY 25	10741902	11008964
2.	DTs	1284607	1250538
3.	Overall Line length including 66kv and above, 33kv,11kV and LT (ct km)	420389	432235.7
4.	T&D Loss	10.73%	12.31%

The increase in the losses have one reason for change in the billing methodology of Mixed Kandi feeder. The is reduction in billing energy with new methodology.



4.2.1 Source of Input Energy

Punjab State Power Corporation Limited own generation from GGSSTP, Ropar OF 840 MW, GHTP, Lehra Mohabbat 920 MW, Guru Amardas Thermal Power Plant 540 MW and Hydro power plants of combine capacity Neary 3500 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

	Details of Input Energy Sources									
	Period From 01.04.2024 To 31.03.2025									
	A. Generation at Transmission Periphery (Details)									
S.N	Name of	Generati	Type of Station Generation	Type of	Contract		Point	Voltage	Remark	Net
О.	Generation Station	on Capacity (In MW)	(Based-Solid (Coal, Lignite)/Liquid/Gas/Renewable(bi omass-bagasse)/Others)	Date of signing of PPA	PPA Duration/Expi ry Date (in years/ months/ days)	Grid (intra- state/Inter- state)	of Conne ction (POC) Loss MU	Level (at Input)	s (Source of data)	Energy Supplied (Mus) FY 2024-25
1	GGSSTP, Ropar	840	Coal	Own G	eneration	Intrastate		220 KV	From Concer	4120.83
2	GHTP, Lehra Mohabbat	920	Coal			Intrastate		220 KV	ned	4452.42
3	GATP, Amardas Thermal Power Plant	540	Coal			Intrastate		220 KV		2758.19
4	Shanan	110	Hydro		Intrastate		132 kV		505.84	
5	UBDC	91	Hydro			Intrastate		132 kV		336.74
6	MHP	225	Hydro			Intrastate		132 kV		1307.51
7	ASHP	134	Hydro			Intrastate		132 kV		484.90
8	RSPP	452	Hydro			Intrastate		220 KV		1253.84
9	Mini/Micro Hydel	3	Hydro	26-05-2009	16-04-2041	Intrastate		11 KV		3.35
10	Talwandi	1980	Coal	01.09.2008	24.08.2041	Intrastate		400 KV		10256.84



Details of Input Energy Sources 01.04.2024 To 31.03.2025 Period From A. Generation at Transmission Periphery (Details) Type of Contract S.N Name of Generati Type of Station Generation Type of Point Voltage Remark Net Sabo TPP Rajpura TPP 1400 18.01.2010 09.07.2039 400 KV 9639.06 11 Coal Intrastate 220 KV 2294.33 647 Hydro Own Generation 12 Bhakra Share Interstate 16.03 13 **Dehar Share** 410 4.58 400 KV. 1131.66 Hydro Interstate 220 KV Pong Share Hydro 220 KV 306.84 14 85 Interstate 2.14 22.03.2022 30.08.2046 1.52 242.16 84 Hydro Injected 15 Bairasiul Interstate through 2.52 808.74 23.10.2012 31.03.2030 16 Salal 184 Hydro Interstate ISTS 17 17 Hydro 23.10.2012 31.03.2028 0.17 61.73 Tanakpur Interstate 55 23.10.2012 30.04.2029 0.75 199.36 18 Hydro Chamera-I Interstate 30 0.43 161.97 19 Chamera-II 6.12.2011 30.03.2039 Hydro Interstate Hydro 22.03.2022 03.07.2047 0.23 97.52 20 Chamera-III 18 Interstate 246.84 21 Uri 66 23.10.2012 30.05.2032 1.70 Hydro Interstate 22.03.2022 117.42 Uri-II 20 Hydro 28.02.2049 0.70 22 Interstate 31.10.2040 0.29 23 Dhauliganga 28 Hydro 6.12.2011 134.01 Interstate 32 9.03.2006 06.04.2042 0.74 24 Dulhasti Hydro Interstate 216.37 25 Parbati-III 41 Hydro 22.03.2022 06.06.2049 Interstate 0.12 56.26 SEWA-II 22.03.2022 23.07.2045 0.26 26 10 Hydro Interstate 33.68 0 Hydro 0.00 27.21 27 Kishanganga unallocated unallocated Interstate share share 28 Nathpa 152 Hydro 24.10.2002 18.5.2039 2.30 825.20 Interstate Jhakri(SJVNL 23 Hydro 14.05.2014 0.35 135.89 29 Rampur 6.11.2049 Interstate



Details of Input Energy Sources 01.04.2024 To 31.03.2025 Period From A. Generation at Transmission Periphery (Details) Type of Station Generation Type of Contract S.N Name of Generati Type of Point Voltage Remark Net Tehri(THDC) 77 Hydro 31.07.2003 08.07.2042 2.37 292.82 30 Interstate 25 16.02.2008 31.03.2047 0.76 89.56 Koteshwar(T Hydro 31 Interstate HDC) DVC RTPS 300 Coal 07.11.2006 30.03.2041 18.86 1449.48 Interstate 1&2 DVC -07.11.2006 04.03.2038 33 200 Coal 9.22 946.17 Interstate Durgapur DVC -BTPS 200 07.11.2006 22.02.2042 12.51 1186.67 Coal Interstate 200 14.82 1467.56 35 Singrauli Coal 31.01.1994 31.10.1997 Interstate (In case Rihand-I 110 8.20 762.76 31.01.1994 36 Coal Interstate **PSPCL** continue to receive power, terms and conditions of agreement will continue to operate) Coal 17.09.1998 31.03.2031 8.12 803.03 37 Rihand-II 102 Interstate with amendment signed on 29.09.1998 83 Coal 23.10.2008 26.03.2039 5.05 Rihand - III 624.03 38 Interstate PSPCL has 0.00 39 Anta GPS 0 Gas 31.01.1994 0.00 Interstate



Details of Input Energy Sources Period From 01.04.2024 To 31.03.2025 A. Generation at Transmission Periphery (Details) Type of Station Generation Type of Contract S.N Name of Generati Type of Point Voltage Remark Net Auraiya GPS 31.01.1994 relinguished 0.00 0.00 40 0 Gas Interstate its share from 31.01.1994 0.00 0.00 Dadri NCGPS Gas Interstate Anta, Auraiya and Dadri gas stations in view of PSERC order dated 05.08.2021 in petition no. 28 of 2021 42 Unchahar-I 0 Coal 31.01.1994 Unallocated 0.00 2.61 Interstate Power and shall remain operative till allocation of power by Gol. 60 Coal 29.09.1998 28.02.2025 3.55 319.23 43 Unchahar-II Interstate 44 Unchahar-III 17 Coal 02.11.2002 31.12.2031 1.05 86.76 Interstate 11.69 45 Unchahar-IV Coal 16.12.2011 0.01 0 Unallocated Interstate Power and shall remain operative till allocation of power by Gol.



Details of Input Energy Sources 01.04.2024 To 31.03.2025 Period From A. Generation at Transmission Periphery (Details) Type of Station Generation Type of Contract S.N Name of Generati Type of Point Voltage Remark Net Jhajjar (JV) Coal 06.05.2013 46 0 Unallocated 0.00 56.61 Interstate Power and shall remain operative till allocation of power by Gol. Dadri (Th.)-II 02.11.2002 30.07.2035 0 Coal Interstate 0.03 17.48 48 Koldam HEP 62 Hydro 01.05.2002 17.07.2050 0.71 287.70 Interstate Small Hydro 49 Singrauli 0 unallocated unallocated Interstate 0.00 0.27 SHEP share share 50 1600 Thermal 0.00 385.76 Telangana unallocated unallocated Interstate STPP share share Tanda Stage-Coal 0.00 51 0 unallocated unallocated Interstate 119.57 share share Meja 48 Coal 29.12.2010 29.04.2044 2.83 252.75 52 Interstate 53 Kahal gaon-II 120 Coal 02.11.2002 19.03.2035 9.10 815.97 Interstate (ER) (supplemen tary agreement for capacity enhanceme nt signed on 07.10.2003 NAPP 29.08.2023 27.08.2038 54 51 Nuclear 3.43 409.26 Interstate RAPP-B 6.90 515.25 55 100 Nuclear 29.08.2023 27.08.2038 Interstate RAPP-C 25.08.2023 2.65 56 46 Nuclear 24.08.2038 Interstate 400.18



Details of Input Energy Sources 01.04.2024 To 31.03.2025 Period From A. Generation at Transmission Periphery (Details) Type of Station Generation Type of Contract S.N Name of Generati Type of Point Voltage Remark Net PTC Tala 57 30 Hydro 38986 51713 Interstate 0.00 22.89 137 Pragati-24.09.2008 26.03.2029 1.70 171.21 58 Gas Interstate III(Bawana)C CGT MALANA-2 88 Hydro 38799 55712 149.49 59 Interstate 0.00 (PTC) KARCHAM 200 Hydro 01.09.2006 13.09.2046 2.33 845.95 Interstate (PTC) SASAN Ultra 07.08.2007 27.03.2040 41.01 594 Coal 4200.38 Interstate Mega Project 62 MUNDRA U 519 Coal 22.04.2007 22.03.2038 29.47 2512.88 Interstate MPP 63 Ramagunda 2100 Thermal unallocated unallocated 0.00 23.95 Interstate m STPS: share share Stage-1 & 2 Ramagunda 500 Thermal 0.00 7.45 64 unallocated unallocated Interstate m STPS: share share Stage-3 2000 Talcher **Thermal** unallocated unallocated Interstate 0.00 14.15 STPS: Stageshare share Simhadri 1000 Thermal 5.98 66 unallocated unallocated Interstate 0.00 :Stage-2 share share Kudgi STPS 2400 unallocated 0.00 26.01 67 **Thermal** unallocated Interstate share share Vallur TPS 0.00 13.55 1500 Thermal 68 unallocated unallocated Interstate share share NLC TPS-II: 580 4.46 **Thermal** unallocated unallocated Interstate 0.00

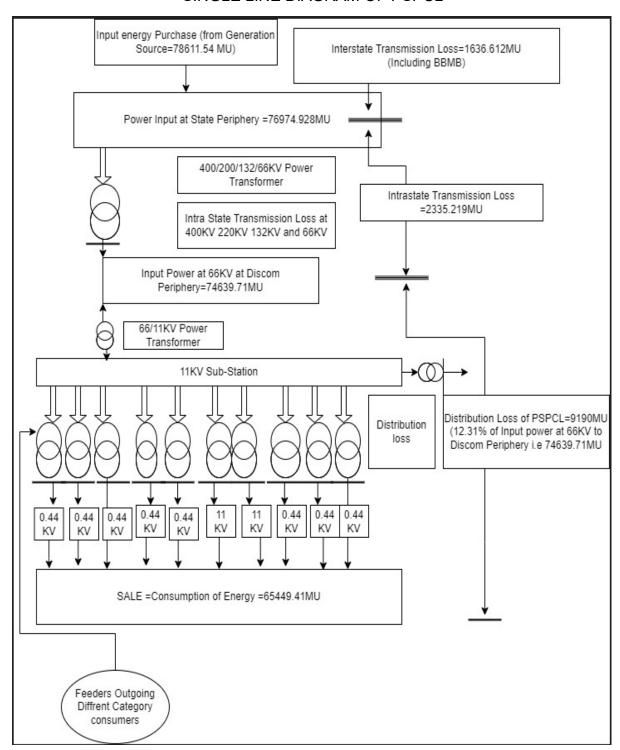


Details of Input Energy Sources Period From 01.04.2024 To 31.03.2025 A. Generation at Transmission Periphery (Details) Type of Station Generation Type of Contract S.N Name of Generati Type of Point Voltage Remark Net Stage-1 share share NLC TPS-II: 790 unallocated 7.31 70 **Thermal** unallocated 0.00 Interstate Stage-2 share share NLC TPS-I: 0.00 9.37 420 Thermal unallocated unallocated Interstate Expansion share share NLC TPS-II: Thermal 2.33 500 unallocated unallocated Interstate 0.00 Expansion share share NNTPS 0.71 934 **Thermal** 0.00 unallocated unallocated Interstate share share NTPL: 1000 Thermal 74 unallocated unallocated Interstate 0.00 14.16 Tuticorin share share NPCIL MAPS 440 Nuclear unallocated 0.00 1.38 unallocated Interstate Kalpakam share share NPCIL 440 0.00 10.82 76 Nuclear unallocated unallocated Interstate KAIGA GS: share share Stage-1 & 2 12.15 NPCIL 440 Nuclear unallocated unallocated Interstate 0.00 KAIGA GS: share share Stage-3 & 4 78 1000 Nuclear 0.00 8.99 **NPCIL** unallocated unallocated Interstate **KKNNP** share share



4.2.2 Power Flow chart of PSPCL Network

SINGLE LINE DIAGRAM OF PSPCL



Single Line Diagram (SLD) of PSPCL

The SLD shows energy flow from purchase (78,611.54 MU) through interstate and intra-state losses, resulting in 74,639.71 MU input at the DISCOM periphery. Power is stepped down via 66/11kV transformers to 11kV substations, where distribution losses of 9,190 MU (12.31%) occur. The net energy sold to consumers is 65,449.41 MU, delivered through 66KV, 11kV and 0.440kV feeders to various categories of consumers.





4.2.3 Summary of Input Energy

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

Form Input operay (Details of Input operay 8 Infrastructure)								
Form-Input energy (Details of Input energy & Infrastructure)								
	A. Summary of energy	input & Infrastru	ıcture					
S.No	Parameters	Period From 01.04.2024 To 31.03.2025	Remarks (Source of data)					
A.1	Input Energy purchased (MU)	78611.54	Historical Data					
A.2	Transmission loss (%)	5.05%	Inter State. Inc. BBMB+Intra state transmission losses					
A.3	Transmission loss (MU)	3971.83	1636.612+2335.219 (Inter State. Inc. BBMB+Intra state) =3971.832					
A.4	Energy sold outside the periphery (MU)	-827.63	(Energy Schedule) sheet SR. NO. 13.2+14+15+16+17					
A.5	Open access sale (MU)	10.283	Railway					
A.6	EHT sale							
A.7	Net input energy (received at DISCOM periphery or at distribution point)-(MU)	74639.71						
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	4.51%	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	87.43%	Planning					
A.12	No of feeders at 66kV and> voltage level	181	Link provided by Director/D office					
A.13	No of feeders at 33kV voltage level	4	Link provided by Director/D office					
A.14	No of feeders at 11kV voltage level	13473	Link provided by Director/D office					
A.15	No of LT feeders' level							
A.16	Line length (ckt. km) at 66kV voltage level	11765.54	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	263913	Planning					
A.19	Line length (km) at LT level	156484	Planning					
A.20	Length of Aerial Bunched Cables	2760.43	Zones					
A.21	Length of Underground Cables	449.55	Zones					
A.22	HT/LT ratio	1.69						

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 Interstate 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

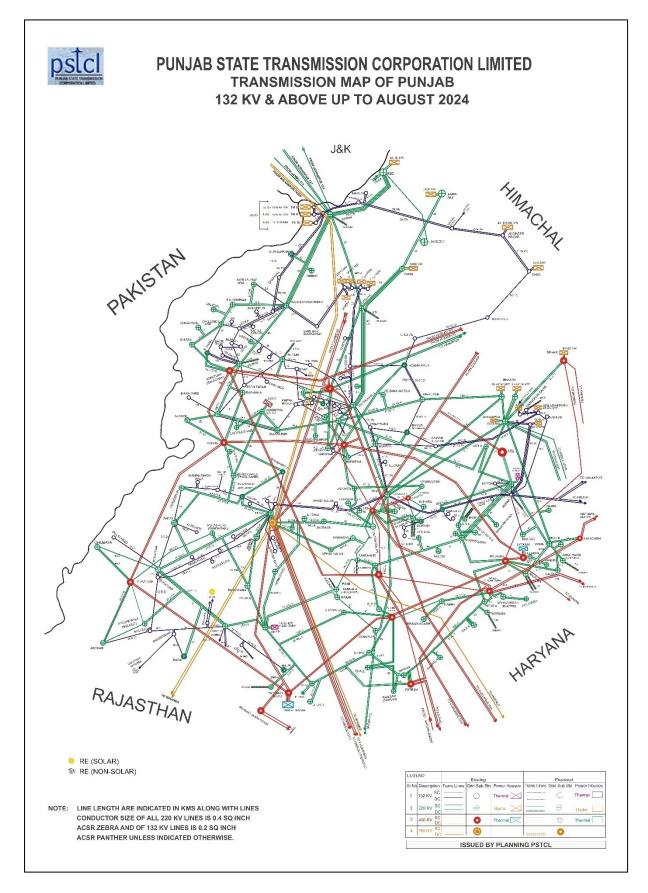
clause (10) of these regulations, transmission losses for ISTS shall be calculated on all India average basis for each week, from Monday to Sunday.

All India transmission loss would be based upon the average loss computed from the SEM (Special Energy Meter) 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 $[(17435.78-16881.88)/(17435.78-1224.03)] \times 100 = 3.42 \%$
- e. All figures are rounded off up to 2 decimal places.



4.2.4 TRANSMISSION MAP OF PUNJAB 132 KV & ABOVE





5 Quarterly Segregation of Discom Energy

5.1.1 Quarterly Performa review submitted to BEE

Table 10: Variance in Quarterly and Annual Performa

Variance in Quarterly and Annual Performa								
Particulars	Q1	Q2	Q3	Q4	Annual via sum	Annual Performa	Varianc e	Remarks
Input Energy purchased (MU)	20685.49	28419.06	15348.99	14186.84	78640.38	78611	27.38	Slight Inc of 29.38MU But in Acceptable Limit
Transmission loss (%)	5.18%	5.02%	5.18%	4.98%	5.09%	5.05%	0.04	Minor
Transmission loss (MU)	1071.48	1426.32	795.8	707.08	4000.68	3971	27.67	Minor Increase 29.68 No major Concern
Net input energy (received at DISCOM periphery or at distribution point)- (MU)	19614.01	26992.75	14553.19	13479.76	74639.71	74639.71	0	ACCURATE
Billing Energy	15747.73	24097.21	13859.43	11745.04	65449.41	65449.41	0	ACCURATE
T & D Losses	19.71%	10.73%	4.77%	12.87%	12.02%	12.31%	-0.29%	Slight Reduction
Billed Amount	10572.96	16943.6	11019.22	8755	47290.78	47290.92	-0.14	
Collected Amount	11230.22	12417.61	9629.15	10134.57	43411.55	43411.54	0	ACCURATE
Collection Efficiency	106.00%	73.24%	87.39%	115.76%	95.60%	92	3.60%	Increase of 3.60%
A T &C Losses	14.72%	34.57%	16.78%	-0.86%	16.30%	19.51%	-2.91%	Decrease of 2.91%

OBSERVATIONS:

The quarterly and annual performance data show overall accuracy and consistency across all parameters. The variance in input energy purchased (27.38 MU) and transmission loss (27.67 MU) is minor and within acceptable limits. Net input energy and billing energy figures are perfectly aligned with zero variance, while T&D losses show a slight reduction of 0.29%, indicating improved system efficiency. The billed and collected amounts are accurate, with negligible variance (-0.14 Cr.), and collection efficiency has improved by 3.60%, reflecting better revenue realization. Additionally, AT&C losses have decreased by 2.91%, marking a positive trend in operational performance. Overall, the data reflects sound financial and technical management with no major concerns.



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

Table 11: 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	13658	Director/D Reports link
Number of DTs	1250538	Director/D Reports link
Number of Consumers	11008964	CE/Planning

5.1.3 Circle Wise Losses for Different Category

Table 12: Circle Wise Losses

	Circle Wise Energy and Loss Details									
S.N o	N Year (20 25)									
	Name of circle	Input energy (MU)	Billed energy (MU)	T&D loss (MU)	T&D loss (%)					
1	Barnala	3524.56719	3007.31	517.2549	14.68%					
2	Bathinda	6424.4495	5518.42	906.0278	14.10%					
3	City Amritasar	1123.84838	951.48	172.3734	15.34%					
4	Faridkot	3685.1051	3045.79	639.3107	17.35%					
5	Gurdaspur	2982.5755	2551.37	431.2047	14.46%					
6	Hoshiarpur	2797.49624	2656.92	140.5768	5.03%					
7	Firozpur	2673.70697	1789.23	884.477	33.08%					
8	Jalandhar	3748.85547	3488.96	259.8961	6.93%					
9	Kapurthala	2305.70046	2021.39	284.312	12.33%					
10	Khanna	7036.58442	6787.16	249.4289	3.54%					
11	Mohali	4170.73911	4050.92	119.8178	2.87%					
12	Nawanshahar	1739.43205	1562.47	176.9664	10.17%					
13	Patiala	4691.05385	4165.65	525.4033	11.20%					
14	Ropar	4551.10106	4387.25	163.8551	3.60%					
15	Sangrur	3530.78694	2858.74	672.047	19.03%					
16	Sri Muktsar Sahib	2785.22957	2124.35	660.8779	23.73%					
17	Suburban, Amritsar	3419.18661	2454.52	964.6672	28.21%					
18	Tarantaran	2830.45278	1804.6	1025.849	36.24%					
19	Ludhiana East	3881.85576	3830.68	51.17471	1.32%					
20	Ludhiana West	4386.02866	4093.07	292.9559	6.68%					
21	Ludhiana Suburban	2350.95758	2136.57	214.387	9.12%					



OBSERVATIONS:

The analysis of circle-wise energy performance for FY 2024-25 reveals significant variation in T&D losses across circles. Circles like Tarantaran (36.24%), Firozpur (33.08%), and Suburban Amritsar (28.21%) exhibit high T&D losses, indicating urgent need for network strengthening, metering improvements, and loss reduction measures. Conversely, Ludhiana East (1.32%), Mohali (2.87%), Khanna (3.54%), and Ropar (3.60%) demonstrate strong performance with low T&D losses, reflecting efficient infrastructure and good operational management. Medium-range losses (10-20%) are observed in circles such as Faridkot, Sangrur, Patiala, and Nawanshahar, suggesting scope for targeted improvement. The wide disparity in circle-wise losses highlights the need for focused interventions in high-loss practices circles while maintaining best in low-loss performing circles.



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	13658	13658	1450	Director/D Reports link					
V	Number of DTs	1249085+(1450+3) 66kv,33kv =1250538	1250538	12610	Director/D Reports link					
vi	Number of consumers	11008964	11008964	11008964	CE/Planning					
2	Parameters	66kV and above	33kV 11/22kV		LT					
a. i.	Number of conventional metered consumers	42	0 67711		8139501					
ii	Number of consumers with 'smart' meters	11	0	31588	1348995					
iii	Number of consumers with 'smart prepaid' meters	0	0	0	0					
iv	Number of consumers with 'AMR' meters	182	3	33640	3463					
V	Number of consumers with 'non- smart prepaid' meters	0	0	0	0					
vi	Number of unmetered consumers	0	0	0	1383828					
vii	Number of total consumers	235	3	132939	10875787					



b.i.	Number of conventionally metered Distribution Transformers	0	0	24174	4499	
ii	Number of DTs with communicable meters	1450	3	22908	3122	
iii	Number of unmetered DTs	0	0	832938	361444	
iv	Number of total Transformers	1450	3	880020	369065	
c.i.	Number of metered feeders	181	4	13473	0	
ii	Number of feeders with communicable meters	164	4	9438	0	
iii	Number of unmetered feeders	0	0	0	0	
iv	Number of total feeders	181	4	13473	0	
d.	Line length (ct km)	11765 km	50.7 +23(Idle)=73.7	263913	156484	
e.	Length of Aerial Bunched Cables	0	0	1152.964	1607.467	
f.	Length of Underground Cables	37.48	0	372.794	39.270	
3	Voltage level	Particulars	MU	Reference	Remarks (Source of data)	
i	66kV and above (Inter-State)	Long-Term Conventional	27744.35	Includes input energy for franchisees		
		Medium Conventional (unscheduled interchange)	-1115.38		value of unscheduled interchange energy is entered as the provision of the same has not provided in the performa	
		Short Term Conventional	10918.27			
		Banking	671.50			
		Long-Term Renewable energy	3505.98			
		Medium and Short-Term RE	0.00	Includes power from bilateral/ PX/		



				DEEP	
				DEEP	
		Out the second second		Δ	
		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	-827.63	ioi iranchisee.	
		Quantum of inter-state transmission	1636.61	As confirmed by	
		loss		SLDC, RLDC etc	
		Power procured from inter-state	40897.09	Based on data	
		sources		from Form 5	
		Power at state transmission boundary	39260.48		
ii	66kV and above (Intra-State)	Long-Term Conventional	35103.82		Power procured from intra
					state sources at different
		Medium Conventional	NA		voltage levels
		Short Term Conventional	NA		
		Banking	NA		
		Long-Term Renewable energy	2326.42		NRSE power procured from
					intra state sources at 66KV and above
		Medium and Short-Term RE			and above
		Captive, open access input			
		Sale of surplus power			
		Quantum of intra-state transmission	2335.219		
		loss	2000.210		



		Power procured from intra-state sources	37430.24		PSTCL
iii		Input in DISCOM wires network	M wires network 74355.49		
iv	33 kV	Renewable Energy Procurement	17.36		
		Small capacity conventional/ biomass/ hydro plants Procurement	0.00		
		Captive, open access input	0.00		
V	11 kV	Renewable Energy Procurement	266.85		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	131.37		Roof Top Solar Energy
		Sales Migration Input	-131.37		
vii	Energy Embedded within DISCOM wires network	Energy Embedded within DISCOM wires network	284.22		
viii	Total Energy Available/ Input	Total Energy Available/ Input	74639.71		
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	0.00	Demand from embedded generation at LT	



				level	
		Sale at 11KV/LT level	0.00		Voltage wise Sale not available
		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	65449.41	Include sales to consumers in franchisee areas, unmetered consumers	Planning sale
		Demand from open access, captive	10.283	Non DISCOM's sales	
		Embedded generation at 66 kV or below level	415.59	This is DISCOM and OA demand met via energy generated at same voltage level	
		Sales at 66 kV level	65459.69		Planning sale Railway OA



		Quantum of Losses at 66 kV>	9180.02	(interstate, Inc. BBMB+Intra state+ DISCOM)	
		Energy input at 66kV Level	74639.71	,	
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	3981.98		Inter+Intra
		Sales at 66kV and above (EHV)	3981.98		Inter+Intra
	Total Energy R	Requirement	78611.41		
	Total Energ	gy Sales	65449.41		
		Energy Accounting Su	•		
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	74639.71	65449.41	9190.30	12.31%
6	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 Estima	ation for DISCOM				
	T&D loss	13,162.00				
	D loss	9,190.17				
	T&D loss (%)	16.74%				
	D loss (%)	12.31%	(D losses/(Total Energy Requirement-Interstate transmission losses intra state transmission losses)			

NOTE: D Losses 12.31 % are calculated by Net input energy (At DISCOM Periphery after adjusting the transmission losses and energy traded) i.e 78611.54-1636.61-2335.22= 74639.71 MU basis.



6 Consumer category, Subsidy, RPO and other compliance details





6.1 Provision of Subsidy

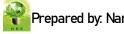
Government of Punjab has notified subsidy for agriculture sector and other deprived section of the society and poor people of general category in the following manner. (Reference from Annexure – 14 (Notification of Government for subsidy)

Sr No.	Category	Provision of subsidy/Payment						
1	Agriculture Sector	100%						
2	Schedule Cast (SC), Non –SC BPL, 300units monthly							
	Backward Class (B0	C)and freedom fighter domestic consumers						
2.a.	Excessover300Limit	Limit/Month as per applicable slab of tariff with full fixed charge and meter rental.						
2.b.	Subsidy payment co	onditions Up to 300unit/month for all kind of use.						
3	General Category	(another domestic 300unit/month						
	consumers)							
3.a.	Subsidy Condition	For residential use only with full fixed charge and meter rent.						
3.b.	In excess over300u	nit/month Liable to pay for entire consumption as per Applicable slab of tariff along with fixed charges, Meter Rentals and Government Levies.						
4	All domestic o	consumers having Rs3/Unit(including taxes)						
	Sanctioned Load up	to 7 KW						
5		acturing and LT&ITES Subsidized Tariff Rs 5.50 per Kwh with 3% and industrial parks and escalation.						
	amusement parks	s/Adventure parks						
	developed in minimu Tourism.	um area of acres dully registered with Department of						
6	Small scale industries	Charged at subsidized rate of Rs 5.5/Kwh with 3% annual increment and full waiver of fixed charges.						
7		alation and 50 % waiver IN fixed charges.						
8	Large supply industr 3% annual escalation	on.						
9	Central/State/PSUs/	/PSPCL/PSTCL/BBMB No subsidy allowed.						
	Offices and Governi	ment water supply connections under industrial category(SP/MS/LS)						

During FY 2024–25, PSPCL provided subsidized power to Residential, Agriculture, and Commercial/Industrial-LT categories, with total subsidy billed at ₹20,799.16 crore. Against this, the State Government has released ₹16,892.16 crore, leaving an outstanding balance of ₹3,907 crore to be received.

Brief about Subsidy Details of PSPCL (FY 2024–25)

During FY 2024–25, PSPCL provided subsidized electricity to multiple consumer categories, including Residential, Agriculture, and Commercial/Industrial-LT segments. The total billed energy during the year was 65449.41 million units (kWh).





The total subsidy due from the State Government for the year amounts to ₹20,799.16 crore. Against this, ₹16,892.16 crore has been released by the Government of Punjab as of the reporting date. The balance subsidy yet to be received stands at ₹3,907 crore.

Category-wise highlights:

Residential Consumers: Subsidy of ₹8,284.57 crore billed, of which ₹6,223.70 crore has been received, leaving a balance of ₹2,060.87 crore.

Agriculture Sector: Subsidy of ₹9,977.32 crore billed, ₹8,491.47 crore received, balance ₹1,485.85 crore.

Commercial/Industrial LT: Subsidy of ₹2,537.27 crore billed, ₹2,176.99 crore received, balance ₹360.28 crore.

PSPCL continues to maintain transparency in subsidy accounting and has complied with all required reporting to the State Government and regulatory bodies for PAT Cycle VII and UDAY monitoring. The reconciliation of the outstanding balance is in progress with the Government of Punjab.



Table 14: Subsidy Details of PSPCL for FY 2024-25

Consumer Category	Metered Billed Energy (kWh)	Unmetere d Billed Energy (kWh)	Total Billed Energy (kWh)	Subsidized Metered Energy (kWh)	Subsidized Unmetere d Energy (kWh)	Total Subsidized Energy (kWh)	Applicable Rate of Subsidy	Unmete red Energy Rate	Subsidy Due Metered (Rs. Cr.)	Subsidy Due Unmetere d (Rs. Cr.)	Total Subsidy Due (Rs. Cr.)	Subsidy Claime d (Rs. Cr.)	Subsidy Receive d (Rs. Cr.)	Balanc e Subsidy (Rs. Cr.)
Residential	201249798 60.00	-	2012497 9860.00	16566220 911	-	16566220 911	Rs. 2.50 to Rs. 7.15 per KWh	-	8284.57	-	8284.57	8284.57	6223.70	2060.8 7
Agriculture	125467000 0.00	14841556 297.17	1496702 3297.17	12548000 0	14817730 000	14943210 000	Rs.6.55 per KW upto 15.06.2024 & from 16.06.2024 at the rate 6.70 per KW	-	83.69	9893.62	9977.31	9977.32	8491.47	1485.8 5
Commercial/ Industrial-LT	292252579 60.00	-	2922525 7960.00	24643613 529	-	24643613 529	Rs 0.15 to 1.37 per KVA	-	2537.27	-	2537.27	2537.27	2176.99	360.28
Commercial/ Industrial-HT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other (Specify) WW	876588882. 83	-	1132148 882.80	-	-	-	-	-	-	-	-	-	-	-
Total	503522937 02.83	14841556 297.17	6544941 0000.00	41335314 440	14817730 000	56153044 440	-	-	10905.53	9893.62	20799.1 5	20799.1 6	16892.1 6	3907.0 0



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 read the energy consumption/download consumption and observe the functioning of meters. They report about the meters to the department looking after metering. Meter is 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.

Few samples are attached in Annexure

6.2 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 2022-23 and 2023-24 to FY 2024-25.

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.



6.3 Energy Conservation Measures Accomplished

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

The detailed component-wise physical progress, including sanctioned, awarded, and executed quantities, is presented in the table below.

Table 15: Energy Efficiency Project implemented during (2021-22 to 2024-25)

		Energy Efficiency F	roject implemer	nted during (2021-2	22 to 2024-25)		
S.No.	Implemented						A
	Project	Year of Implement action	Annual Energy Savings in Lakh KWH	Annual Energy Saving in toe*	Annual Energy Consumption (before) in Lakh KWH	Investment (in Crores)	Remarks
1	In FY 2021-22, 31057 meters were shifted outside consumer premises enabling enhanced monitoring and increasing consumer awareness. This strategic relocation of meters led to a reduction in electricity theft and increasing billing.	2021-22	90.7	779.880	108.84	15.53 Cr. (While considering the investment of @ Rs. 5000/- per meter for shifting outside consumer premises)	Assuming Saving of 100 Watt per household. While considering 8 hours of consumption per day, the total saving from 31061 household is 90.70 LUs.
2	As Part of DSM & Energy efficiency initiatives, PSPCL has successfully installed 46657 no. of Smart meters across various consumer categories.	2021-22	83.98	722.120	2799.42		Assuming Avg 6000 Kwh/year per smart meter and 3% saving from improved metering accuracy & theft detection.



	Energy Efficiency Project implemented during (2021-22 to 2024-25)								
S.No.	Implemented						A		
	Project	Year of Implement action	Annual Energy Savings in Lakh KWH	Annual Energy Saving in toe*	Annual Energy Consumption (before) in Lakh KWH	Investment (in Crores)	Remarks		
3	Distribution of 1175545 No. of 9W LEDs among consumers of SC, BC, BPL categories under KLBY Scheme & further extended to General categories.	2021-22	1750.62	15052.623	2059.55	7.071 Cr	Energy consumption is calculated by considering 8 hrs per day for 365 days of working of lights.		
4	In FY 2022-23, 44958 meters were shifted outside consumer premises enabling enhanced monitoring and increasing consumer awareness. This strategic relocation of meters led to a reduction in electricity theft and increasing billing.	2022-23	131.28	1128.805	157.53	22.47 Cr. (While considering the investment of @ Rs. 5000/- per meter for shifting outside consumer premises)	Assuming Saving of 100 Watt per household. While considering 8 hours of consumption per day, the total saving from 44958 household is 131.28 LUs.		
5	As Part of DSM & Energy efficiency initiatives, PSPCL has successfully installed 45252 no. of Smart meters across various consumer categories.	2022-23	81.45	700.375	2715.12		Assuming Avg 6000 Kwh/year per smart meter and 3% saving from improved metering accuracy & theft detection.		
6	Energy Efficient (Level 2 efficiency) transformers	2022-23	1.78	15.305		Rs. 2.4 Cr.			



		Energy Efficiency	Project implemer	nted during (2021-2	22 to 2024-25)		
S.No.	Implemented						A
	Project	Year of Implement action	Annual Energy Savings in Lakh KWH	Annual Energy Saving in toe*	Annual Energy Consumption (before) in Lakh KWH	Investment (in Crores)	Remarks
	installed.						
7	Replacement of Flood Lights into LED Lights at Nakkian Power House.	2022-23	0.87	7.481		Rs. 0.03 Cr.	
8	In FY 2023-24, 8968 meters were shifted outside consumer premises enabling enhanced monitoring and increasing consumer awareness. This strategic relocation of meters led to a reduction in electricity theft and increasing billing.	2023-24	26.19	225.193	31.42	4.48 Cr. (While considering the investment of @ Rs. 5000/- per meter for shifting outside consumer premises)	Assuming Saving of 100 Watt per household. While considering 8 hours of consumption per day, the total saving from 8968 household is 26.19 LUs.
9	As Part of DSM & Energy efficiency initiatives, PSPCL has successfully installed 530530 no. of Smart meters across various consumer categories.	2023-24	954.95	8211.092	31831.8		Assuming Avg 6000 Kwh/year per smart meter and 3% saving from improved metering accuracy & theft detection.



	Energy Efficiency Project implemented during (2021-22 to 2024-25)								
S.No.	Implemented						A		
	Project	Year of Implement action	Annual Energy Savings in Lakh KWH	Annual Energy Saving in toe*	Annual Energy Consumption (before) in Lakh KWH	Investment (in Crores)	Remarks		
10	Replacement of all types of 810 Nos tube lights below 100W with 18W high efficiency LED tube lights, 210 nos. conventional 125 W tubes with 210 nos 30 W LED Lights, 35 Nos 250 W flood light with 35 nos. flood light 50 W, 40 no. (30 no 400 W & 10 no. parking light 100 W) replaced with 30 no. flood light 100 W and 10 no. parking light 100 W and 10 no. parking light 20 W, 200 nos 40 W conventional tubes replaced with 20 W LED tubes, 30 nos. 70-watt sodium vapor lamps have been replaced with 30 nos. 30W LED Street lights & 18 nos. 250-watt sodium/mercury lights have been replaced with 18 no. 100W LED Flood lights.	2023-24	3.241	27.868	4.19	0.121	All lights installed under Power House at RSD Sahpurkandi, ASHP PH-II,Nakkian,Shanan Powerhouse Joginder Nagar., UBDC Hydel Project Malikpur.		



		Energy Efficiency I	Project implemer	nted during (2021-2	22 to 2024-25)		
S.No.	Implemented						A
	Project	Year of Implement action	Annual Energy Savings in Lakh KWH	Annual Energy Saving in toe*	Annual Energy Consumption (before) in Lakh KWH	Investment (in Crores)	Remarks
11	In FY 2024-25, 4059 meters were shifted outside consumer premises enabling enhanced monitoring and increasing consumer awareness. This strategic relocation of meters led to a reduction in electricity theft and increasing billing.	2024-25	11.85	101.892	14.222736	2.02 Cr. (While considering the investment of @ Rs. 5000/- per meter for shifting outside consumer premises)	Assuming Saving of 100 Watt per household. While considering 8 hours of consumption per day, the total saving from 4059 household is 11.85 LUs.
12	As Part of DSM & Energy efficiency initiatives, PSPCL has successfully installed 745058 no. of Smart meters across various consumer categories.	2024-25	1341.10	11531.384	44703.48		Assuming Avg 6000 Kwh/year per smart meter and 3% saving from improved metering accuracy & theft detection.
	Total	From 2021-22 to 2024 -25	4478.011	38503.96			



6.4 Energy Conservation Measures Recommended by Auditor

S. No.	Energy Conservation Measure	Description
1	Implementation of Advanced Distribution Management System (ADMS)	Integrating ADMS to enable real-time monitoring, fault detection, load forecasting, and automated switching operations to optimize power flow and reduce losses.
2	Time-of-Day (ToD) Based Tariff Rollout	Encouraging consumers to shift consumption to off-peak hours by introducing differential pricing, which reduces peak load stress and overall system losses.
3	Deployment of Al/ML for Loss Analytics	Using Artificial Intelligence and Machine Learning to detect energy theft, predict demand patterns, and optimize load balancing in feeder and DT-level monitoring.
4	Upgradation to Energy-Efficient Distribution Transformers (Star Rated)	Phasing out old transformers and replacing them with BIS 5-Star rated transformers to reduce core and copper losses significantly.
5	Consumer Awareness and Behavioural Energy Efficiency Programs	Conducting (Information, Education, and Communication) IEC campaigns, energy conservation drives, and mobile-app-based consumption insights to empower end-users to adopt efficient practices.
6	SCADA Expansion to All Urban Substations	Extending SCADA systems across urban and semi-urban substations for remote monitoring and faster fault diagnosis, enhancing system reliability and reducing outage losses.
7	Integration of Rooftop Solar with Net Metering & Virtual Net Metering	Promoting decentralized renewable energy generation to reduce grid demand, especially during peak hours, and support RPO/RCO compliance.
8	Smart Metering and GIS Integration	Implementing smart metering across all HT and high-load LT consumers, integrating with GIS for real-time monitoring of energy usage, loss detection, and enhanced asset management.
9	Battery Energy Storage Systems (BESS) at Substations	Installing BESS in select substations to manage peak loads, frequency stabilization, and reactive power support for grid efficiency.
10	Dynamic Voltage Optimization (DVO) at Consumer End	Deploying voltage regulation technologies at distribution transformers to maintain optimal voltage levels, thereby reducing energy wastage at consumer premises.



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.

FIELD MEASUREMENT 1:

Field Measurement Summary of 66/11 kV Shakti Vihar Substation

Field measurements were conducted at the 66/11 kV Shakti Vihar Substation, which plays a key role in the power distribution network of the area. The primary input to the Shakti Vihar Substation is supplied at 220/66 kV level from two major upstream substations — Pasiyana and Ablowal. This dual sourcing ensures reliability and stability in power supply to the Shakti Vihar network.

For this field assessment, the measurements focused on the 11 kV side of the substation. Specifically, the evaluation was performed at the feeder output level, capturing the actual energy flow just before distribution to end consumers. The objective was to assess feeder-level performance and identify potential energy losses occurring after transformation at the substation.

Two 11 kV outgoing feeders were selected for detailed analysis:

- 1. 11 kV Santnagar Outgoing Feeder
- 2. 11 kV Raja Enclave Outgoing Feeder

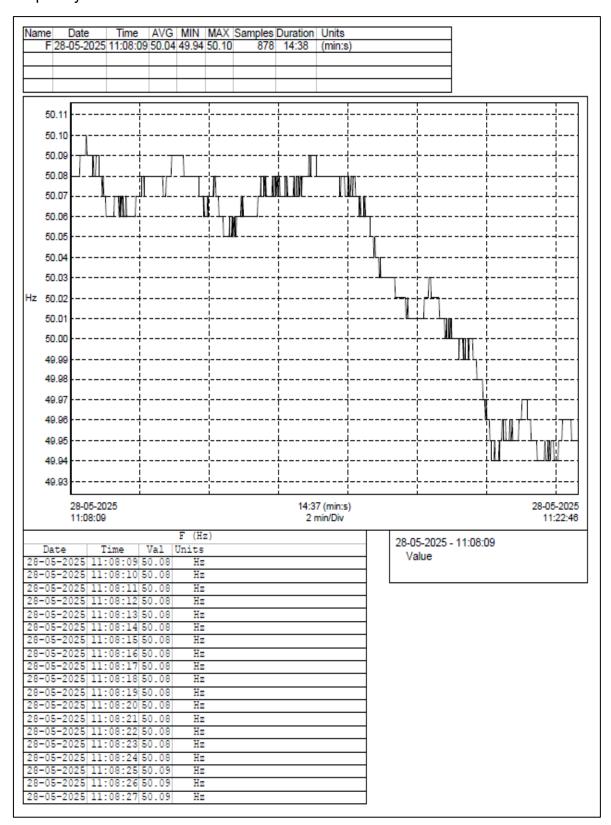
These feeders distribute power directly into residential and commercial zones, ensuring supply to the public in their respective areas.

By capturing accurate field data on these feeders, insights into feeder performance, load profiles, and distribution losses can be derived. The findings from these field measurements are crucial for optimizing network performance, improving energy efficiency, and supporting future infrastructure planning



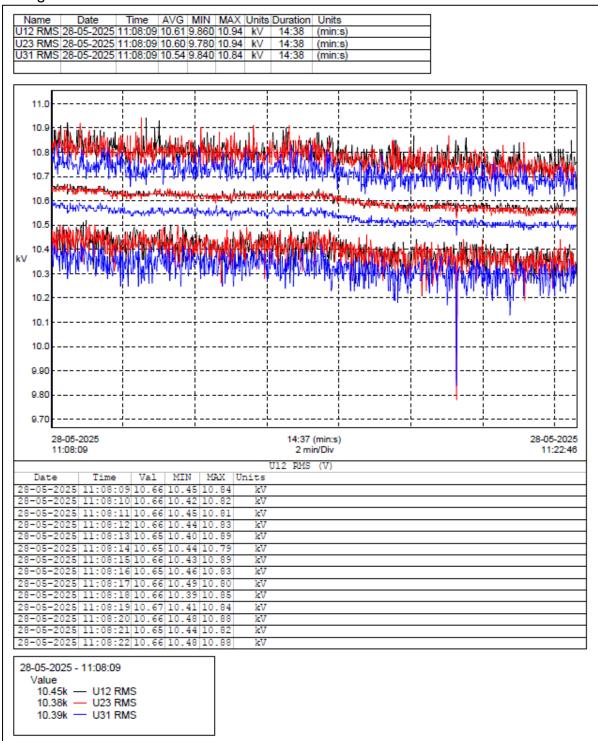
7.1 11KV SANTNAGAR OUTGOING FEEDER

Frequency:



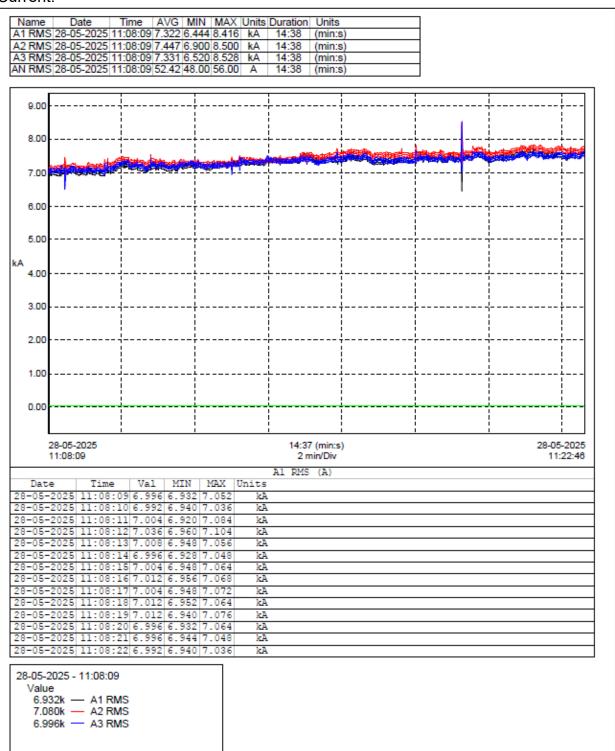


Voltage:





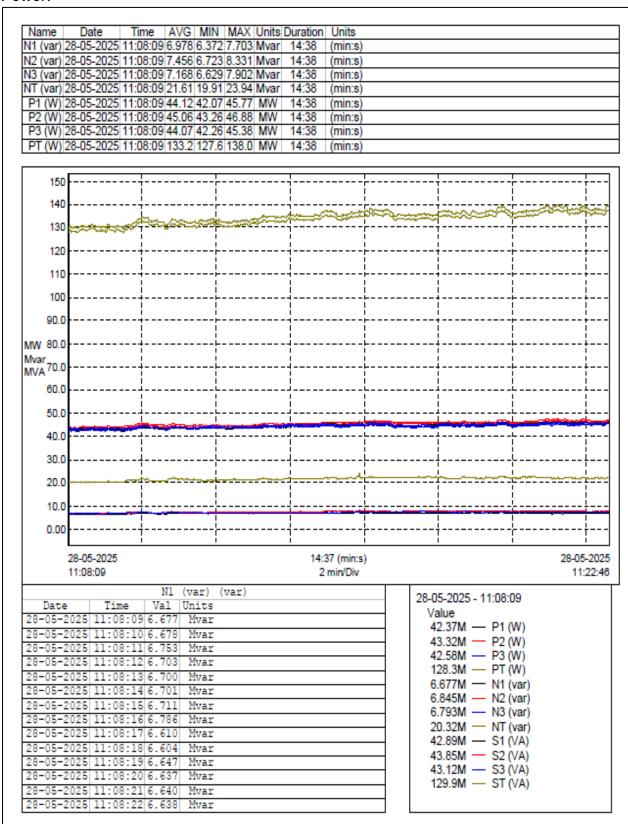
Current:







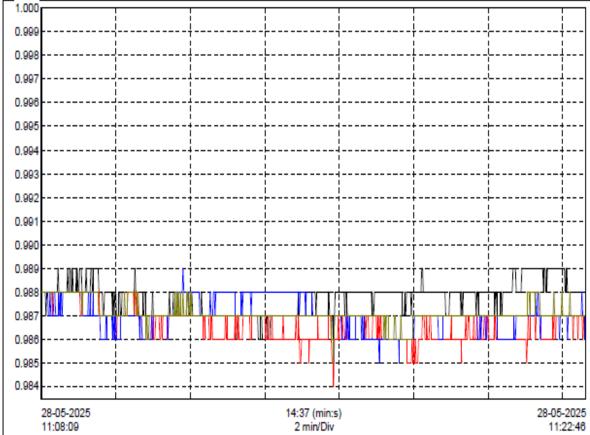
Power:





Power Factor:

Name	Date	Time				Duration	Units
PF1	28-05-2025	11:08:09	0.988	0.986	0.989	14:38	(min:s)
	28-05-2025					14:38	(min:s)
	28-05-2025					14:38	(min:s)
PFT	28-05-2025	11:08:09	0.987	0.985	0.988	14:38	(min:s)



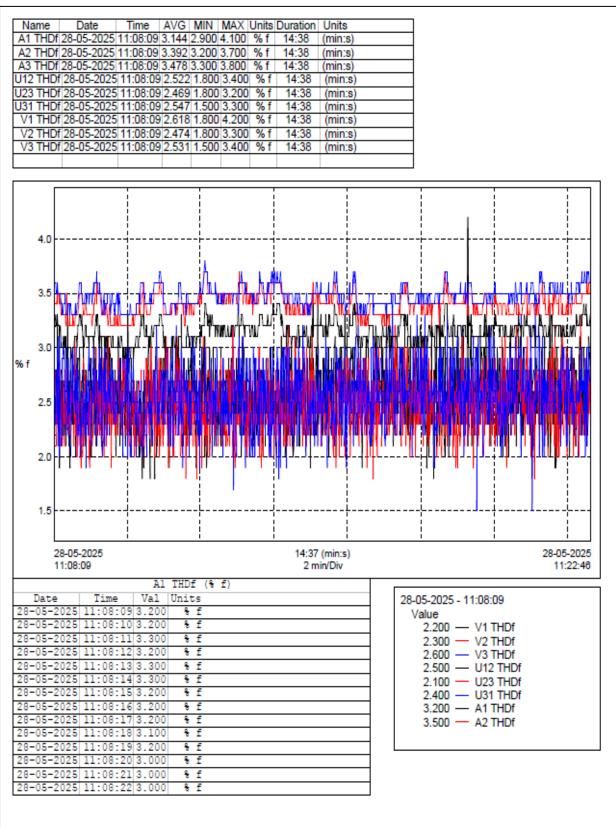
			PF1 ()
Date	Time	Val	Units
28-05-2025	11:08:09	0.988	
28-05-2025	11:08:10	0.988	
28-05-2025	11:08:11	0.988	
28-05-2025	11:08:12	0.988	
28-05-2025	11:08:13	0.988	
28-05-2025	11:08:14	0.988	
28-05-2025	11:08:15	0.988	
28-05-2025	11:08:16	0.987	
28-05-2025	11:08:17	0.988	
28-05-2025	11:08:18	0.988	
28-05-2025	11:08:19	0.988	
28-05-2025	11:08:20	0.988	
28-05-2025	11:08:21	0.988	
28-05-2025	11:08:22	0.988	

Value
0.988 — PF1
0.988 — PF2
0.988 — PF3
0.988 — PFT

28-05-2025 - 11:08:09



THD:





Observation:

Power Profile:

- Total active power (PT) is approximately 129.9 MW, with individual phases P1, P2, and P3 contributing 42–43 MW each, indicating balanced load.
- Total reactive power (NT) is around 20.32 MVAR, with phase-wise contributions of 6.68–7.45 MVAR.
- Apparent power (ST) is approximately 129.9 MVA, showing minimal reactive power draw relative to active power.

Power Factor:

• Power Factor ranges between 0.985–0.989, indicating excellent power factor (>0.95) across all three phases. It means system is operating efficiently.

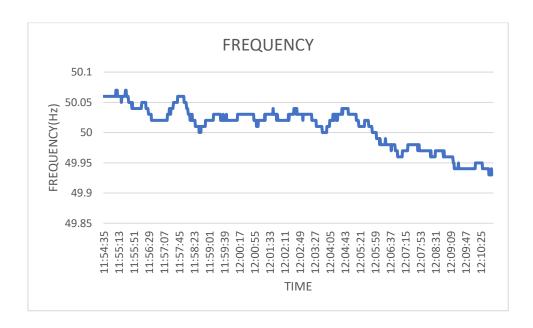
Total Harmonic Distortion:

- Voltage THD values are well within IEEE 519 limits of 5%.
- Current THD values are within acceptable limits, though on the higher side.

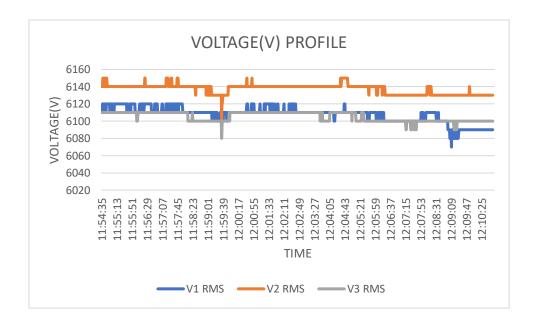


7.2 11KV RAJA ENCLAVE OUTGOING FEEDER

Frequency:

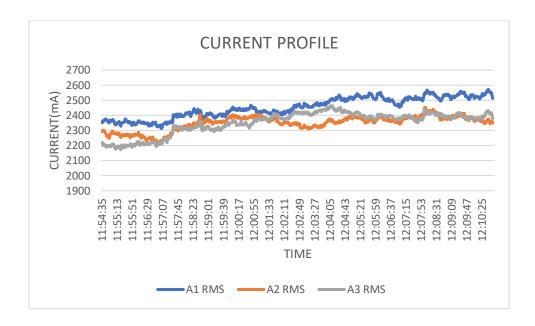


Voltage:

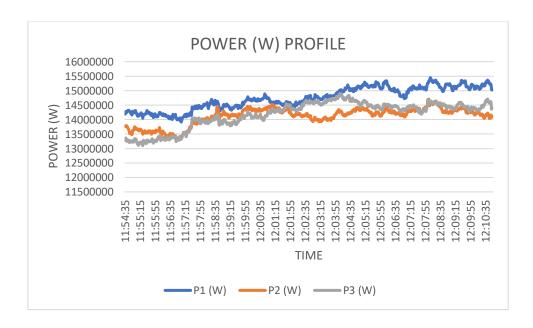




Current:

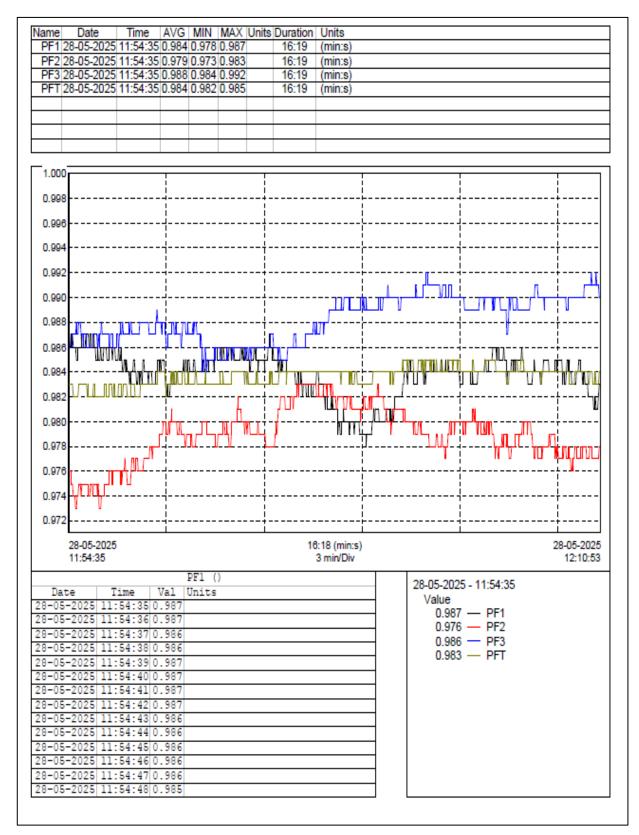


Power:



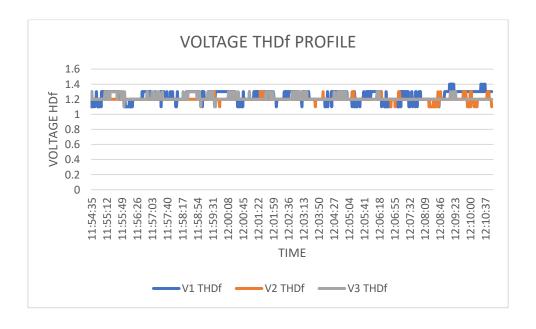


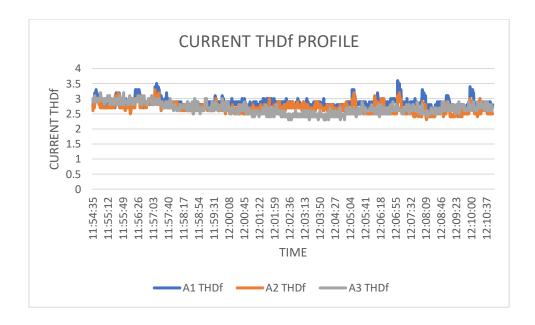
Power Factor:





THDf:







Observation:

Power Profile:

- P1, P2, P3 show relatively stable power delivery between 13 MW to 15.5 MW per phase.
- Slight fluctuations are observed, likely due to load variation or operational switching.
- Phase imbalance is minimal, though P1 consistently draws slightly higher power compared to P2 and P3.

Power Factor:

- The overall power factor remains above 0.98, which is considered excellent and well within acceptable limits as per:
- IEEE 141 (Red Book) recommends PF > 0.95 for efficient operation.
- BEE guidelines under PAT scheme encourage maintaining PF > 0.95 to avoid utility penalties and reduce apparent power.

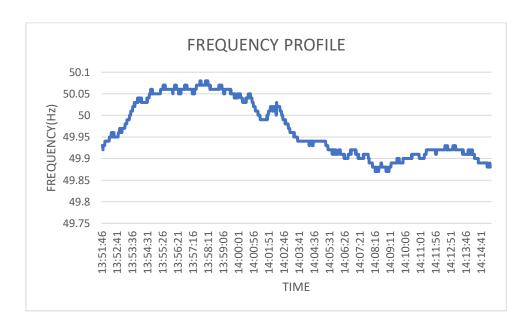
Total Harmonics Distortion:

- Voltage THD levels are consistently below 1.5%, with most values hovering around 1.1%–1.4%.
- As per IEEE 519-2014, acceptable Voltage THD limit is ≤5% for system
- Current THD values are in the range of 2.5% to 3.5%, with few spikes.
- As per IEEE 519, acceptable current limit is <5%. So, this shows THD within acceptable value.

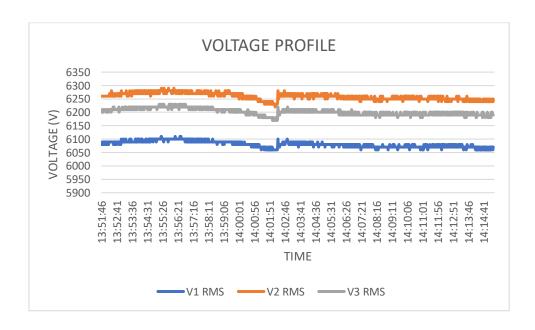


7.3 11KV HIRABAGH OUTGOING FEEDER

Frequency:



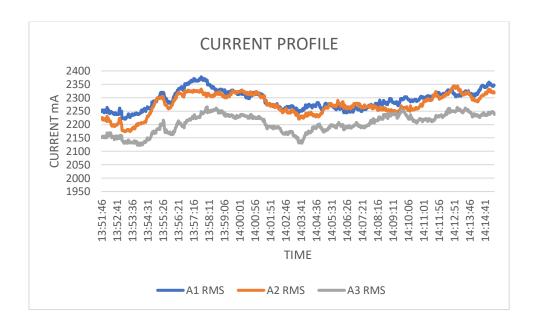
Voltage:



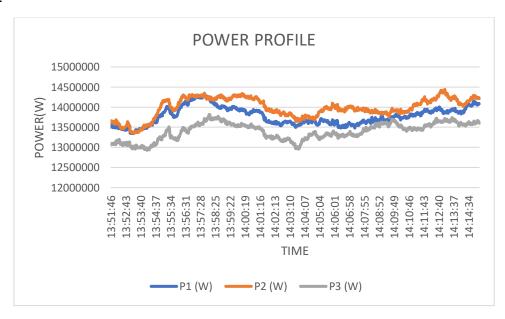




Current:

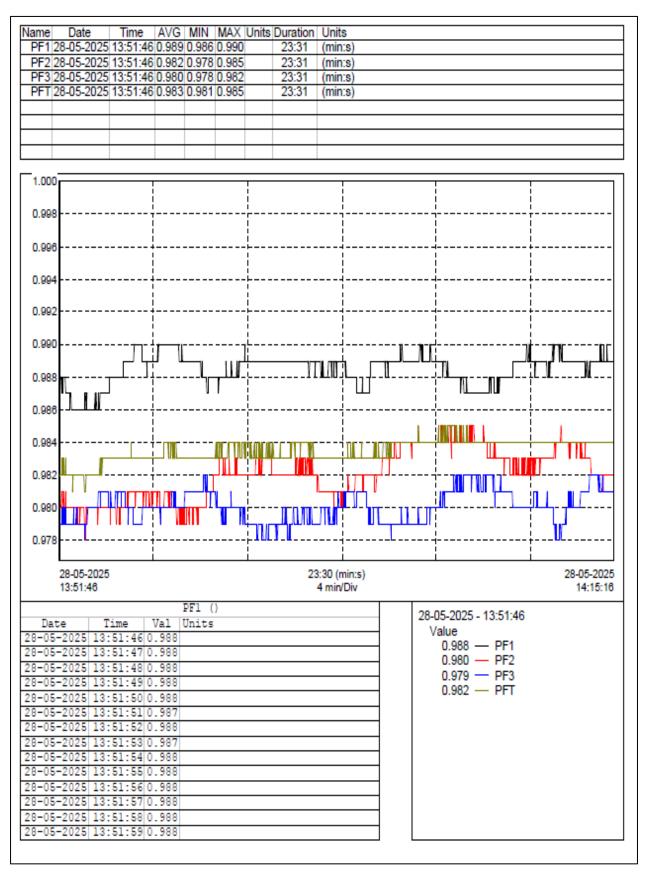


Power:



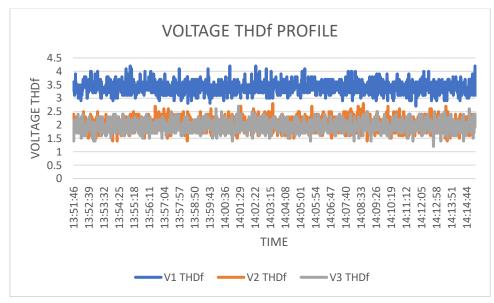


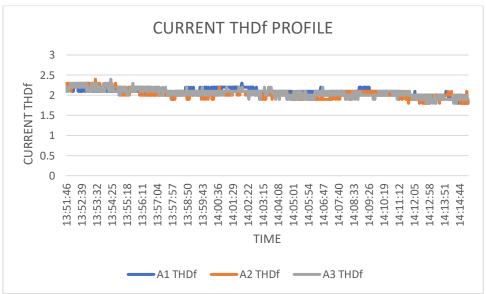
Power Factor:





THDf:







Observation:

Power Profile:

- The power flow in phases P1, P2, and P3 ranges from 13 MW to 14.5 MW across the observation period.
- P2 consistently shows higher loading, followed by P1 and then P3.
- This indicates a slight load variation, which can lead to unequal voltage drops, higher neutral current, and reduced system efficiency.

Power Factor:

- All power factor values are above 0.978, meeting the IEEE 519 and BEE threshold (>0.95).
- However, slight variations in PF2 and PF3 suggest minor reactive power fluctuations.

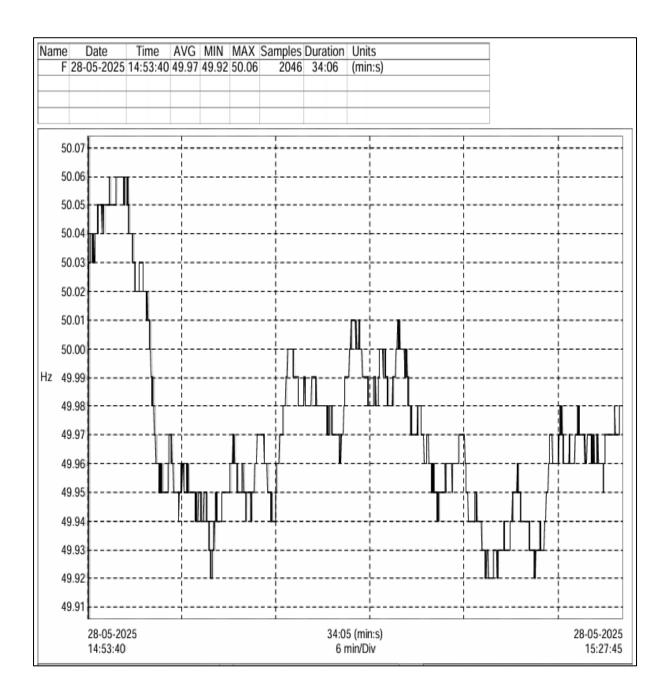
Total Harmonics Distortion:

- V1 THD shows consistent values above 3.5%, which, while within the IEEE 519 limit of 5%, is borderline for sensitive loads.
- V2 and V3 are within healthy limits.
- Current harmonics are very low, suggesting clean and efficient current waveform.



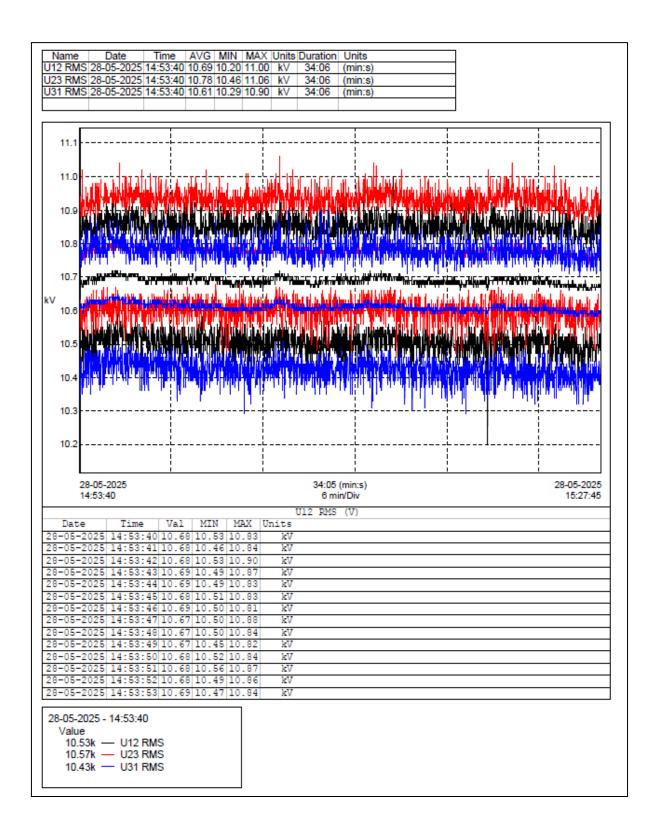
7.4 11KV VIRK COLONY OUTGOING FEEDER

Frequency:





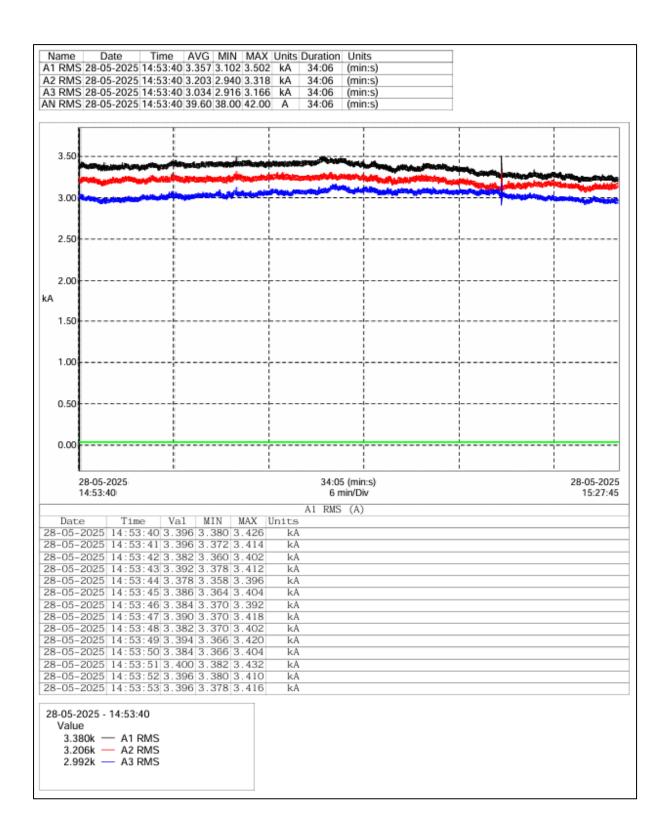
Voltage:







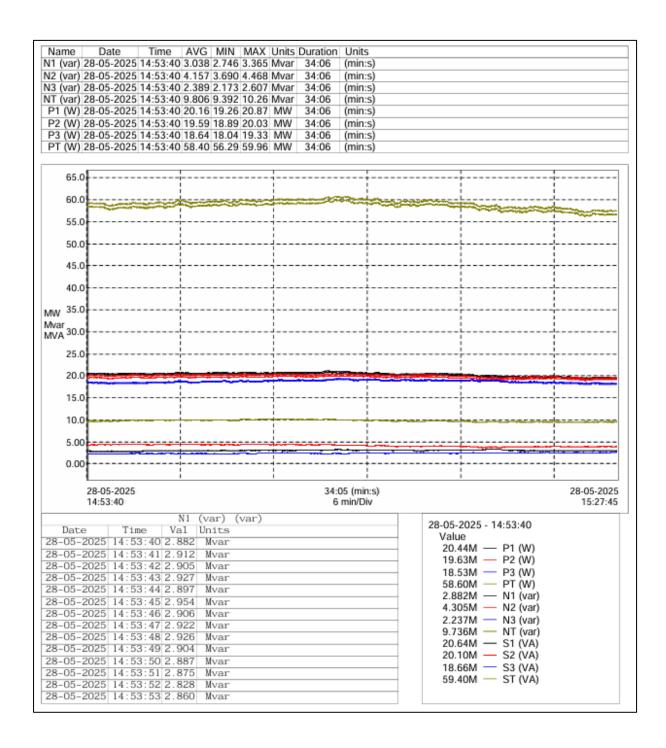
Current:





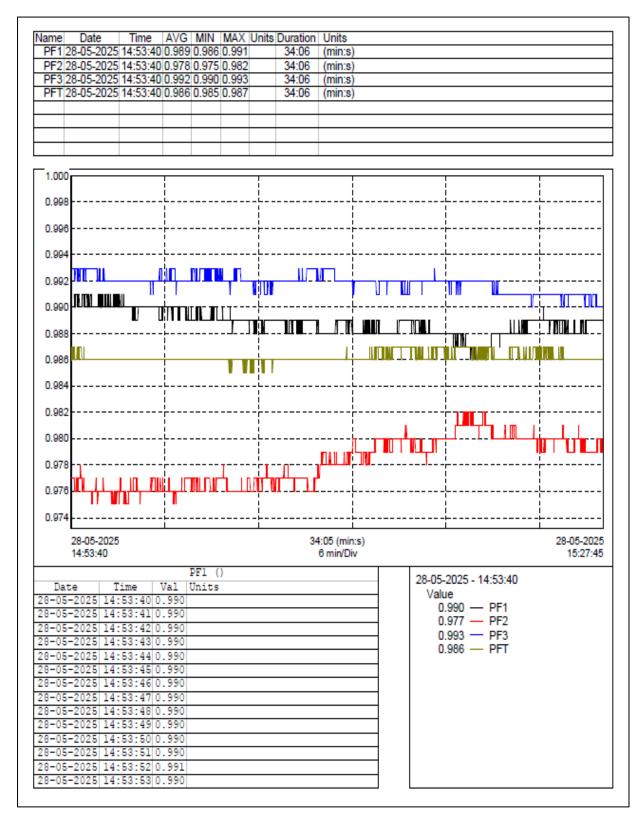


Power:



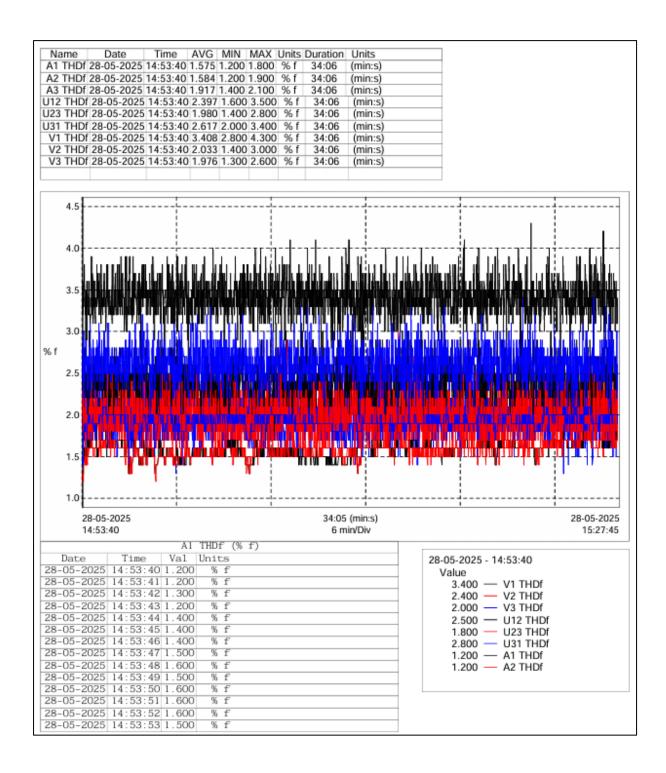


Power Factor:





THDf:





Observation:

Power Profile:

- The active power across all three phases is consistent, within balance and steady condition.
- Reactive power draw (MVAR) is below 10 MVAR, indicating normal compensation is effective.

Power Factor:

- All phases maintain PF > 0.975, complying with IEEE 519 (>0.95) and BEE norms.
- Slightly lower PF on PF2, but still within acceptable range.

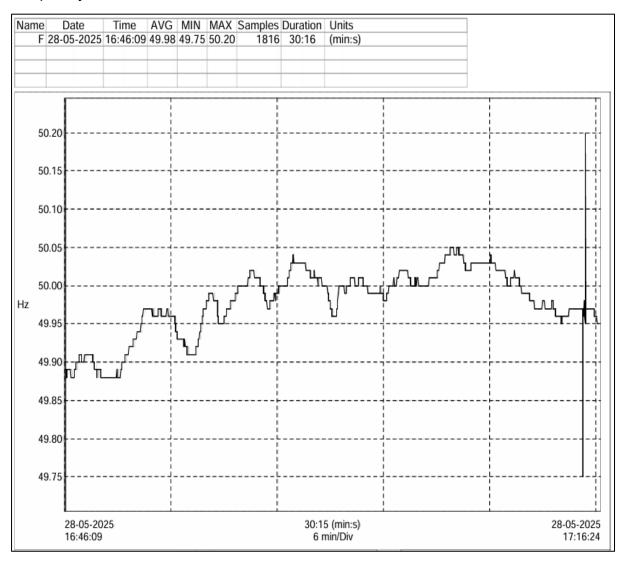
Total Harmonics Distortion:

- Voltage harmonic distortion is well within IEEE 519 limits.
- V1 is relatively higher (up to 4.3%) but does not exceed the 5% limit.
- Current THD is also within the IEEE standard limits. Which shows better system efficiency.



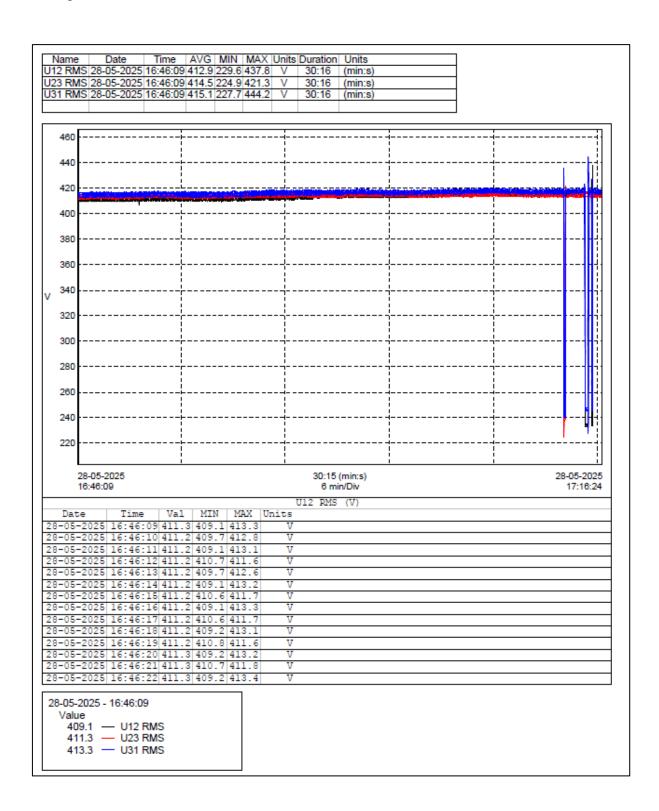
7.5 100KVA DT NEARBY PSPCL NEAR OFFICERS FLAT

Frequency:





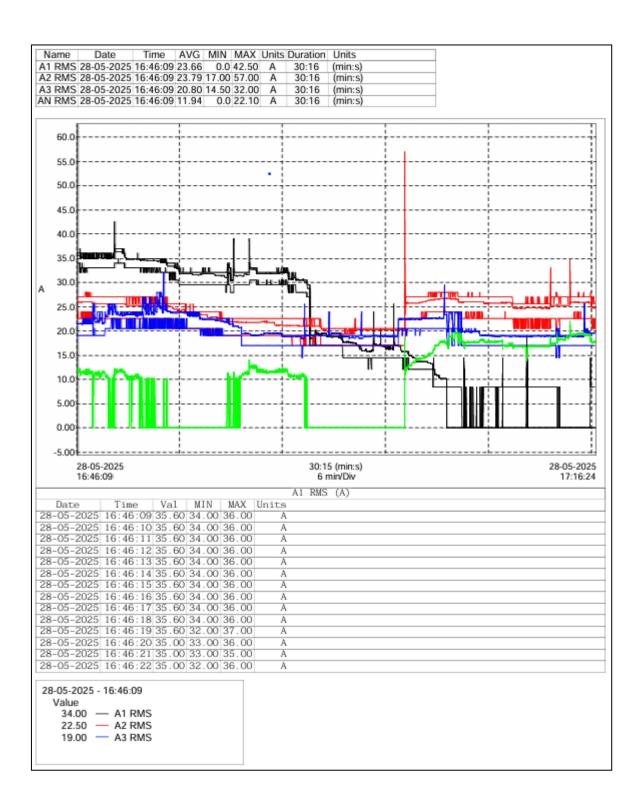
Voltage:





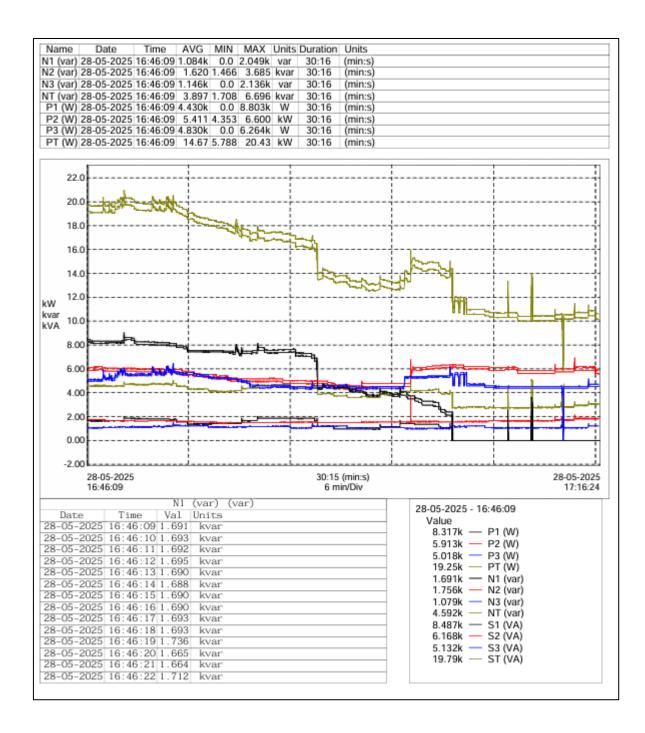


Current:



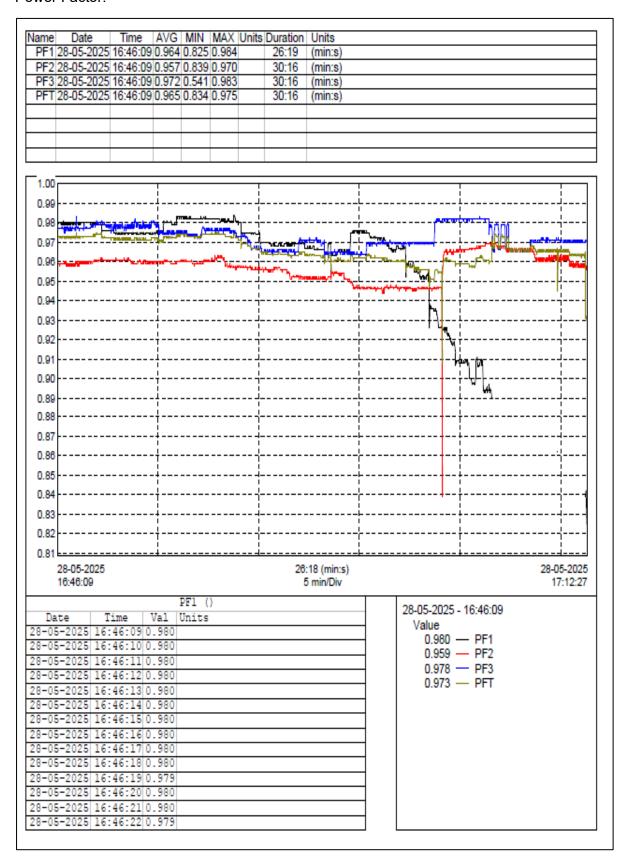


Power:



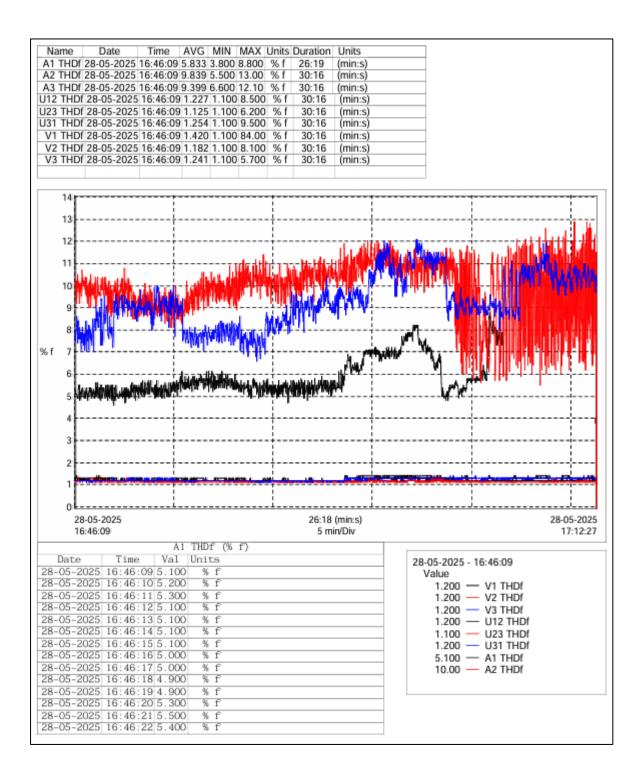


Power Factor:





THDf:





Observation:

Power Profile:

- Active power is significantly lower.
- Phase-wise distribution is reasonably balanced.

Power Factor:

• Average PF is acceptable (>0.95), but PF3 and PFT show dips below 0.9, with PF3 minimum at 0.541, which violates IEEE 519 and BEE norms.

Total Harmonics Distortion:

 Here the current and voltage THD are within the permissible limits prescribed by IEEE 519-2014 and BEE guidelines. This indicates that the electrical system maintains good power quality with minimal harmonic distortion.



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

Namdhari Eco Energies Pvt Ltd

Audit Team:

Team Member	Designation
BALI SINGH	ACCREDITED ENERGY AUDITOR AEA-206
NEERAJ GAUR	CERTIFIED ENERGY AUDITOR (EA 28449) & DISOCM SECTOR EXPERT
MURTAZA AHMED GANIE	ENERGY CONSULTANT
PRASHANT YADAV	ENERGY ENGINEER



Annexure-II Minutes of Meeting with the DISCOM Team

MINUTES OF MEETING					
PSPCL	Punjab State Power Corporation Limited (PSPCL) PSEB Building, The Mall (Sheranwala Gate), Patiala – 147001, Punjab, India Telephone: 0175-2220853, 0175-2213570 to 77 Fax: 0175-2215897, 0175-2548121, 0175-2504889	Date: 27th May 2025			
	Namdhari Eco Energies Pvt Ltd. Greater Noida	Revision: NA			

Topic		ual Energy Audit of Punjab State Power Corporation Limited FY 2024-25	
		Meeting Details	
Date: 27th May 2025 to 28th May 2025	Time: Time: Shakti Vihar, B-3 Shed, PSPCL- Patiala – 147001, Punjab, India.		
Punjab State Power Corporation Limited (PSPCL), Team:	 Er. Ha Er. Ra EA-79 	aleem Mohammad (Dy CE/DSM) arpreet Raj Singh Sandhu (ASE/DSM) avi Verma (ASE/Distribution Projects(D-1) cum Energy Auditor 969 hupinder Singh (AEE/DSM)	
Consultant Team	2. Mr. No	ali Singh eeraj Gaur lurtaza Ahmad Ganie	

Agenda: The meeting was Convened to discuss the findings of the Annual Energy Audit conducted by Namdhari Eco Energies Pvt Ltd for Punjab State Power Corporation Limited (PSPCL). The audit covered the various data points and measurements as outlined in the agenda.

Meeting Minutes:

- Introduction: The meeting commenced with introductions to all attendees and a brief overview of the purpose of the Annual Energy Audit.
- Data Provided by PUNJAB STATE POWER CORPORATION LIMITED: The Consultant, Namdhari Eco Energies Pvt Ltd, has shared the proceeds of the Audit and data required for the verification.
- Verification of Energy and Losses: The Consultant verified the purchase energy, billed energy, transmission loss, billed amount, collected amount, and AT&C loss. These figures were cross-checked against the data provided by PUNJAB STATE POWER CORPORATION LIMITED.
- We verified the sample-based input energy and Consumer Billed energy from 1st April 2024 to 31st March 2025.
- Verified all the energy purchase records w.r.t Source Energy Bills.
- Verified distributed energy at different levels of consumers.
- 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.
- Infrastructure Details: The Consultant examined the infrastructure details, including the number of 66kV,11kV substations, and DT substations, as well as the number of voltage-wise feeders. This information was validated during the audit.



- Field Measurements: The Consultant performs the filed measurement at 100 KVA -DT-(11KV/440V) at the PSPCL own premises. The Feeder Level Sample Measurements was also be done during the Annual audit at Shakti Vihar Substation 66/11 KV substation, Sampled on 11KV outgoing Sant Nagar feeder, 11KV outgoing RAJA ENCLAVE feeder, and on Other Substation Named Patiala 66/11kv on which Two Test was conducted on 11KV outgoing Feeder Towards HIRABAGH and VIRK COLONY.
- Substation Power quality: Sample test on Incoming & Outgoing Feeder field measurements were conducted, and power quality, PF, Harmonics Voltage and current were recorded.

The installed meter value was checked against the NABL calibrated power Analyzer by the Auditor Team.
 The meter was working satisfactory, and the power readings were matching satisfactory.
 Data Collection Completion: The Consultant confirmed that all the necessary data, as required in the

12. 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.

Recommendations/Points of Discussion:

13. Change in Kandi Feeder Methodology:

From 2021 onwards, PSPCL has revised its methodology for billing unmetered AP Kandi mixed feeders. These feeders, typically located along riverbanks, originally ranged from 325–350 in number in 2021. However, as of 1st April 2024, only 263 feeders remain classified as mixed Kandi feeders, following the segregation of Exclusive Agricultural Pumping (AP) supply feeders in Kandi mixed are separated and billed with input energy pumped after subtracting the loses from the that year. This is the reason for the continuous reduction in the losses of DISOCM from 2021-22 to 2023-24

14. Consumption Split for Kandi Feeders:

PSPCL considers 30% of the pumped energy for Kandi feeders as Agricultural (AP) supply, while the remaining 70% is treated as metered and billed non-AP consumption. Additionally, actual technical losses of the relevant financial year (e.g., 10.76% in FY 2023–24) were deducted from the pumped energy.

15. Implementation of New Methodology:

A new methodology was introduced by the Punjab Government in August 2024, applicable retrospectively from FY 2023–24. This change significantly impacted on the reported losses and billing figures of PSPCL.

16. Impact of Methodology Change:

Due to the new methodology, there is an approximate reduction of **600 MU** in billed energy. This variance was directly attributed to the revised accounting and categorization norms implemented by PSPCL.

17. Billed Data Validation:

Billed energy data was cross-verified using the PSPCL online portal, where feeder-wise data was accessed and matched against submitted reports.



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 relevant data the company assures timely completion of the Audit exercise.

Signed on behalf Punjab S Limited (PSPCL)	State power Corporation	Signed on behalf of Namdhari I	Eco Energies Pvt Ltd
Name	Signature & Date	Name	Signature & Date
1. Er. Saleem Mohammad (Dy CE/DSM) 2. Er. Harpreet, Singh Sandhu (ASE/DSM) 3. Er. Ravi Verma (ASE/Distribution Projects (D-1) cum Energy Manager EA- 7969) 4. Er. Bhupinder Singh	And Jaly for heart	Mr. Bali Singh (Accredited Energy Auditor- AEA-206) Mr. Neeraj Gaur (Certified Energy Auditor EA-30332 & Discom Sector Expert) Murtaza Ahmad Ganie	B, 25/5/25 / 25/5/25 / 25/05/2 25/05/25

Dy DE. DSM PEFOL / atiala

Bali Singh
Accredited Energy Auditor (AEA-206)
Bureau of Energy Efficiency
Ministry of Power, Govt. of India



Annexure-III Check List Prepared by Auditing Firm

Sr. No.	Particulars	Data Provided by PSPCL	Remarks
1.	Annual Performance review data for the FY 2024-25 (April 2024 to March 2025)	Detailed Energy accounting FY 2024-25	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 (Division Wise)
- 16. Verification of Billing Efficiency (Division 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:

• Division-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.



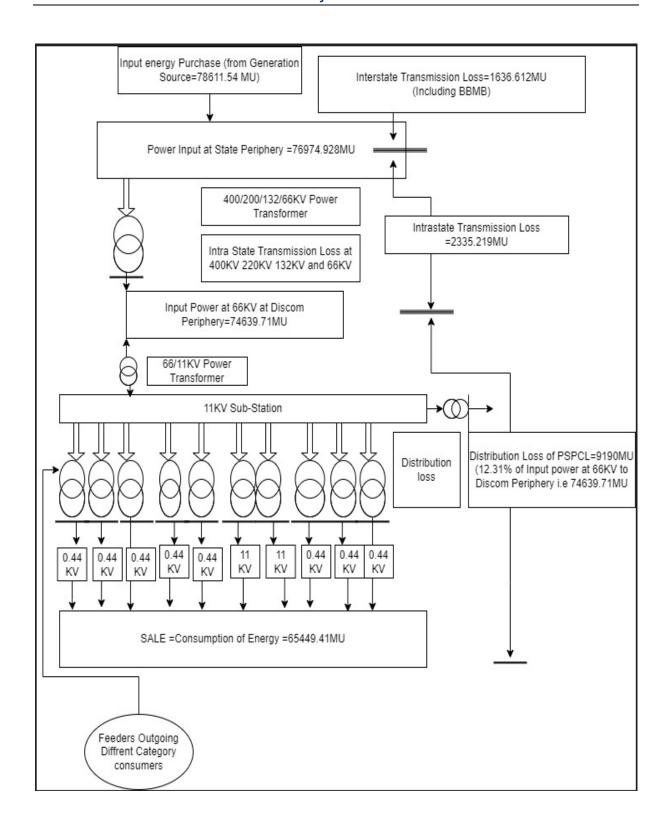
Annexure- V Infrastructure Details

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	13658	Director/D Reports link
Number of DTs	1250538	Director/D Reports link
Number of Consumers	11008964	CE/Planning

	Performance Summary of Electricity Distribution Companies					
1	Period of Ir Year of (FY) information including Date and Month (St	•	2024 to 31 ch 2025			
2	Technical Details					
(a)	Energy Input Details					
(i)	Input Energy Purchase (From Generation Source)	Million kwh	78611.54			
(ii)	Net input energy (at DISCOM Periphery after adjusting transmission losses and energy traded)	Million kwh	74639.71			
(iii)	Total Energy billed (is the Net energy billed, adjusted f traded))	Million kwh	65449.41			
(b)	Distribution (D) loss Details	DISTRIBUTION	Million kwh	9190.30		
		LOSS	%	12.31%		
	Collection Efficiency		%	91.80%		
(c)	Aggregate Technical & Commercial Loss		%	19.51%		



Annexure- VI Electrical Distribution System





Annexure- VII Category Wise Service Details

	Period From 01.04.2024 To 31.03.2025					
S. No	Type of Consumers	Category of Consumers (EHT/HT/LT /Others)	Voltage Level (In Voltage)	No of Consumer s	Total Consu mption (In MU)	Remarks (Source of data)
1	Domestic	EHT/HT/LT	400/220/6 6/33/11/L T	8151272	20124. 980	
2	Commercial	EHT/HT/LT	400/220/6 6/11/LT	1297737	5226.7 49	
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			16026		Consumption taken in Category in which it falls.
8	Public Lighting	LT	LT	6013	150.76 3	
9	HT Water Supply			227		Consumption taken in Category in which it falls.
10	HT Industrial	EHT/HT/LT	400/132/6 6/11	16377	20294. 553	
11	Industrial (Small)			97993	1126.7 76	
12	Industrial (Medium)			30537	2577.1 80	
13	HT Commercial	EHT/HT/LT	400/220/6 6/33/11/L T			
14	Applicable to Government Hospitals & Hospitals					
15	Lift Irrigation Schemes/Lift Irrigation Societies					
16	HT Res. Apartments Applicable to all areas					
17	Mixed Load					



	Period From 01.04.2024 To 31.03.2025					
S. No	Type of Consumers	Category of Consumers (EHT/HT/LT /Others)	Voltage Level (In Voltage)	No of Consumer s	Total Consu mption (In MU)	Remarks (Source of data)
18	Government offices and department					
19	Others-1 (if any, specify in remarks)	Agricultural power	LT	1392176	14967. 023	
20	Others-2 (if any, specify in remarks)	Railway Traction	400/132	8	89.361	
21	Others-3 (if any, specify in remarks)	Bulk Supply	LT/11/33	546	729.46 4	
22	Others-4 (if any, specify in remarks)	others (AP High Technology, Waste manageme nt & charitable hospitals)		52		Consumption taken in Category in which it falls.
23	Theft Units, Short Assessment, Unbilled Revenue (Eq. Units) Theft Units, Short Assessment, Unbilled Revenue (Eq. Units)				255.56	
24	Misc. Sale adjustment to match with planning (Temporary, night Supply, Non-Operation sale etc)				-93.00	
			Total	11008964	65449. 41	



Annexure- X List of Documents Verified with Each Parameter

Sr. No.	Particulars	Verified (YES/No)
1.	Annual Performance review data for FY 2024-25	Yes
2.	Sector-specific Pro-forma submitted to BEE & baseline values	Yes
3.	Quarterly Energy Accounting Reports FY 2024-25	Yes
4.	Mandatory Energy Audit report	Yes
5.	Energy Purchased Documents for April 2024 to March 2025	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 2024-25

1	Voltage level	Particulars	MU	Reference	Remarks (Source of
i	i 66kV and above (Inter- State)	Long-Term Conventional	27744. 35	Includes input energy for franchise es	data)
		Medium Conventional (unscheduled interchange)	- 1115.3 8		value of unschedul ed interchang e energy is entered as the provision of the same has not provided in the performa
		Short Term Conventional	10918. 27		
		Banking	671.50		
		Long-Term Renewable energy	3505.9 8		
		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 franchise e.	
		Sale of surplus power	-827.63	0.	



		Quantum of inter-state transmission loss	1636.6 1	As confirme d by SLDC, RLDC etc	
		Power procured from inter- state sources	40897. 09	Based on data from Form 5	
		Power at state transmission boundary	39260. 48		
ii	66kV and above (Intra- State)	Long-Term Conventional	35103. 82		Power procured from intra state sources at different voltage levels
		Medium Conventional	NA		
		Short Term Conventional	NA		
		Banking	NA		
		Long-Term Renewable energy	2326.4		NRSE power procured from intra state sources at 66KV and above
		Medium and Short-Term RE			
		Captive, open access input			
		Sale of surplus power	2225.2		
		Quantum of intra-state transmission loss	2335.2 19		
		Power procured from intra- state sources	37430. 24		PSTCL
iii		Input in DISCOM wires network	74355. 49		
iv	33 kV	Renewable Energy Procurement	17.36		
		Small capacity conventional/ biomass/ hydro plants Procurement	0.00		
		Captive, open access input	0.00		
V	11 kV	Renewable Energy Procurement	266.85		NRSE power procured from intra state



				sources at 11KV
		Small capacity conventional/ biomass/ hydro plants Procurement	0.00	PSTCL
		Sales Migration Input		
Vİ	LT	Renewable Energy Procurement	131.37	Roof Top Solar
		Sales Migration Input	-131.37	Energy
vii	Energy Embedded within DISCOM wires network	Energy Embedded within DISCOM wires network	284.22	
vii	Total Energy Available/	Total Energy Available/	74639.	
i	Input	Input	71	



Govt. Tariff Subsidy

ANNUAL SUBSIDY PERFORMA FOR FY 2024-25

Billed Energy			Subsidized	d Billed Energy		Applicab of Subside notified to State Go	dy as by	Subsidy State G		om	Subsidy Actually Billed/cla imed	Subsid y Receiv ed	Balanc e Subsid y yet to
Metered	Un-metered*	Total	Metered (out of col.2)	Un- metered* (Out of col.3)	Total	Metere d Energy **	Un- meter ed Ener gy**	Meter ed Energ y	Un- mete red Ener gy	Total	from State Govt. (As against col.12)	from State Govt. (As against col.13)	be Receiv ed from State Govt.
	(In kwh)			(In kwh)		(In Rs/	Kwh)	(1	n Rs. C	r.)	(In Rs. Cr.)	(In Rs. Cr.)	(In Rs. Cr.)
2	3	4=2+3	5	6	7=5+6	8	9	10=5x 8	11=6 x9	12=10 +11	13	14	15=13- 14
2012497986 0.00		201249798 6000%	1656622 0911		1656622 0911	Rs. 2.50 to Rs. 7.15 per KWh		8284. 57		8284. 57	8284.57	6223.7	2060.8
12,54,67,00 0.00	14,84,15,56, 297.17	14,96,70,23 ,297.2	1254800 00	14,81,77,30 ,000.0	1494321 0000	Rs.6.5 5 per KW upto 15.06.2 024 & from 16.06.2 024 at the rate 6.70 per KW		83.69	9893 .62	9977. 31	9977.32	8491.4 7	1485.8 5



29,22,52,57, 960.00		29,22,52,57 ,960.0	2464361 3529		2464361 3529	Rs 0.15 to 1.37 per	2537. 27		2537. 27	2537.27	2176.9 9	360.28
87,65,88,88 2.83		1,13,21,48, 882.8				KVA						
50,35,22,93, 702.83	14,84,15,56, 297.17	65,44,94,10 ,000.0	4133531 4440	148177300 00	5615304 4440		10905 .53	9893 .62	20799 .15	20799.1 6	16892. 16	3907.0 0



Signed Annual Accounting Report PSPCL FY 2024-25

2270	Gene	TO THE PARTY OF TH	formatio		
1	Name of the DISCOM	Punja	b State Pow	er Corporation L	imited (PSPCL
2	i) Year of Establishment			2010	
	ii)			Government .	
	Government/Public/Private			Government	
3	DISCOM's Contact details &	Address			
i	City/Town/Village		•	Patiala	200
ii	District			Patiala	
iii	State	F	unjab	Pin	147001
iv	Telephone	0175	-2212005	Fax ·	0175-221319
4	Registered Office				
i	Company's Chief Executive Name		Sh. Aj	oy Kumar Sinha	IAS
ii	Designation			CMD PSPCL	
iii	Address		T	he Mall, Patiala	
iv	City/Town/Village	F	atiala	P.O.	Patiala
v	District			Patiala .	
vi	State	F	unjab	Pin	147001
vii '	Telephone	0175	-2212005	Fax	0175-221319
5	Nodal Officer Details*			CN(III)	
i	Nodal Officer Name (Designated at DISCOM's)		Er. Ra	kesh Chand Kol	kria
ii	Designation	Chie	f Engineer (Energy Audit &	Enforcement)
iii	Address			32, Shakti Vihar	
iv	City/Town/Village	F	atiala	P.O.	Patiala
v	District			Patiala	
vi	State	P	unjab	Pin	147001
vii	Telephone	_	-2215774	Fax	0175-221577
6	Energy Manager Details*				
i	Name		F	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	aseravivern	na@gmail.com 76@gmail.com
7	Period of Information				CACALLER SEE JEE
	Year of (FY) information including Date and Month (Start & End)		1 April 2	2024 to 31 March	2025

Er. Ravi Verma EA- 7969

Energy Auditor PSPCL, Patiala.



	Performance Summary of Electricity Distrib	oution Companie	es	
1	Period of Information Year of (FY) information including Date and Month (Start & End)	1 April 2024	to 31 March 2025	
2	Technical Details			
(a)	Energy Input Details			
(i)	Input Energy Purchase (From Generation Source)	Million kwh	78611.54	
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	74639.71	
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	65449.41	
(b)	Transmission and Distribution (T&D) loss Details*	Million kwh	9190.30	DISCOM Distribution (os
(0)	Transmission and Distribution (100) 1000 Details	%	12.31%	7,
	Collection Efficiency	%	91.80%	
(c)	Aggregate Technical & Commercial Loss	%	19.51%	1

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.

Signature:

Name of Energy M Registration Num

Energy Auditor PSPCL, Patiala.

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

CEIEA & Enforcement

P.S.P.C.L., Patiala



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		Form-Detail	s of Input Infrastr	ucture	
1	Parameters	Total	Covered during in audit	Verified by Auditor in Sample Check	Remarks (Source of data)
	Number of circles	21	21	21	CE/Planining
	Number of divisions	104	104	104	CE/Planning
- All	Number of sub-divisions	508	508	508	CE/Planning
iv	Number of feeders	13658	13658	1450	Director/D Reports link
٧	Number of DTs	1249085+(1450+3) 66kv,33kv =1250538	1250538	12610	Director/D Reports link
vi	Number of consumers	11008964	11008964	11008964	CE/Planning
2	Parameters	66kV and above	33kV	. 11/22kV	LT
a. i.	Number of conventional metered consumers	. 42	0	67711	8139501
	Number of consumers with 'smart' meters	11 -	0	3,1588	1348995
60	Number of consumers with 'smart prepaid' meters	0 -	0	0 -	0
, iv	Number of consumers with 'AMR' meters	182	. 3	33640	3463
٧	Number of consumers with 'non- smart prepaid' meters	0	. 0		. 0
vi	Number of unmetered consumers	0		0	· 1383828
vii	Number of total consumers	235	3	. 132939	10875787
b.i.	Number of conventionally metered Distribution Transformers	0	0	24174	4499
ä	Number of DTs with communicable meters	1450	3	22908 .	3122
- Hi	Number of unmetered DTs	0	0	832938	361444
iv	Number of total Transformers	1450	. 3	880020	369065
c.i.	Number of metered feeders	181	4	13473	0
	Number of feeders with				
	communicable meters	164	4 .	9438	0
	Number of unmetered feeders	0	0	0	0
iv	Number of total feeders	181	4	13473	0
d.	Line length (ct km)	11765 km	50.7 +23(idle)=73.7	263913	156484
e. '	Length of Aerial Bunched Cables	0 ·	0 0	263913 1152.964	156484
f.	Length of Underground Cables	37.48	0	372.794	39.270
	The second seconds	27,40		372.794	39.270

Dy. C.E. TD.S.M.
P.S.P.C.L. Patiale

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1	Voltage level	Particulars	MU	Reference	Remarks (Source of data)
		Long-Term Conventional	27744.35	Includes input energy for	nemarks (source of data)
		Medium Conventional (unscheduled interchange)	-1115.38	franchisees	value of unscheduled interchange end is entered as the provision of the sar has not provided in the performa
		Short Term Conventional	10918.27		as not provided in the periorina
		Banking	671.50		
	1	Long-Term Renewable energy	3505.98		
	66Ward to the same	Medium and Short Tarm RE	0.00	Includes power from bilateral/	
	66kV and above (Inter-State)	Captive, open access input		Any power wheeled for any purchase other than sale to DISCOM. Does not include input for franchisee.	
	1	Sale of surplus power	-827.63	Tor markingee.	
	1	Quantum of inter-state			
		transmission loss Power procured from inter-state	1636.61	As confirmed by SLDC, RLDC etc	
		sources Power at state transmission	40897.09	Based on data from Form 5	
-		boundary	39260.48		
		Long-Term Conventional	35103.82		Power procured from letra state source
		Medium Conventional	NA.		at different voltage levels
	1	Short Term Conventional	NA.		
		Banking	NA		
	66kV and above (Intra-State)	Long-Term Renewable energy	2326.42		NRSE power procured from intra state
	come auto appare (lintra-state)	Medium and Short-Term RE			sources at 66KV and above
		Captive, open access input			
		Sale of surplus power			
		Quantum of intra-state	-		
		transmission loss	2335.219		
		Power procured from Intra-state sources	37430.24		PSTCL
iv	33 kV	Input in DISCOM wires network	74355.49		
	33 KV	Renewable Energy Procurement	17.36		
		Small capacity conventional/ biomass/ hydro plants Procurement	0.00		
		Captive, open access input	0.00		
v	11 kV	Renewable Energy Procurement	266.85		NRSE power procured from intra state
		Small capacity conventional/ biomass/ hydro plants Procyrement	0.00		PSTCL
vi	LT .	Sales Migration Input			
		Renewable Energy Procurement	131.37		
	Energy Embedded within	Sales Migration Input	-131.37		Roof Top Solar Energy
vei vei	DISCOM wires network	Energy Embedded within DISCOM wires network	284.22		1
1111	Total Energy Available/ Input	Total Energy Available/ Input	74639.71		

P.S.P.C.L., Patiala





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4	Voltage level	Energy Sales Particulars	MU	Reference	
		DISCOM ² consumers		Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	
1	11KV/tT	Embedded generation used	0.00	Demand from embedded generation at LT level	
		Sale at 11KV/LT level	0.00		Voltagewise margy requirement legist not available instead evaluble sourcembe.
	l .	Quantum of 11KV/LT level losses	0.000		
		Energy Input at 11 KV/LT level			
		DISCOM consumers		Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	a	Non DISCOM's sales	
	33 kV Level	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			
		DISCOM consumers	65449.41	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	10.283	Non DISCOM's sales	
iw	66>/66/33/11 / 0.44 KV	Embedded generation at 66 kV or below level	415.59	This is DISCOM and OA demand met via energy generated at same voltage level	
		Sales at 66 kV level	65459.69		
		Quantum of Losses at 66 kV>	9180.02	Letter yipte too bisMilescare states (CSCOM)	_
		Energy input at 66kV Level	74639.71		
		DISCOM' consumers	240,00.22	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	
iv	> 66 kV	Cross border sale of energy	0		
	1	Sale at other DISCOMs	0		
	1	Banking	D		
		Energy input at > 66kV Level	3981.98	1	
		Sales at 66kV and above (EHV)	1981.98		
	Total Energy Requ		78611.41		
	Total Energy	Sales	65449.41		

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

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		Ener	Ey Accounting Summary		
5	DISCOM	Input (in MU)	Sale (in MU)	Loss (In MU)	Loss %
	LT				
ii	11KV				
HE	33 KV				
ie	66/33/11 / 0.44 KV	74639.71	65449.41	9190.30	12.31%
6	Open Access, Captive	Input (In MU)	Sale (In MU)	Loss (in MU)	
1	LT	0	0	0	
	11 Kv	0	0	0	
100	33 kv	0	0	0	
iv	> 33 kv			100	

NOTE: D Losses 12.31 % are calculated by Net input energy (At DISCOM Periphery after adjusting the transmission losses and energy traded 78611.54-1636.61-2335.22-74639.71 MU basis.

CE/EA & Enforcement P.S.P.C.L., Patiala Er. Ravi Verma EA- 7969 Energy Auditor PSPCL, Patiala. Dy. C.E. D.S.M.

P.S.P.C.L., Patiala

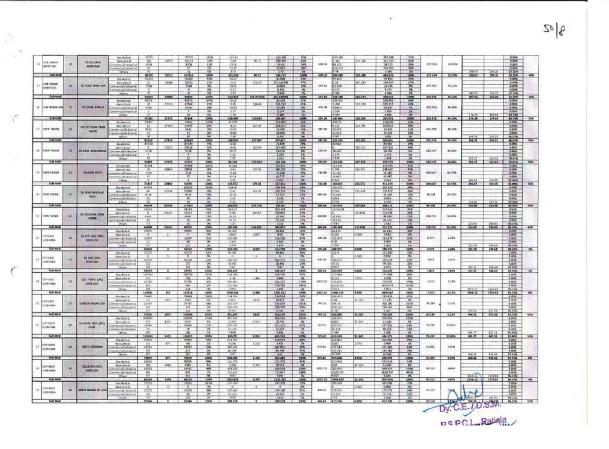


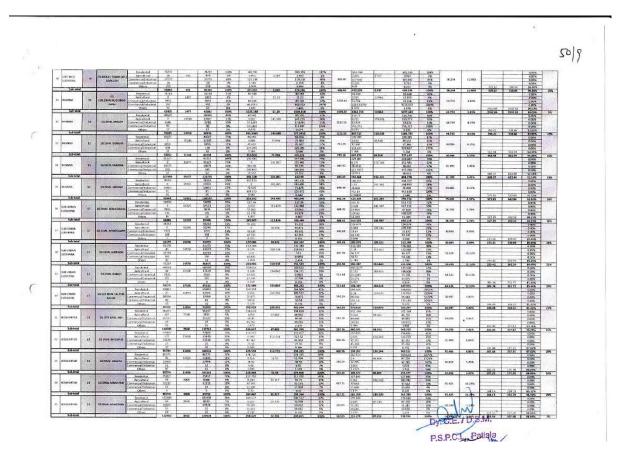
50/2

1	STATE OF THE PARTY	100		Total Control			-			-	Division Ultre L	Perhad fro	PGC-10.10 m	Ta 11/01/2025	DOMESTIC OF THE		-		A. 2 - 17 NO 30-818		1 122 170	Care Lillion	
2		Cheda	E COLUMN TO STATE OF THE PARTY	THE RESERVE	Knel	Name	Terel Number	Consumer profi				10195002	2600 10	(102E)	Ererps paramete	m	45,50-31	10	GAL	l (e	weetsi Ferm	rier	_
0	Marve of e being	code	Harry of Division	Comumer category	restered metared (Nov)	tonnerites Un metered (Nos)	of corrections (Not)	N of number of corrections	Connected Load metered (MW)	Connected Land Unmelimed (MW)	Total Cornected Land (MW)	tornected lead	Inquit energy (MU)	Adequeed	University (M. University) is second	Total energy	Stof energy consensation	TEO form (MIV)	180 loss (N)	delled Acrespet in Rr. Crore	Collected Associate in Re. Green	Colection Efficiency	
+		30225	DECEMBER OF THE PARTY OF THE PA	Aminenta	49602		43463	72%	108.16	COLIECTOR	108.161	ARK	-	127119	7 2 2 2 2 2 2 2 2	137.119	47%			10000000		0.00%	-
4	CITY AMELINAN	100	DECITY CHNIER DANK,	Agricultural Egypterijul/redigitisul	10914	0	263 20224	78%	122.62	000	122 666	200	35462	5.47 125.577	2.000	125.677	4/8	45.012	17.25%			CHIN	7
1		HOESE.	A51	Enversecti 4 Freducti 4			46	C%	14.80		14.801	UL		31.642		31.642	11%	earne	17.25%	-		0.00%	# 9
4	Sand	Target St.	COLDHINGSERIES	Others	15st 63.095	0	150	1000	151		1525 266,547	1966	354.02	273.006	0.000	291:004	100%	69.012	-	1901)	177.7%	04 CON	
٦	1	152000	ON THE PARTY NAMED IN	Besidential	19461	_	37461	CN	146.85		146 845	1975	170.00	110.74	10.000	141.743	42%	13.012	17.21%	18011	177.76	0.00%	-
4	TITY AMERICAN	988	DE CONCUMENTALE	Anicalistal Commercial/Indonesia	10/09	0	10709	DK ERN	554 114.41	0.00	0.045	94	505.71	0.011	0.000	0.0h1	0% 41%	13.025	10.00%			0.00%	7
1	SUSSINGER.		DIVE	Commercial/industrial	6		6	ín.	106		9.581	21		2.927		3.327	176		10.00		1000	D.00%	+
÷	Sub-testal	ATT TO SE	No. of the latest of the lates	Others	41201	0	56 61266	100	275.651	- 0	275.651	1000	305.73	772.487	0.000	\$.337 213.649	1000			12031	17775	ind sinets	1
Т		211573	The second	Residential	47524		42604	20%	52.63		32A11	17%	POL/1	24.987		95.167	11/79	1100	19.60%	250.51	27735	96 97% G10%	-
d	SMERRARYTT		DS DIVIS, HARRIA	Agricultural Commercial/Industrial	14 21143	0	31063	20%	73.96	E/00	0.082 72.7954	77%	199.14	G 181 61.617	0.000	61.637	0% 21%	11.721	16.01%			GHM.	10
	A STATE OF THE PARTY OF THE PAR		EASE, ASE	Commercial/Industrial	7		7	04	3.17		3119	1%		2/955		3.995	17	*****				Gara	+
÷	Sale field		The second second	Others	53963		65045	190%	162,72		1007	100%	199,34	151.514	2.000	1414	100			28211	177.7%	10.07%	1
1	11111111111	9003046	Salation agency	Basileet 4	11791		51200	1.0%	11204		112 009	CX.		148.647		148 633	52%	31.721	16.41%	160.11	272.75	0.00%	
d	CHYADANISAR!	1	DS PACIL AND ATTON	Approximal Contraction behavioral	11127	- 0	1197	127	0.27 75.05	0.00	0.273 75.047	ion ion	279.76	0.471 62 727	0.000	9401	2.5%	45.658	11.51%			0.00%	
Т			DIN	Commercial Bedestral	8		8	UN.	3.14		1.16	13		5.058		5.059	75		I Law	-		0.00%	4
+	S.B-setal	Lucion	THE REAL PROPERTY.	Others	1.26 6-1824	0	64826	2000	191.472	- 4	D.863 191,422	0% 00%	220.2A	2212	6.000	274100	100%	45,512	17.22%	180.11	17775	99.89%	
Т		1000000	TELLOS AND	. Menkfertisk	77,716		77250	17.7%	255/0		155.424	62%	10000	192 58174	-	352.645	676	40,018	17.22%	180.11	12775	0.00%	+
1	SERONSON		ESCHTONIN MATRIA	Aprechasi Commercial industrial	100	19115	13425	12%	6395	6(4)	52400 63353)54.)64.	#0.m	3 (6) 30 89572	JE 8995	78.751 50.856	17%	42.352	17.15%			-0,874	4
-	INCOME.		VALUE OF THE PARTY	Commercial Industrial	19	-	17	ON	10.54		10515	0	1	In 494	-	10.494	55	W-354	11.250	-		0.00%	+
_	Secure	Description of the last	Part of the last	Others	97,297	13119	105434	100%	201,405	61.04	299.11	100%	193.70	0.86-0	73.499	0.004 \$25.146	0K			221.22	199.27	10.07%	1
т		Since Silver		Respected	1,20,097		130392	107%	197.74		191766	Jen.	942.70	(03.54)	nan	242841	300% 32%	47.363	171506	10.71	199.27	49.07N	
1	GIRDASPIR	200	DS CITY DRIVE.	American Conservation Industrial	27470	4602	21659	45%	160	17.96	19.199	175	580.01	4 565	25,822	01.357	28%	7.161				6.60%	1
T			PARHAMOT	Commencial Technology	132		192	OUE	75,46	-	99.07 35.661	254	540.31	PS.9339		23,954	77%. 26%.	7.161	-1.40%			0.00% 0.00%	4
+	Sub-total	100000	BERTHOON.	Others	146161	4652	112504	000	16,97	17.94	16.972	100%	130.71	His	-	39,700	14%		10000	375.83	315.25	37.30%	1
т	1	LOW REAL PROPERTY.	SUDDICE INSPERSE	federial	71933		75091	235%	117.64		187.661	55%	120,91	151,411	75,522	113.413	230% C2K	-7.161	1.45%	379.89	365.95	87.10% 0.00%	-
4	SURGASPOR	9	DEFEND CANADA	Archer Corperate Lance	55 3574	20303	9124	155	8 17 /75a	98.69	17563	43%	195.93	0.166 24.080	121.475	127344 24,000	446		20600			0.00%	1
Т				Commercial/industria-	16		16	DK.	4 17 0 10		6.091	11%		2.231		9.217	12	81.981	22168	-	-	0.00%	100
_	Selected	STATE OF	INCOMPRODUCES.	Ettes	89412	20403	105455	100%	219.51	18,585	298.515	588		0,149	LIGARS	0.549	3%	#1.685		311.55	140.90	80.75%	125
Τ	0.000000	Part 2		Senderna	54877	-	54877	360	72.76		32.159	100%	191.53	171.3661	126.475	131.56	100%	#).095	20.18%	223.50	180.90	64.75% E.RO%	,
k	MADASPINE.	-	DS DVN. DHADMA	Commencial industrial	3635	15696	15451 7683	11%	0.15	60.67	61.043	5%	281.20	1365	SEATE: 5	RA.164	28%	No sen	10 176			6.80%	1
Т			12.11.1000.1100.00	Cowmental/indictrial	3.1		11	04.	19.21		19,223 5,801	9% 1%	200.20	150357		19.477	74	54,108	18.05		_	6.10% 6.10%	4
4	Sal-total	SCHIES.		Others	66701	35646	26 82892	1925	115.967	10.671	0.632	100%	284.30	0.58465	91.434	0.965	873		200	156.65	10.04	44.73%	
Т	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DACTE	BRITANISM	Rendered	115007	1966	115017	188%	195.25	90.693	195.21.1	715	784.20	292.811	81,104	228,764. 227,621	190%	54.508	10.13%	1944	187.02	0.50%	,
L	DATE STATE OF THE		In DAYS, HUPDANIN	Egricalistal Egricalistal	10ed	28618	19641	775	0.23	64.11	55.926 53.926	26% - 22%	401.19	0.54	18.104	78.99A	77%	mas	Tenant I			0.00%	1
1	7.00			Contempolification of	25		/1	9%	7,12	-	7.315	7%	*11.32	51.002 7.744		51 001 7 714	17%	69,430	15.11%	-	-	0.00%	
4	Sub-votal		REPROFESSION.	Ohm	132204	19976	151329	9% 190%	56E 262,521	64.191	325.51.2	7% 100%		17.342 414/54		37,257	- 05		Towns.	275 58	150.25	20,54%	1
т		100000	NAME OF STREET	Products	56393		38080	10.7%	365.57		143.565	19%	461.41	199.453	78-376	197.151	100% 68%	69,310	15.11%	275.58	192.01	91.54%	2
k	BURNING	9	DO SALIDINE MATERIA	April after pl	11569E	17611	25821 1199e	30%	47.14	HERE	131.000 47.136	40%	543.54	1.275	379.243	129,782	44%		26.22%			4.00%	1
Т	THE PARTY IN		SO NOTICE DELICATION	Long-to-cold Set accord. Long-to-cold Set accord.	1744		27	9%	10.67		12.97	196	343.54	15 /42	-	48,555	17% 1%	141.039	26.32%	-	_	0.02% 0.02%	
1	MARKE	10225	A STATE OF THE STA	Othern	111191	25622	158-503	200%	208.736	111.04	2.222	1005	414			4932	2%			290.98	247.55	63.73%	1
T		4003850	Mark was a large	Brackercal	94017	10.50	5/017	155%	363.11	111.04	144.10s	100%	414	277,222	128.723	400.505 169.114	1004	141,000	29.52%	196,98	207.17	83.73% 0.00%	
J,	andamin .		85 1/0 BMN.	Appendical Commercial front (14)	230	5191	5423	123	116	1210	19.979	176	201.10	0.152	#7.647	40,599	10%	700000	Upana I			0.024	1
T		121800	PATHAMOT	Conservation (adults)	21092 52		12002	0%	2657		28 1.25 28 h f	27% 1%		20.425 20.435		20.405	384	31.352	tars	-		0.00%	
4	Lhors	100000		Others	116735	5)93	121928	9% 200%	2007	18500	20:069	874	-	(12%		51,325	175		1000	357.80	143.69	99.45%	1
Т		100.30	OF TOWN	Bencherial	13699		13090	13.18	210.40	17.641	110,258	100%	392.33	D1.550	40,447	171.002	100%	21.552	3.43%	357.81	140.00	0.000	
1	TO CARNO	1	DE DOWN LANDONS	Accordant Commercial industrial	306 2045	11647	20451	158	1.06	211.49	114.655 64.782	49% 29%	565,313	1049	E15.908	121 617	ers.	125.495	1			0.00%	1
ľ	METTAX		GURU	Commercial/Industrial	85	-	15	9%	42 41		42.601	17%		17.999		77,099	375	40.50	22.28%	-	-	0.00%	1
1	Schutz	THE PERSON	STATE OF THE PARTY	Others	83122	14472	34 61416	0%	136.204	118.619	E 161 841,747	794	WATE	(I) 987		10:011	- 64			107.75	771-29	44.15%	
Ť		100110	STATE OF THE PARTY.	Residential	197756	appet/	167736	215h	#18.05	madis	435.054.59	1955	20233	373.647 506.502	315.968	106.500	100%	125.995	22.23%	307.75	171.20	BE 252	,
	MINISTRA	21	DETALL	Secolusi Comportal/Industrial	36146	.0	18106	400	178	pino	2575b	296	1130.13	19.586 254.757	0.000	19.58G	444	164.535	14585			BUD'S	
1	MAUNE.	THE ST	DESTE AND THAT	Conservate Plechatoral	81		11	DW.	21.12		72.547	200	1357637	134,500		136.506	47%	100.565	****			6:00% 6:00%	1
4	Substate	A STATE OF	0.000	Ohm	197301	-	197063	200%	20 10 222 27222	0	727.137113	10%	1130.55	11.857	0.000	944.85.2 944.204	100%	2	14.94%	187.00		92.50%	
_					44,771																436.17		7

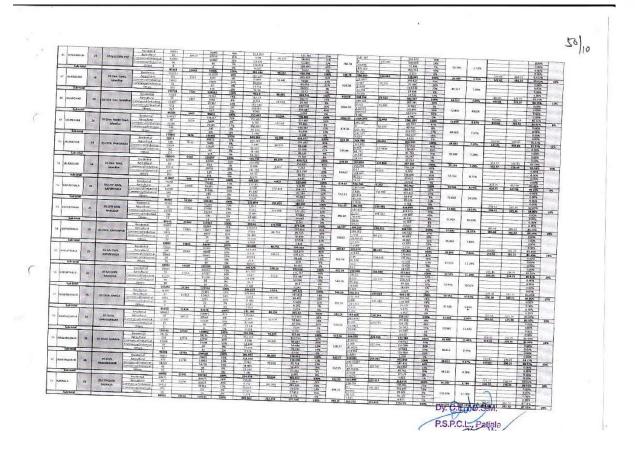


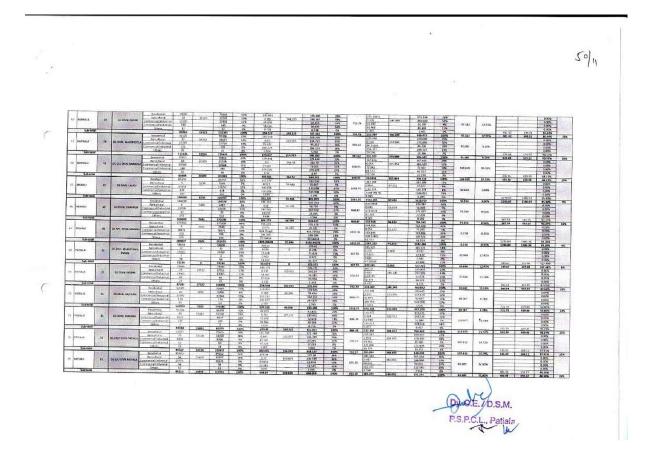
















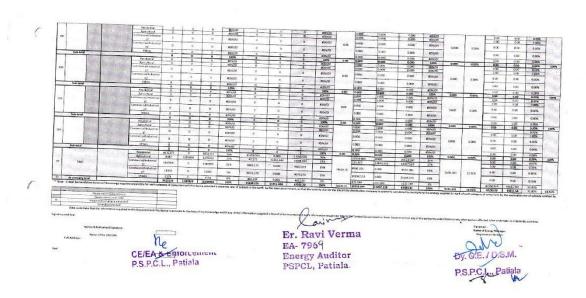


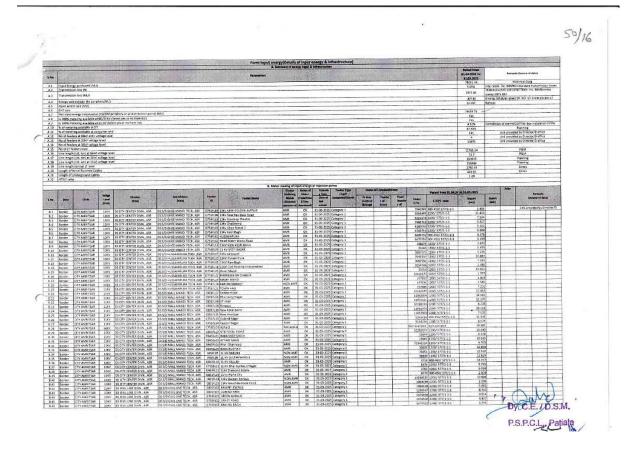
-		0000	DO NOT THE OWNER.	Resolution	49071	43001	4807h	6356 3656	7330 987	218.62	75,897 735,645	III's	-	0.014	136,334	103 Vo.2	21%		-			0.00	
	BATHADA	100	IS DVK PIAGE PA	Arricaltoral Economical/Industrial 17	5484	2270	3988	7%	0.05	Zikis	23.007	7%	609.12	22 624	100,101	22.004	19	160.012	200,0000			0.000	
•	an man	963	*	Contract of against	111		188	0%	218		21.00%	175	-	12.163	-	18.90	46	110.413	- Ann			500	
	Sub-terta	155		Others	18004	10191	74283	130%	00% 135,000	238.829	6.(e 	100%	-	(0.565 (143.88)	226.533	0 140 879,714	ON LION	110,402	28,32%	375.73	273.79 273.79	ULIN.	404
	NA-GIA	10000	1000000000	Producta:	70901	2000	7/811	Type	129.74		134.794 734.341	100	1406.13	268/689		20100	119	188,402	ALAS.	ML71	Dr. Je	ERON	
	BATHRITA		Di DVM RIGHTADA	Amerikasi Campandi/Industryi	me	2000	37013	10%	933 94 N	256.83	54.779	120	TEXAS	1323	130,784	38758	75	105.04	140%			nen	18.53
	and and			Communication of the control of the	100		180	ON.	2735		27,858	-	1	28.819	1	28,137	- 54	-	12.00			8,00%	136
	5-0-0/16	324	The Publish	Others	U milia		LIDZM	200%	0.35 275.263		6.547	04 190%	-	281.965	381.794	1.099	1876	10340	24.57%	174.00 424.00	\$75.60 \$75.60	88.21% 86.25%	254
	1000	Total line	SHIDE STATE	tendental	51,85%	21004	1,1,24574	74%	171.781	594.812	185,996	345 42h	193.00	226,221	291.561	216,315	495	201,240	JASER.	- this	. History	2.8% 0.8%	
	BATHINDA	40	DISTANCE MEMA	Amortesi Communical Industrial	-	4107.0	21063 17279	118	320	214.82	734-643 86-297	17%	820.74	78.548	295563	74541	126	121.794	15.02%			0.00%	1437
	BATHINGA	1000	DESIVE MEMA	Commence/recentric	35/19		162	04	55.30		17.546	Pi.	*20.74		-	37.534	bu.	171.94	15.02%		-	0.00%	
	Sub-title	150		int Others	360 k		-	0% 160%	1755 0.11		0.118	1000		(7 814 (1961 289.48)	-	0.041	0% 100%	131.794	15.02%	40) i.i.	A22.67	17,94%	
1	349-1/16	10.590	A STATE OF THE PARTY OF	Recibel U	100,000 101,000 120	21359	161547 581770 24677	73%	295.192 361.76	234,923	tol: 14.7	AM.	830.74	274,489	297,381	274.440	14%	LILINA	11.07%	880.51	- ALEAS	0.00%	215
	BUTULANA.		District August	Apricatoral Commercia/Industrial		7400	2407 52691	18%	127	222.08	123 75.1	250		0.293	IOCA1A	307.231	10K		6389			0.00%	100
-	BATHENDA	-00	DI DIVIE MATH	Correspond/industrial	12007		284	(M.	42.04	-	10.341	ANY	205.03			1104,332	178	138,648	1.58%	-		0.00%	153
	ELE WAR	1239		HT. Dies	110		18	OK.	87.56 4.54		AND	198		1.75 a. 372 1.7 002	-	17 (80)	1%			LIGHTSO	137134	91574	
	N.B. Salar	1000	San San Live	Indetal.	\$1498\$ 50640	24707	100477	\$190% \$190%	567.781 [5454	221.0F4	114.641907	2000s 700s 450s	2135.13	1009-06F	204.404	141/362 241/362	17%	156.448	8.50N	1304.50	1,818,14	0.00% 0.00%	IPA
	and a	100	DECIMAL REALPHAN	Apricatival Commercia/Industryi-	2/4	14/16	11349	12%	3.69	150/07	E4.31399	10%		12541	781.439	218.003 10.008	115					0.00%	11/6
9	BATHROA	40	100 ma	European of Fredericals	108/	-	141	- 19	Bu	-	M Done	194	Te5-86	59.004	-	73.034	14%	EH-052	27119	-		1000	200
		135	PALE DATE	HC Otion	181 58		34	28	1531		A129	15		1166		1.161	19			139.98	505.00	62,776	
	Toda formal	190000	A CONTRACTOR OF	Restricted	72654 9:704	1,4798	95449 97958	300% 589-	294,791456	146.01303	101.754054 101.540 247.461	100% 173 47%	325.80	296.329	226,679	525, PAR 2 88 (215	300% 19% 47%	IMPE	27.11%	370.38	MER	63.77% 6.50%	- NA
		235		April de la Carriera		20385	21475	13%	817	217.14	242.441	10%		0.40	125.405	81030	126					0.00% 0.00%	
9	CARCINO	44	DE CITY EPUN. MOSA	(2 Communical/Industrial	19673		111	275	\$6.77	-	34,007	179	62154	40 CH	-	40.169	15	timine	18-2076			0.00%	
		1300		pri Drives	33		ia .	(76	7.80		1,001	19	-	438		4 191	19	a translation		47734	#10713	43.63%	75
-	Seb-total	125000		Indental	110054	26345	197300	100%	127.21	277,513	127,200	21%	829.58	169 091	315.805	679.625 1100.717	350% 73%	100114	18.10%	427.51	410.11	85.89% 0-00%	80%
		-334	DI-DOWN	Articalized Commercial/Industrial	100	20011	24991	216	1.8	39158	(85,922) (53,918	100		5.471	430,794	10.70	10%					0.00%	
4	reseas	44	RASHAPIMANA	Trensero/Nobobial	10114		150	O's	4117		43.00	19	100.29	38.675	-	36.03	n	525323	25.72%		-	0.00%	
		SELF.	15 10 13	Ottes	177		1	O's	1916		6167	0%		56.662 0.541		9341	09.			41/.11	180.61	62.674	201
4	Substitute	Total Section		Source	83481 73410	2481	104333	100%	215.548 116-50	294,533	110.00	100%	100.19	273.06E	430.298	278.366	10%	211.223	25.73%	A17.53	186.83	Ø.807th	39%
1		Tight.		Aprotect Commence (a) Technology	15	21575	71610	124	0.80	109.70	106.5	3476		0.863	15.5409	1185/B	18%					6.80%	
۲.	GROSET.	**	DIS DIVINE FAMILIED	Epinopera (1)	7911		-	irs.	5016	-	25.585	19	498.55	45.36	-	25,844	**	90.367	19:09%		_	630%	
1		1882		Olivo	66.	-	- 11	179	2534 508		6397	Th.	+	16.0027	-	15.001				790.99	190.71	86.52%	
4	N/B-total	NA.	Control of the last of the las	Andetal	83632 966740	21522	305954 WALLA	150% 77%	277.49	128,198	328.294 171.497	1804	438.15	269.363 343.548	223,435	855,180 253,185	300% 10%	95,187	19.09%	20131	260,71	830%	NN.
			HERETILE.	Appatent Commercia/Industrial	- 80	- 08/3	101	189	941	28.79	235.75H	47%	1	1.040	(8731)	2000,177 14.900	en m					0.30%	
9	AND BETT	44	DECRMA SOFEMAN	ST Commencial/Indianous	1011	-	154	os-	100.00	-	41.672	129	245.72	tears	-	74780	115	#2:5 9 4	22.656	-		0.30%	26
1		Will be		Sel Others	15A.		24	0%	88.60		6,715	9094	-	Nespii 1.961	-	Life	in .			240.43	400.45	87.69%	200
-	5/8-1016	No.		Souterial	131463	23673	135534	100% HN	296.075 152.94	210,294	33.1,309	1904	741.72	185,296	287501	867.E32 185.796	110N	\$2,004	12,65%	443.41	405.45	G (alles	22%
1		100	10 11 135	fercities Commercial industrial	H	17870.	17858	18%	9.18	38196	179-14	GV.		9213	287.417	281.890	41%		100	-		0.00%	
١.	CARBONIST	-	DE ENDINE HOUSE	ST Commercial/Indiamial	21304	-	1140	189	6034	-	90.143	12%	A05.75	52,9187	-	32.939	19	74.729	11.2W			0.00%	26
J		1183		Hf Others	21	-	100	0%	43.61 6.43		0.400	0%	in.	95 mit Outlier	-	0.063	0%		1015	440.45	Jan 23	18.574	
10	140 910	10000		Amidential	P1561 £2599	17836	6000	100% Mrs.	285.282 (8.61)	191,959	173,241	100%	700.71	130.86	1907.1117	623.990 170.640	100%	78,723	11.75%	640.45	109.23	9837% G-08%	2204
		1000	18 16 10	Agriculture Communicationation	20	20915	2070163)1K	8.04	141.75	141 (0.71	42%		0.90	146.547	1.46. 90.7	11%. 14%.		63.9	-		IX.DROPE.	300
1	STRONGS.	41	65 OFF DANK. HEROSPUR	(† (ammenia)(mpamari	9502		9573	12%	55.90		44,918	164	508.76	25.907	-	45.937	IIN.	120,946	26.00%	1		0.00%	(37)
1		2784	TEST TO SE	of Others	13		0	0%	2551		150	10	-	31667	-	40 M2	DK PS		-	M	24214	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
-	148 100				Prom	P##13	16223	100%	154.887	343.738	194.60	100%	564.76	779.280	148.567	418.827	100%	145.310	/_x.x.	0,8.	R PERSON	42.75%	35%





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A A A A A A A A A A	60 BERNA 101 TEUR (1994 BANA 1994 BA	100 10 10 10 10 10 10 1	111.176 122.0000 132.0	
9 1965 West MUNATIAN 1187 IN SEAS MUSTIAN SAB CR S 13666 West MUNATIAN 1187 DI BON MUSTIAN SAB CR S 1865 West MUNATIAN 1187 DI BON MUSTIAN SAB CR S 1865 West MUNATIAN SAB CR				ther presentations Live

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				im 01.04.2024 To 31.03 in at Transmission People of						
			Type of Station	Type of C	ontract	Type of Grid	Point of	包含品种物质		C 100 100 100
No.	Name of Generation Station	Generation Capacity (in MW)	Generation (Based- Solid(Coal, Ugnite)/Liquid/Gas/ Renewable(biomass-	Date of signing of PPA	Duration/Explry Date (in years/ months/ days)	(intra- state/inter- state)	Connection (POC) Loss MU	Voltage Level (at Input)	Remarks (Source of data)	Net Energy Supplied (Mus) FY 2024-25
1	GGSSTP, Roper	840	Coat		A COUNTY OF THE PARTY OF THE PA	Intratstate		220 KV		4120.83
2	GHTP, Lehra Mohabbat	920	Coal	1		Intratstate		220 KV		4452.42
3	GATP, Goindwal Sahib	540	Coal	I .		Intratstate		220 KV		2758.19
4	Shanan	110	Hydro	Own Gen	estion.	Intratstate		132 kV		505.84
5	UBDC	91	Hydro	Dwn Gen	eration	Intratstate		132 kV		336.74
6	MHP	225	Hydro			Intratstate		132 kV		1307.51
7	ASHP	134	Hydro			Intratstate		132 kV		484.90
8	RSPP	452	Hydro			Intratstate		220 KV		1253.84
9	Mini/Micro Hydel	3	Hydro	26-05-2009	16-04-2041	Intratstate		11 KV		3.35
0	Talwandi Sabo TPP	1980	Coal	01.09.2008	24.08.2041	Intratstate		400 KV		10256.84
11	Rajpura TPP	1400	Coal	18.01.2010	09.07.2039	Intratstate		400 KV		9639.06
13	8hakra Share	647	Hydro			Interstate	16.03	220 KV		2294.33
	Dehar Share	410	Hydro	Own Gen	eration	Interstate		400 KV, 220 KV		1131.66
4	Pong Share	85	Hydro			Interstate	2.14	220 KV	1	306.84
5	Bairasiul Satal	84	Hydro	22.03.2022	30.08.2046	Interstate	1.52			242.16
7	Tanakpur	184	Hydro	23.10.2012	31.03.2030	Interstate	2.52			808.74
	Chamera-I	17	Hydro	23.10.2012	31.03.2028	Interstate	0.17			61.73
	Chamera-II	55	Hydro	23.10.2012	30.04.2029	Interstate	0.75	1		199.36
	Chamera-III	30	Hydro	6.12.2011	30.03.2039	Interstate	0.43			161.97
	Uri Uri	18	Hydro	22.03.2022	03.07.2047	Interstate	0.23			97.52
	Uri-II	66	Hydro	23.10.2012	30.05.2032	interstate	1.70			246.84
	Dhauliganga	28	Hydro	22.03.2022	28.02.2049	Interstate	0.70	1		117.42
	Dulhasti		Hydro	6.12.2011	31.10.2040	Interstate	0.29		3	134.01
	Parbeti-III	32	Hydro	9.03.2006	06.04.2042	Interstate	0.74			216.37
	SEWA-II	10	Hydro Hydro	22.03.2022 22.03.2022	06.06.2049	Interstate	0.12	1	3	56.26
	Kishanganga	0	Hydro		23.07.2045	Interstate	0.26		- 3	33.68
	Nathpa ihakri(SIVNL)	152	Hydro	unallocated share	unallocated share	Interstate	0.00	1		27.21
	Rampur	23	Hydro	24.10.2002 14.05.2014	18.5.2039 6.11.2049	Interstate	2.30	- 1		825.20
	TehrilTHDC)	77	Hydro	31.07.2003	08.07.2042	Interstate Interstate	0.35 2.37			135.89 292.82
	Koteshwar(THDC)	25	Hydro	16.02.2008	31.03.2047	Interstate	0.76	- 1		89.56
	DVC RTPS 182	300	Coal	07.11.2006	30.03.2047	Interstate	18.86	1	9	1449.48
	DVC -Durgapur	200	Coal	07.11.2006	04.03.2038	Interstate	9.22	- 1		946.17
	DVC -BYPS	200	Coal	07.11.2006	22.02.2042	Interstate	12.51			1186.67
	Singrauli	200	Coal	31.01.1994	31.10.1997 (In case		14.82			1467.56
	Rhand-I	110	Coal	31.01.1994	PSPCI continue to		8.20			762.76
		110	Com	17.09.1998 with	F3FCL CONCRIDE CO	interstace	0.20	- 1		702.76
7	Rihand-II	102	Coal	amendment signed on	31.03.2031	Interstate	8.12			803.03
	anneste a		8072	29.09.1998			0.11			000,00
	Rihand - IR	83	Coal	23.10.2008	26.03.2039	Interstate	5.05	- 1		624.03
	Anta GPS	0	Gas	31.01.1994	PSPCL has	Interstate	0.00			0.00
	Auraiya GPS	0	Gas	31.01.1994	relinquished its	Interstate	0.00	1		0.00
	Dadri NCGPS	0	Gas	31.01.1994	share from Anta.	Interstate	0.00	- 1		0.00
	Unchaltar4	0	Coal	31.01.1994	Unallocated Power and shall remain operative till allocation of power by Gol.	Interstate	0.00	Dy. O.E.	Lue	2.61





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43	Unchahar-II	60	Coal	29.09.1998	28.02.2025	Interstate	3.55		Concerned	319.23
44	Unchahar-III	17	Coal	02.11.2002	31.12.2031	Interstate	1.05		Cuncimed	86.76
45	Unchahar-IV	0	Coal	16.12.2011	Unallocated Power and shall remain operative till allocation of power by Gol.	Interstate	0.01	1975/2		11.69
46	Jhajjar (JV)	0	Coal	06.05.2013	Unallocated Power and shall remain operative till allocation of power by Gol.	Interstate	0.00	Injected through ISTS		56.61
47	Dadri (Th.)-II	0	Coal	02.11.2002	30.07.2035	Interstate	0.03		1	17.48
48	Koldam HEP	62	Hydro	01.05.2002	17.07.2050	Interstate	0.71			287.70
49	Singrauli SHEP	0	Small Hydro	unallocated share	unallocated share	Interstate	0.00		1	0.27
50	Telangana STPP	1600	Thermal	unallocated share	unallocated share	Interstate	0.00	3		385.76
51	Tanda Stage-II	0	Coal	unallocated share	unallocated share	Interstate	0.00			119.57
52	Meja	48	Coal	29.12.2010	29.04.2044	Interstate	2.83			252.75
53	Kahal gaon-II (ER)	120	Coall	02.11.2002 (supplementary agreement for capacity enhancement signed on 07.10.2003)	19.03.2035	Interstate	9.10			815.97
54	NAPP	51	Nuclear	29.08.2023	27.08.2038	Interstate	3.43			409.26
55	RAPP-B	100	Nuclear	29.08.2023	27.08.2038	Interstate	6.90			515.25
56	RAPP-C	46	Nuclear	25.08.2023	24.08.2038	Interstate	2.65			400.18
57	PTC Tala	30	Hydro	38986	51713	Interstate	0.00			22.89
58	Pragati-III(Bawana)CCGT	137	Gas	24.09.2008	26.03.2029	Interstate	1.70			171.21
59	MALANA-2 (PTC)	88	Hydro	38799	55712	Interstate	0.00		L	149.49
60	KARCHAM (PTC)	200	Hydro	01.09.2006	13.09.2046	Interstate	2.33		L	845.95
61	SASAN Ultra Mega Project	594	Coal	07.08.2007	27.03.2040	Interstate	41.01		L	4200.38
62	MUNDRA_UMPP	519	Coal	22.04.2007	22.03.2038	Interstate	29.47		1	2512.88
63	Ramagundam STPS: Stage-1 & 2	2100	Thermal	unallocated share	unallocated share	Interstate	0.00		1	23.95
64	Ramagundam STPS: Stage-3	500	Thermal	unallocated share	unallocated share	Interstate	0.00		-	7.45
65	Talcher STPS: Stage-2	2000	Thermal	unallocated share	unallocated share	Interstate	0.00		-	14.15
66	Simhadri :Stage-2	1000	Thermal	unallocated share	unaflocated share	Interstate	0.00		-	5.98
67	Kudgi STPS	2400	Thermal	unallocated share	unallocated share	Interstate	0.00		1	26.01
68	Vallur TPS	1500	Thermal	unallocated share	unallocated share	Interstate	0.00		-	13.55
69	NLC TPS-II: Stage-1	580	Thermal	unallocated share	unallocated share	Interstate	0.00		-	4.46
70	NLC TPS-II: Stage-2	790	Thermal	unallocated share	unallocated share	Interstate	0.00		9	7.31
71	NLC TPS-I: Expansion	420	Thermal	unallocated share	unallocated share	Interstate	0.00	•		9,37
72	NLC TPS-II: Expansion	500	Thermal	unallocated share	unallocated share	Interstate	0.00			2.33
73	NNTPS	934	Thermal	unallocated share	unallocated share	Interstate	0.00		-	0.71
74	NTPL: Tuticorin	1000	Thermal	unallocated share	unallocated share	Interstate	0.00			14.16
75	NPCIL MAPS Kalpakam	440	Nuclear	unallocated share	unallocated share	Interstate	0.00		-	
76	NPCIL KAIGA GS: Stage-1 & 2	440	Nuclear	unallocated share	unallocated share	Interstate				10.82
77	NPCIL KAIGA GS: Stage-3 & 4	440	Nuclear	unallocated share	unallocated share	Interstate	0.00		A	12.15
78	NPCIL KKNNP	1000	Nuclear	unallocated share	unallocated share	Interstate	0.00		the	8.99

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VRSL POV				Evacuation Voltage Levels	upplied (in MUs)	Short Term/	Total FY 202
St.No.	Name of Project	Inst.Cup. (MW)	Contracted Capacity (MW)	(KV)	Grid Attached	Long Term	25
- 2	Source						
A	il Solar (intrastate)						
1	Abundant Energy Pvt. Ltd. Plant I	2	2.00	11	66 KV S/Stn. Narlai	Long Term	2.650
2	Abundant Energy Pvt. Ltd. Plant-II	1	1.00	11	66 KV S/Stn. Narlai	Long Term	1.173
3	Acme Solar Rostino system pvt. Ltd. Jhunir	15	15.00	66	66KV S/Stn. Danewala	Long Term	21.618
	Acme Solar Rooftop system pvt. Ltd. Nangla,Talwandi Sahib	15	15 00	66	66 KV 5/Stn. Nangla	Long Term	21.802
5	Adtya Medisales Ltd. Lalpur, Hoshiarpur	4	4.00	66	66 KV Janauri	Long Term	5.535
-	Altanz Economic Pvt. Ltd. Booarai Kalan, Ludhiana	2	2.00	11	66 KV 5/Stn. Alke	Long Term	2.716
•	Albaniz Ecopower PVI. Ltd., Boparai Ralian, Ludniana		200	- 11	DO N.W. SYSTIC WINC	PRINT LEGISL	
7	Aster Solar Power Pvt. Ltd., Jhunir, Mansa	1	1.00	11	220 KV S/Stri. Jhunir	Long Term	1.497
8	Atma Powers Pvt. Ltd., Lakhewali, Mukatsar	2	2.00	11	66 KV S/s Lakhewali	Long Term	2.797
9	Azure Power Makemake Pvt. Ltd., Bhitmwala	4	4.00	66	66 KV S/Stn. Bhittiwala	Long Term	5.800
10	Azure Power Makemake Pvt. Ltd., Kilianwali	24	24.00	64	66 KV S/Stn. Ellianwali	Long Term	36.368
11	Azure Power Pluto Pvf. Ltd. Bahadurgarh Janda-1	25	25.00	66	66 KV Pegri	Long Term	34.522
12	Azure Power Pluto Pvt. Ltd. Bahadurgam Janda-1 Azure Power Pluto Pvt. Ltd. Bahadurgam Janda-2	25	25.00	66	66 KV Tharajwala	Long Term	35.363
12	Azure Power Pluto PVI. Ltd. Banadurgain Janoia-2				66 KV Banwala	The second second	
13	Azure Power Pluto Pvt. Ltd. Korianwali	25	25.00	66	Hanuwanta	Long Term	35.447
14	Azure Power Pluto Pvt. Ltd., Badal	15	15.00	66	132 KV Badal	Long Term	22.238
15	Azure Power Pluto Pvt. Ltd., Bahadurkheta	25	25.00	44	66 KV Malookpura	Long Term	37.329
16	Azure Power Pluto Pvt. Ltd. Bhitswala	10	10.00	66	65 KV Bhittiwala	Long Term	15.461
17	Azure Power Pluto Pvt. Ltd. Vanwalia	25	25.00	66	66 KV Venwala Anuka	Long Term	36.762
18	Azure Renewable Energy Put. Ltd., PSAMB, Mansa	0.63	0.63	11	66 KV Anaj Mandi Mansa	Long Term	0.605
19	Azure Renewable Energy Pvt. Ltd. Bhagwant singh & Kulwinder kaur, Kotta Fazal	0.55	0.55	11	66 KV Attewali	Long Term	0.000
20	Azure Renewable Energy Pvt. Ltd., Anti Singla Warehouse, Wukatsar	0.801	0.801	11	66 KV Attewals	Long Term	fi 000
21	Azure Renewable Energy Put Lld., Vikas Single Warehouse, Jodhpur Ramana, Bathinda	0.503	0.503	11	66 KV Badalı Ala Singh	Long Term	0.000
22	Azure Renewable Energy Pvt. Ltd. Boss Computers Ltd. Zrakpur	1.25	125	11	66 KV Bhabat	Long Term	1.173
23	Azure Renewable Energy Pvt. Ltd., CA Veg Fruits, Kharar	0.599	0.599	- 11	66 KV Gharsan	Long Term	0.599
24	Azure Renewable Energy Pvt. Ltd., Canam Cons Morinda	1.00	160	11	66 KV Hargana	Long Term	1.598
25	Azure Renewatile Energy Pvl. Ltd. PSAMB, Ludhiana	0.76	0.76	11	66 KV Nurewal	Long Term	0.305
26	Azure Renewable Energy Pvt. Ltd s. PSAMB, Mohali	206	2.05	11	66 KY. Ph. 9, Indl. Area, Distt SAS Nager	Long Term	. 2.201
27	Azure Renewable Energy Pvt. Ltd., Skyross, sangrur	1.26	120	11	66 KV Nadampur	Long Tenm	1.246
28	Azure Lina Pvt. Ltd. 15 MW (Tahiwal lattan). Project-I	15	15.00	56	66 KV Arniwala	Long Term	16.482
29	Azure Urja Pvt. Ltd., 15 MW (SAhwara / Punjara). Project-II	15	15.00	66	66 KV Sikhwala	Long Term	20.435
30	Azure Uria Pvt. Ltd. 4 MW/Skhwala / Puniwaii. Project-III	4	4.00	- 66	66 KV Sikhwala	Long Term	5.525
31	Bhanuenergy Industrial Development Ltd. (BIDL)	15	15.00	66	66 EV Alke	Long Term	21.960
32	Bhanuenergy Infrastructure Pvt. Ltd. (BIPL)	15	15.00	66	66 KV Alike	Long Term	22.122
33	Canal Solar Energy Pvt. Ltd	7.5	7.50	65	lewellA VXB3	Long Term	7.322
34	Cartil Energy Pvt. Ltd. Bhagsar, Mukatsar	1.5	1.50	11	66 KV S/s Bhagsar	Long Term	1 809
34		1.5	1.00	11	66 KV Kot shamir	Long Term	1.557
36	Continental Engineering & Power Pvt. Ltd Earth Solar Pvt. Ltd. Senbalbur. Nathle		4.00	66	66 KV Kot shamir 66 KV S/Stn. Shadson	Long Term	4.735
37	Enterprise Business Solutions PvI Ltd. Sahiba - Shadhra SBS Natar		1.50	11	66KV S/Stn. Karawar	Long Term	0.611

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38	Eccenergy Inc. Boparai kalan Ludhiana	1	1.00	11	66KV S/Stn. Sudhar	Long Term	0.602
39	Focal Energy Solar India Pvt Ltd. Nangla, Bathinda	4	4 00	66	66 KV S/Stn. Nangle	Long Term	6.017
40	G S Atwal & Co (Engineers) Pvt Ltd. Bhuthwal Mukatsar	1.5	1.5	11	66KV S/San. Bhuttiwala	Long Term	1.418
41	IK Energy Pvt Ltd. Lathan Kalan, Jalandhar	1	1	- 11	66 KV Chitti	Long Term	1.160
42	International Switchgears Pvl. Ltd. Ph-I, Raindas, Amitsar	-	1	11	66 KV 5/Stn. Ramdas	Long Term	0.991
		,		11	66 KV 5/Stn. Ramdas	Long Term	1.005
43	International Switchgears Pvl. Ltd. Ph-II, Ramdas, Amirtaar					-	1.354
44	JSSK Energy Pvt. Ltd.	1:	1.00	11	66 KV 5/Stn. Bhagsar	Long Term	2.857
45	Madhay Solar Pvt. Ltd-I, Boha, Mensa	2	2.00	11	86 KV S/Stn. Boha	Long Term	2.944
46	Madhay Solar Pyt. Ltd-II. Boha, mansa	2	2.00	- 11	E6 KV 5/5tn, Boha	Long Term	
47	Magnet Buildtech Pvt. Ltd -I, Sherkawala	25	25.00	66	66 KV Boha	Long Term	37.13
48	Magnet Buildtech Pvt. Ltd-II, Toderpur	25	25.00	66	66 KV Boha	Long Term	37.89
49	Magnificent Power Pvt. Ltd.	1	1.00	11	220 KV S/S shunir	Long Term	1.425
50	Mihit Solar Power Pvt. Ltd. Jhandakalan	24	24.00	16	66 KV Sardulgarh	Long Term	34.75
51	Mihit Solar Power Pvt Ltd. Khera khurad	. 25	25 00	66	66 KV S/Stn. Sardulaarh	Long Term	37.12
52	Mitri Solar Power Pvt Ltd. Mankhora	25	25	66	66 KV S/Stn. Sangha	Long Term	38.41
		4		66	66 KV S/Stn. Boha	Long Term	5.835
53	Mokia Green Energy Pvt Ltd., Bopara Kalan, Ludhiana	20	25	- 66	66 KV S/Stn. Balran	Long Term	38.11
54	Mytrah Aadhya Power Pvt. Ltd. Bairan	25	25	66	66 KV Datewas	Long Term	38.01
55	Mytrah Aadhya Power Pvt. LtdBareta	1	1	11	220 KV Jhunir	Long Term	1.501
56	Nextgen Solux Power Pvt. Ltd. , Jhunir, Mansa-II		- 1	11	SSKV Alike	Long Term	1.534
57	Nextgen Solux Power Pvt Ltd., Mirpurkalan, Mansa-I	1			66KV Pathrala	Long Term	5.95
58	Northstar Solar Power Pvt. Ltd., Pathrala, Bathinda	4	4	66	66 KV S/Stn. Bareta	Long Term	4.43
59	Oasis Green Pvt. Ltd.	3	3	66		rong renm	4.43
60	Omega infraenginaers Pvt. Ltd.	1.	1	11	66 KV 5/5th Chauneala	Long Term	1.21
61	Omoga Solar Projects Pvt. Ltd., Sangatpur, Lehragara	10	10.00	66	E6KV Ganduan	Long Term	13.79
62	PGL Kharkar Kalan SPV	0.2	9.29	11	220 KV Banga	Long Term	0.226
63	Phulakhen PEDA SPV	1	1.00	11	66KV Rama Mandi	Long Term	1.16
64	Photon Sunbeam Pvt. LtdI	15	15 00	66	66 KV 5/Stn. Ramamandi	Long Term	20.47
65	Photon Sunbeam Pvt. LtdII	25	25 00	66	220 KV 5/Stn. Talwardi Sabo	Long Term	33.49
66	PN Clean Energy Ltd., Lekhmirwala, Mansa	20	20.00	66	66 KV S/Stn. Ket Dharms	Long Term	29.23
00	Pre-Circle Energy Co., Continuous, Parist				66 KV 5/Stn Tahliyan,		
67	PN Renewable Energy Ltd, Barre, Mansa	10	10.00	66	Boha	Long Term	14.17
68	Prayatna Developers Pvt. LtdI. Sandargarh	50	50.00	132	132 XV S/Stn. Ballyana	Larg Term	• 83.16
69	Prayatna Covolopers Pvt. Ltd. if Chughakalan	50	50.00	132	132 KV S/Stn. Balluana	Long Term	82.97
70	Purshotam industries Ltd., Vill. Bajak, Bathinda	3	300	56	66 KV S/Stn Nandgarh	Long Ferm	4.43
71	Radient Solar Energies Pvs. Ltd.	3	300	66	66 KV S/Stn.Pathrala	Long Term	4.49
			12.00		132KV S/Stn. Beas	Long Term	15.68
72	RSSB Educational & Environmental Society, Beas (New)	12		132		Long Term	8.52
73	RSSB Educational & Environmental Society . Beas (Cld)	7.52	7.52	132	132XV Beas	rong ream	8.52
74	SAM SOLAR Pvt. Ltd. Doraha, Canal top	2.5	2 50	11	66 KV S/Stn. Doburji	Long Term	3.16
75	SAM SOLAR Pvs. Ltd.Nidempur, Sengtur	25	2.50	11	66 KV 5/Scn. Nidampur	Long Term	2.17
76	Solaredirect Projects India Pvl. Ltd., Dharangwala, Fazilka	20	20 00	66	GE KV S/Sto Retta	Long Term	31,2

P.S.P.C.L., Patials

	Total Cogen Bagasse+Biomass	213.65	143.04	-	0.5	1	398.70
	Total Co-Gen Biomass	51.65	23,50		1	-	50.597
5	Mis OM Sons Marketing Pvt. Ltd. Total Co-Gen Biomass	9.00	3.00 23.50	- 11	66 KV Saagat Kalan	Long Term	18.592
5	Shree Ganesh Edibles Pvt. Ltd. (New PPA)	15	400	66	66 KV Badinour	Long Term	5.447
	N V. Distillaries & Breweries Pvt. Ltd.	10	6.00	56	66 KV Dharamgarh	Long Term	14.287
3	Chandigarh Distillers & Bottlers Ltd. (3.9 MW)	3.9	2.50	66	66 KV Banur	Long Term	4,008
	Chandigarh Distillurs & Bottons Ltd (8.25 MW)	F 25	5.00	55	86 KV Barur	Linear Term	3.118
	A.B. Grains Spints. Put Ltd.	5.5	3.00	66	56 RV Rajos	Long Term	4.746
5	Biomass (Co-gen)						0.000
							0.000
	Total co-gen Bagasse	162	119.54				348.10
7	The Bhospur Co-op Sugar Mrs Ltd.	15	8.54	66		Long Term	45.03E
5	Wahid Sandhar Sugars Ltd.	12	7.60	33		Long Terms	17.363
5	Rana Sugars Ltd (34MW)	34	20.00	66	66 KV Sethala	Long Term	22.764
	Nawanshahar Power Pvt. Ltd.	15	13.50	66	132 KV Nawanshahr	Long Term	18.140
2	Indian Sucrose Ltd		30.00	66	132 KV Uchi Basi	Long Term	111.35
_	Chedha Sugars & Ind Ltd	23	20.50	66	65 KV 55, Rojca	Long Term	61.676
	A B. Sugars Ltd	23	20 00	66	66 KV Sethalla	Long Term	67.775
_	Bagasse (Co-gen)		20.00		-		0.000
_	Co Generation				-		0.000
_					-		0.000
_	Total Solar (i+ ii)	951.22	991.22				1479.83
							0.000
	Total ii)	67.00	67.00				109.72
1	SECI Solar	99.90	30.00		Outside Punjab	Long Term	57,438
	Bundled NVVNL (solar only)	37.00	37.00			Long Term	52.292
	ii) Solar ('nterstate)						0.000
							0.000
	i) Total Sciar (Intrastate)	884.22	884.22				1370.0
2	PEDA 4WW Solar						4.456
1	SAEL Solar Solutions Pvt. Ltd.			0-17			81.23
0	Waterian Solar Purjab Ltd IV, Tiona pajarian.	4	4.00	66	66 KV S/Stn. Jaga Ram Tirsh	Long Term	5.340
9	Walwhan Solar Punjab LtdIII. Jagaram Tirath	2	2.00	11	Tirath	Long Term	2.765
*	Walwhan Solar Punjab Lld -II, Jagaram Brath,	10	10.00	66	Tirath 66 KV 5/5tn. Jaga Ram	Long Term	13.95
	Walwhan Solar Punjab LtdI, Tiena pujarian,				Firsth 66 KV S/Stn. Jaga Ram	-	
7		20	20.00	66	Nandgarh 66 KV S/Stn. Jaga Ram	Long Term	27.55
8	Vivaan Solar Pvt. Ltd., Bajak Bathinda	2	2.00	11	66 KV S/Stn.	Long Term	3.001
ıs	Vijay Printing Press Pvt. Ltd. Ghagar branch canal (Rooptop)	7.5	7.50	66	66KV Bhattiwal	tong Term	8 900
14	Vector Green Surya Urja Pvt. Ltd., Gamiwala, Boha, Mansa	29	20.00	66	66 KV S/Stn. Gamiwala, Boha	Long Term	30.75
13	Vector Green Sunshine Pvt. Ltd., Gantiwala Boha	20	20.00	66	66 KV S/Stn. Gamiwala, Boha	Long Term	31.35
12	T R Energy & Agro Pvt. Ltd., Vil. Pathrala, Fazika II	1	1.00	- 11	66 KV Pathrala	Long Term	1.60
11	T R Energy & Agro Pvt Ltd., Janowala Mirsangia, Fazika	2	2.00	11	66 KV Kheowali Dhab	Long Term	2.91
10	Sovos Renewables Pvt. Ltd. Mehandipur	1	1.00	11	66KV S/Sen. Kethgarh, Tehsil Baluchaur	Long Term	0.67
		1		11	66KV Nangal	Long Term	0.83
78	Solare Urja Pvr Ltd. Soma Enterprises Ltd. Khera Kalimout	25	2500	66	66 KV S/Stn. Khaian Sarwar	Long Term	37.56



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C	Biomass/IPP						0.000
1	Dee Development Engineers Pvt. Ltd	0		66	66 KV Kattienwali, Malost	Long Term	56.234
2	Green Planet Energy Pvt. Ltd., BirPind	- 6	6	66	66 KV SS Mehatpur	Long Term	31.414
3	Green Planet Energy Pvt. Ltd., Sinjon (Rankine cycle)	6	6	66	33/ 66 KV Paldi (Kot Fatuhi)	Long Term	25.034
4	Malwa Power PvLLtd	6	6	66	66 KV Lubaniawali, Sri Muktoar Sahib	Long Term	15.689
5	Green Planet Energy Pvt. Ltd., Maruke	6	6	66	66KV S/S Samadh Bhai	Long Term	50.641
6	Sukhbir Agro Energy Ltd (Ferozepur)	18	18	132	132 KV Ferozshah	Long Term	140.584
7	Sukhbir Agro Energy Ltd. (Jaito)	18	18	66	220 KV Bajakhana	Long Term	136.519
8	Universal Biomass Energy Pvt. Ltd	14.5	14.5	132	132 KV Gidderbaha	Long Term	84.624
9	Viaton Energy Pvt. Ltd.	19.00	10,00	66	66 KV Mansa	Long Yerm	44.272
10	SAEL Ltd (Jaikheri)	10	10.00	66	66 KV Tohra	Long Term	53.930
10	Total Biomass/IPP	102.5	102 50			1	538.939
_	Total Deliassir-P						0.000
D	Waste to energy						0.000
	Halbowal Biomethanation LDH	1	1.00	11	66 KV Kitchlunggar, Ludhiana	Long Yerm	-1.200
1		-, -	1.00		Lugniane	LLING FEITH	-1.200
	Total Waste to energy	1	1.00				0.000
_		-				-	0.000
E	Biogas					-	
1	Green Planet Energy Pvt. Ltd, Binjon export (ootto cycle)	4	4.00	66	66 KV 55 Mehatpur	Long Term	2.295
2	Sampuran Agri Ventures Ltd	1	0.70	11	66 KV Fazilka	Long Term	0.220
-	Total Biogas	5	4.70				2.515
	Total program						0.000
F	Mini Hydel						0.000
a	Agua Power Plant Ltd.						0.000
н	Added Power Pries Lid.	-			66 KV S/Stn. Mehal	100000000000000000000000000000000000000	
1	Chakbhai MHP	2	2.00	11	Kalan	Long Term	9.475
2	Longarin	2	2.00	11	66 KV S/Stn. Kutha	Long Term	7.934
3	Sidhana	1.2	1.20	11	66 KV Phul	Long Term	6.036
3	Agua Power Plant Ltd. Total	5.2	5.20				23.446
-	India Louis Cia. Louis		7187				0.000
b	Abohar Power Generation Pvt. Ltd.	-					0.000
_	Ghola MHP	0.6	0.60	11	132 KV S/Stn. Gholia Kalan	Long Term	2.886
1_	Channuse MHP	0.9	0.90	11	E6 KV S/Ste, Mari	Long Term	3.495
2	Crantono arri				Mustafa		
3	Akhara MHP	13	1.10	11	66 KV S/Stn. Agwar Lopon	Long Term	4.583
4	Khanpur	1,10	1,10	11	132 KV S/Stn. Billaspur	Long Term	5.075
5	Sudhar	1.40	1.40	11	66 KV 5/Stn. Sudhar	Long Term	5.033
	Abohar Power Generation TOTAL	5.3	5.30				21.072
	The state of the s						0.000
e	Kotla Hydro Ltd						0.000
1	Babanau MHP	1.25	1.25	11	66 KV Dhun	Long Term	1.791
2	Killa	1,75	1,75	11	66 KV Rangian	Long Term	10.149
3	Sahoke	12	1.20	11	66 KV Ashpal Kalan	Long Term	5.868
	Kolla Hydro Ltd Total	4.2	4 20				17,808
	noise tryate cas rous						0.000
d	Purjab Hydro Ltd.						0.000
-Q						Interim	-
1	Dolowal MHP	1.4	1.40	11	66 KV S/Stn. Ligisal 66 KV S/Stn	Arrangment	6,036
2	Salar MHP	1.5	1.50	11	56 KV S/Stn	Interim Arrango	6.185

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3	Bhanubura MHP	1.3	1.30	31	66 KV 5/5tn	Interim Arranga	6.30
	Punjab Hydro Ltd. Total	4.20	4.20		Sharubhura	Interior Arranga	18.52
					-	-	0.00
	Individual hydel Plant					-	0.00
1	Attantic Power Pvt. Ltd (Phopla)	0.60	0.60	11	66 KV Nathana	Long Term	2.38
2	Atlantic Power Pvt. Ltd. (Nakkian))	8.30	0.30	11	132 KV Nakkian	Long Ferm	0.80
3	Atlantic Power Pvt. Ltd. (Terkiana)	0.65	0.65	11	66 KV Bhattiyaan	Long Term	1.55
4	Atlantic Power Pvt. Ltd. (Terkiana) PSPCL Free energy share	0.00	0.00	11	00 ky thattysan	Long Term	0.66
	Gill Aqua Hydro Power Generation Co. Pvt. Ltd. MBL-II	6.00	6.00	66	56 KV S/Stn Ranipur	-	9.66
6	Gill Aqua Hydro Power Generation Co. Pvt. Ltd. MBL-III	3.80	3.90	66	66 KV 5/5tn Raninus	Long Term	5.50
,	Gil Power Geneartion Co. (P) Ltd.	2.70	2.70	11	220 KV S/Sto Tibbur	Long Term	7.45
	Himalayan Ronewable Energy Pvt Ltd	0.60	0.60	11			-
8	The state of the s	0.00	0.50	11	66 KV S/Stn. Tallewal	Long Term	4.41
9	Kota Renewables Pvt. Ltd. Daydhar	1.50	1.50	11	220 KV S/SIR. Badhan Kalan	Long Team	5.23
10	Kotta Renewables Pvt Ltd. Nidampur	0.60	0.80	n	66 EV S/Stn. Nidamour	Long Term	1.938
11	Kotta Renewables Pvt. Ltd. Thuhi	0.60	0.80	11	66 KV S/Stn. Bharo	Long Term	2.866
12	Majha Canal Hydro Project Pvt Ltd Udhanwal	045	0.65	п	56 KV S/Stn. Udhanwal	Long Term	1.064
13	P & R Gurdetiwala Hydro Power Pv1 Ltd	2.00	2.00	11	66 KV Mallanwala	Long Term	8.916
14	Preetex Power Pvt. Ltd. (Tugalwal)	0.85	0.85	11	66 KV Harchowal	Long Term	1.930
15	Sam India Hydro Power Pvt. Ltd	1.20	1.20	11	132 KV 5/5th. Bilaspur	Long Termi	3.330
16	Sidhwan Hydro Power Pvt. Ltd.	0.70	0.70	11	66 KV Modeltown, Est Luthrana	Long Term	1.637
17	SKR Hydro Power Generators Pvt. Ltd.	040	0.40	11	66 KV S/Stn MES Bathinda	Long Term	0.830
0	UBDC Hydro Company	260	2 00	31	66 XV S/Stn Ror Khera	Long Term	8.469
6	Preetek Power Pvt. Ltd. (Kalabal)	0.60	0.60	11	Bhagewai 0	Long Term	2.041
0	Hydro Energy & Infrastructure	0.25	0.25	11	66KV S/STN. Dhadran		1.243
1	Salasar Hydro Urja Pvt. Ltd.	1.5	1.50		1-1	Long Term	
-	Individual Hydel Total	28.1	28 10	- 11	Longarh Thakran	Long Term	7.861
-		40.	28 10	-	-		80.906
,	Punjab Genco Ltd.	_					0.000
1	Narangwal MHP	150	150	11	66 KV Narangwal		0.000
	Dalla MHP	100	100	11		Long Term	5.815
3	Tugal MHP	150	150	111	66 KV Sudhar	Long Term	4.513
4	Chupki MHP	1.50	1.50	11	66 KV Alamgir	Long Terra	5.807
5	Khatra MHP	1.00	1.00	11	66 KV Star		4.64)
5	Kangariwai MHP	1.20	1.30	31	66 KV Sandhour	Long Term	5.406
7	Bowani MHP	1.80	1.00	11	132 KV fillisper	Long Term	3.773
	Jagers MHP	1.00	1.00	11		Long Term	4.802
	Total PGL	0.0	9.80		See the michigagem	maring reports	39.827
	Total Mini Hydel	56.6	56.80				201 588
3	Wind Power						0.000
-	SECI Wind Power (150 MW)						0.000
2	SECI Wind Power (150 MW) SECI Wind Power (200 MW)	150	150.00			Lang Term	399.43
-	SEGI Wind Power (200 MW) Total Wind Power	200	200.00		Outside Punjab	Long Term	513.70
-	I Chai Wing POWE	350	350.00				913.13
-					4		0.000
-	SECI Hybrid Power			- V	U,		0.000
-				· ()ev	/-		0.000
	SECI 500 MW Hybrid Power PSA (Solar)	400	400,00	Dy CE./D.S.	Outside Puniab	Long Term	1400.261

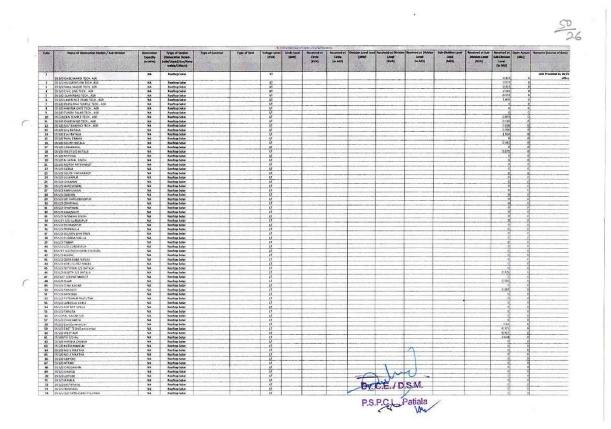
P.S.P.C.L. Patiala



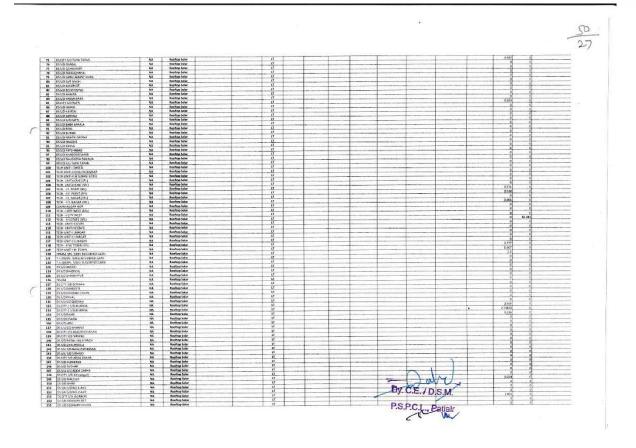


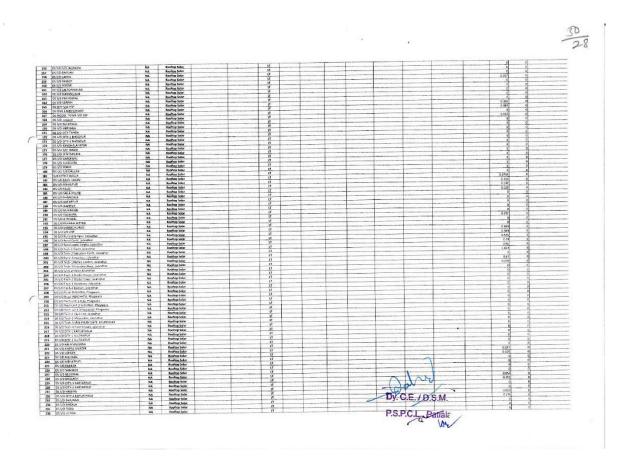
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1	SECI 500 MW Hybrid Power PSA (Wind)	100	100.00		Outside Pursiab	Long Term	340.931
							0.000
	NHPC 300 MW Solar	300	300.00		Outside Funjab	Long Term	741.916
_							0.000
	2% Energy Injection by OA Consumers in lieu of Transmission & Wheeling Charges						0.000
	Winsome Yarms Non Solar						0.153
	Nahar Industrial Enterprises Ltd. Non Solar						0.268
	Mohan Dai Oswal Cancer Treatment & Reserch Foundation Ludhiana. Solar						0.001
	Total 2% Energy Injection by OA Consumers						0.423
_							0.000
	Own Hydel						0.000
_	Micro Hydel						0.000
_	RoAti	0.8	0.8	11			0.000
_	Rosar	1.7	1.7	11			3.350
_	Total Micro Hydel	2.5	2.5				3.350
	UBDC Stage I&II	91.35	91.35	132			336.740
_	Mukerian MHP-5	18	18.00	132			307.451
_	Total Own Hydel	111.85	111.85				447.541
							0.000
							0.090
	SOLAR					-	0.000
_	Solar Intra state	854.22	884.22				1370.090
_	Bundled (Solar)	37	37.00				52.292
	SECI Solar	30.00	30.00				57,436
	SECI Hybrid Solar	400,00	400.00				1400 263
_	NHPC Solar	300.00	300.00				741.916
	Solar (2% Injection in lieu of Transmission Charges)						0.001
_	Votal Solar	1651.22	1651.22			-	3621.999
_						-	0.000
_	NON SOLAR						0.000
_	NON SOLAR (HYDEL)	164.65	168.65			-	649.128
_	NON SOLAR (WIND)	350,00	350.00			-	913.137
_	NON SOLAR (OTHERS)	322.15	251.24				1038.959
	Non Solar (2% Injection in lieu of Transmission Charges)	No. of the last of					0.422
-	SECI Hybrid Wind	100.00	100.00				340.931
-	Total Non Solar	941	870				2942.577
-							0.000
							0.000
	Total for Long Term and Short Term RE Power	2592.02	2521.31		-		6564.576
_		133.22					0.000
_	Bundled NVVNL Coal	37.00	37.00		Outside Purgati	Long Term	243.613
-	Total Bundled NVVNL (Coal+ Solar)	74,00	74.00				295.906
		100000					0.000
_						h	0.000
	NRSE Power Purchase Within Punjab					1	0.000
	At 11 KV		103.40				266.855
	At 33 KV		7.00		1		17.363
			929.84		01.		1910.860
	At 66 KV		480.00	T-100	1		415.558
_	At 132 KV and above	0	152.02		SELIDS!		2610.637

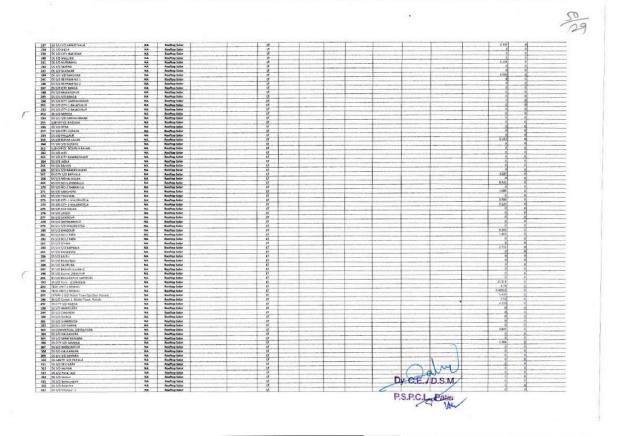


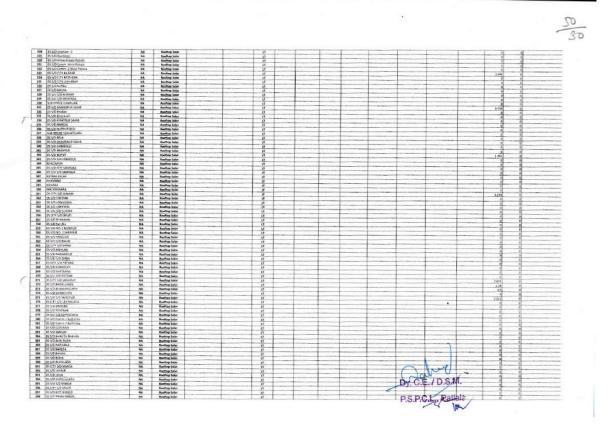




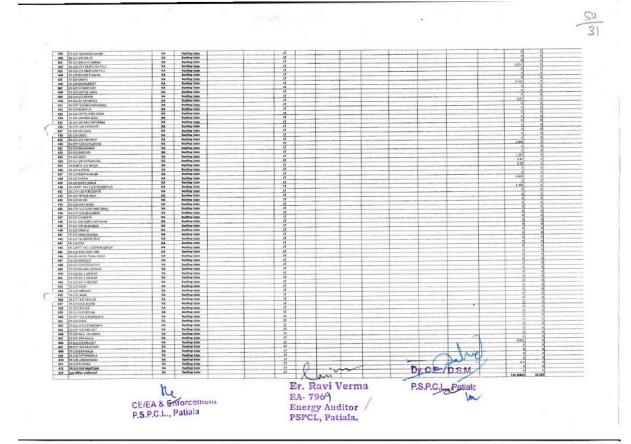












260			of Consumers)		and the same of	
			ary of Energy	A NEW TO		
		Period From 01	.04.2024 To \$1.0	3.2025		
5.No	Type of Consumers	Category of Consumers (EHT/HT/LT/Others)	Voltage Level (In Voltage)	No of Consumers	Total Consumption (In MU)	Remarks (Source of data)
1			400/220/66/33	A TOTAL OF		1
	Domestic	EHT/HT/LT	/11/LT	8151272	20124.980	
2	Commercial	EHT/HT/LT	400/220/66/11 /LT	1297737	5226.749	
3	IP Sets		3/47	MI COLLEGE	STATE OF THE STATE	
4		NA	NA	1000000	A COLOR	
5	Hor. & Nur. & Coffee/Tea & Rubber (Flat)	NA	NA		1 1000000000000000000000000000000000000	the state of the s
6	Heating and Motive Power	NA	NA	AL PHOLOGO .	1 1000000000000000000000000000000000000	
7	Water Supply			16026		Consumption taken in Category in which it falls.
8		LT	LT	6013	150.763	
9	HT Water Supply			227	AL THE RES	Consumption taken in Category in which it falls.
10	HT Industrial	EHT/HT/LT	400/132/66/11	16377	20294.553	
11	Industrial (Small)			97993	1126.776	
12	Industrial (Medium)	300000	MISSISSISSISSISSISSISSISSISSISSISSISSISS	30537	2577.180	•
13	CARROLL STATE OF THE STATE OF T	EHT/HT/LT	/11/LT		1661	
14	Applicable to Government Hospitals & Hospitals		Street Accorde	WANT TO	CENTRAL TOTAL	
15	Lift Irrigation Schemes/Lift Irrigation Societies			0.00	199	
16	HT Res. Apartments Applicable to all areas		WEEK STOP	75 - 27		
17	Mixed Load		ANTO PERSON	10.3	SAME TO SERVICE AND ADDRESS.	
18	Government offices and department					
19	Others-1 (if any , specify in remarks)	Agricultral power	LT	1392176	14967.023	
20	Others-2 (if any , specify in remarks)	Railway Traction	400/132	8	89.361	
21	Others-3 (if any , specify in remarks)	Bulk Supply	LT/11/33	546	729.464	
22	Others-4 (if any , specify in remarks)	others(AP High Technology, Waste management & charitable hospitals)		52		Consumption taken in Category in which it falls.
23	Theft Units, Short Assesment, Unbilled Revenue(Eq.Units)				255.56	7
24	Misc. Sale adjustment to match with planning(Temporary, night Supply, Non Operation sale	lair	~		-93.00	July
	Hara a same and the same and th	Er. Ravi V	erma _{total}	11008964	65449.41	Dy. C.F. In S.A.
(CEIEA & Enforcement P.S.P.C.L., Patiala	EA- 7969 Energy Aud PSPCL, Pati	itor /			P.S.P.C.

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> Er. Ravi Verma EA- 796 9 Energy Auditor PSPCL, Patiala.

Dy. C.E. / D.S.M.
P.S.P.C. patials

Sr. No.	Zone	Circle	Division	Total No. of DTs installed	No. of DTs where AMR Meters installed	No. of DTs where Non AMR Meters installed	No. of unmetered DTs	No. of DTs with functional meters
1			City Batala	7620	472	111	7037	583
2			Sub Batala	13909	231	61	13617	292
3	6		Qadian	12804	185	91	12528	276
4		Gurdaspur	Dhariwal	8149	118	43	7988	161
5		Gurdaspur	Gurdaspur	9536	278	133	9125	411
6			City Pathankot	5422	390	168	4864	558
7			Sub Pathankot	5129	412	203	4514	615
			Total	62569	2086	810	59673	2896
8			EAST	3871	310	216	3345	47
9			WEST	12673	0	42	12631	41
10		Sub Ass	SUBURBAN	18090	85	40	17965	120
11		Sub Asr	AJNALA	20867	178	109	20580	178
12	BORDER		JANDIALA	10449	152	37	10260	132
	ZONE		Total	65950	725	444	64781	518
13			Ind	681	223	0	458	20
14			CL	881	520	0	361	212
15		City Asr	CC	1173	109	0	1064	23
16			HG	491	281	0	210	53
			Total	3226	1133	0	2093	308
17	-		Rayya	16057	40	0	16017	40
18			City TT	15665	162	0	15503	162
19			SUB TT	13079	0	63	13016	63
20		Tarn Taran	PATTI	19563	0	98	19465	98
21			Bhikhiwind	20054	0	0	20054	0
			Total	84418	202	161	84055	363

Dy. C.E. / D.S.M.
F. S.P.C.L. Patiella





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22			City Centre	666	355	152	159	475
23			СМС	1352	724	158	470	325
24		East	Focal Point	3735	2448	1079	208	2117
25			Sunder Nagar	3721	1673	856	1192	1340
			Total	9474	5200	2245	2029	4257
26			City West	2306	258	1062	986	4
27			Estate	4633	1008	1391	2234	5
28		West	Model Town	1680	74	1319	287	1
29		west	Janta Nagar	1158	48	231	879	. 0
30			Aggar Nagar	2359	0	1172	1187	0
			Total	12136	1388	5175	5573	10
31	CENTRAL		Sub Urban Ldh	6571	0	21	6550	2
32	ZONE		Adda Dakha	6816	137	12	6667	137
33		Cod Habara Lab	Jagraon	8561	374	12	8175	0
34		Sub Urban Ldh	Raikot	12101	250	14	11837	0
35			Ahmedgarh	6137	218	36	5883	218
			Total	40186	979	95	39112	357
36			Khanna	9270	570	485	8215	115
37			Doraha	5678	163	162	5353	44
38		Khanna	MGG	1991	0	855	1136	0
39		Knanna	Amloh	11538	0	124	11414	0
40	1		Sirhind	15935	409	14	15512	110
	1		Total	44412	1142	1640	41630	269
		Central zone Total		106208	8709	9165	88344	4893
41			East Patiala	15448	0	88	15360	0
42			West Patiala	1718	1287	0	431	0
43			Model Town Patiala	1126	990	0	136	259
44		Patiala Circle	Sub Patiala	12222	0	0	12222	0
45		Patiala Circle	Rajpura	10483	825	0	9658	214
46	1		Nabha	16087	356	60	15671	356

Dy. C.E.ID.S.M.

	1		Total	143539	753	2438	140348	1614
69			Budlada	24811	95	138	24578	233
68			Mansa	25713	92	207	25414	202
67		Bathinda	Maur	30850	0	117	30733	117
66			Bhagta	20653	0	198	20455	198
65			Rampura	17422	63	30	17329	30
64			Bathinda	24090	503	1748	21839	834
	100	South zone Total		319104	10048	3083	305973	7100
			Total	18091	2543	948	14600	2335
63		Wonaii	Lairu	7501	165	100	7236	120
62		Mohali	Zirakpur	5557	385	146	5026	222
61			Mohali Spl.	5033	1993	702	2338	1993
	1		Total	35884	0	1672	34212	783
60	1		Samrala	12229	0	292	11937	292
59	2 - 1	Roop Nagar	Kharar	9436	0	889	8547	0
58			Anand Pur Sahib	6245	0	194	6051	194
57			Roop Nagar	7974	0	297	7677	297
			Total	71568	1551	114	69903	1142
56	1	Barnala	Malerkotla	21103	336	114	20653	267
55		122000000000000000000000000000000000000	Sub Barnala	22129	834	0	21295	598
54	ZUNE		City Barnala	28336	381	0	27955	277
	SOUTH ZONE		Total	118844	1689	138	117017	1204
53			Dhuri	20843	275	0	20568	275
52			Patran	20534	157	0	20377	0
51	1 1	Sangrur	Dirba	17802	27	87	17688	27
50			Lehra Gaga	20416	282	0	20134	282
49	1		Sunam	21822	426	32	21364	117
48	1 1		Sangrur	17427	522	19	16886	503
	1 1		Total	74717	4265	211	70241	1636
47	1 1		Samana	17633	807	63	16763	807

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P.S.P.C.L. Patiala





94		THE STATE OF THE S	Phagwara	6798	585	69	6144	514	
93		out in the same of	West	2046	1180	0	866	982	
92		Jalandhar	M/Town	4379	716	0	3663	716	
91			Cantt	4663	1099	0	3564	1099	
90			East	3357	1296	0	2061	1095	
		COLUMN TO THE	Total	61456	1041	624	59791	1003	
9		The state of the s	Kartarpur	11362	240	79	11043	270	
8		Rapultilala	Sub.Divn . Nakoder	14815	0	222	14593	200	
7		Kapurthala	City Nakoder	14822	157	65	14600	263	
16		第四十五十五	Sub.Divn . KPT	7842	29	124	7689	136	
35		Mary Mary (Alak	City Divn KPT	12615	615	134	11866	134	
		West zone Total		449567	4796	3619	440951	3357	
			Total	130356	1033	1016	128307	653	
4			Badal	17773	0	20	17753	4	
3			Fazilka	22649	38	337	22274	5	
2		Sri Muktsar Sahib	Abohar	18078	434	94	17550	434	
1			Gidderbaha	17909	151	0	17758	30	
0		V	Malout	27405	410	360	26635	180	
9			Sri Muktsar Sahib	26542	0.	205	26337	0	
			Total	78899	1050	165	77684	580	
8			Zira	24863	232	0	24631	0	
7		Ferozepur	Jalalabad	28827	0	95	28732	0	
6			S/U Ferozepur	11481	351	0	11130	195	
5	ZONE		City Ferozepur	13728	467	70	13191	385	
	WEST		Total	96773	1960	0	94612	510	
74			Baghapurana	23963	396	0	23554	68	
3		randkot	Sub. Moga	12469	384	0	12056	122	
2		Faridkot	City Moga	18250	400	0	17795	114	
71			Kotkapura	25592	398	0	25165	105	
0			Faridkot	16499	382	0	16042	101	

95	HORTH	SECTION AND	Total	21243	4876	69	16298	4406	
	NORTH		City Hsp	5169	472	142	4555	460	
96		Manual State	Sub Hsp	8667	205	0	8462	24	
97			Dasuya	6680	128	167	6385	167 212	
98		Hoshiarpur	Mukerian	7651	234	0	7417		
99			Bhogpur	8944 0		72	8872	72	
1000			Mahilpur	7205	71	34	7100	76	
100			Total	44316	1110	415	42791	1011	
101]		Nawanshahar	6880	363	110	6407	363	
102	1		Banga	7241	148	56	7037	148	
103]	Nawanshahar	Garhshankar	8752	253	168	8331	253	
104	1		Goraya	8155	448	51	7656	448	
	1	建 型企业	Total	31028	1212	385	29431	1212	
		North zone Total		158043	8239	1493	148311	7632	
		GRAND TOTAL PSPCL		1249085	35938	18765	1194181	27067	
		"B"	Details of DT-wise losses	(please add mor	e rows as per rec	quirement)			
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 1: DT wise losses are not available Presently.

Note 2: a) Voltage wise Input Energy is not available.
b) Due to inadequate DT metering, DT wise losses cannot be calculated.
c) Feeder-wise Sales, T&D losses & AT&C losses details are not available.
d) It is pertinent to mention here that the work of smart meter installation under RDSS Schene STM progress.

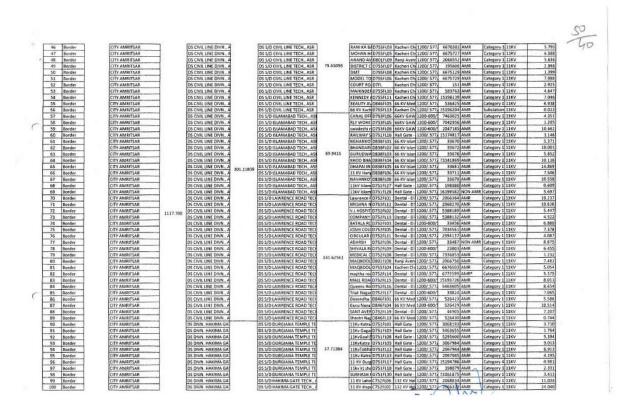
CE/EA & Enforcement P.S.P.C.L., Patiala

Er. Ravi Verma EA- 796 Energy Auditor PSPCL, Patiala.





(Details of Feeder-wise losses)																
Period From 01.04.2024 To 31.03.2025																
no	Zone	Received at Zone (in MU)	Circle	Received at Circle (In MU)	Division	Received at Division (In MU)	Subdivision	Received at sub Division (In MU)	leeder Feeder Cod	Grid Name	CT Ratio	Meter Se	feeder meter (Type of Feeder (Urban/Mi xed/Indus trial/Agric ultural/R ural)		2024-04-01 2025-03-31 Pumped energy (MU)
	Border		CITY AMRITSAR		DS CITY CENTER DIVN		DS S/D GHEE MANDI TECH, AS		11Kv NEW C751FL03					Category :		5.80
	Border		CITY AMRITSAR	4	DS CITY CENTER DIVN		DS S/D GHEE MANDI TECH, AS		11Kv New C751FL08					Category		11.82
	Border	1	CITY AMRITSAR CITY AMRITSAR	4	DS CITY CENTER DIVIN DS CITY CENTER DIVIN		DS S/D GHEE MANDI TECH, AS DS S/D GHEE MANDI TECH, AS		11Kv Navd D754FL03 11Kv Chatt D754FL04					Category 1		7.53
	Border Border	1	CITY AMRITSAR	4	DS CITY CENTER DIVN		DS S/D GHEE MANDI TECH, AS	70.922		66KV Golde				Category 1		5.32
	Border		CITY AMRITSAR	-	DS CITY CENTER DIVN		DS S/D GHEE MANDI TECH, AS			66KV Golde				Category 1		6.68
	Border		CITY AMRITSAR	1	DS CITY CENTER DIVIN		DS S/D GHEE MANDI TECH, AS			132 KV GT				Category 1		8.37
	Border		CITY AMRITSAR	1	DS CITY CENTER DIVN		DS S/D GHEE MANDI TECH, AS			132 KV GT				Category 1		8.38
	Border	1 1	CITY AMRITSAR	1	DS CITY CENTER DIVIN		DS S/D GHEE MANDI TECH, AS		11KV NEW C754FL13	66KV Golde	1200/.577	198076	AMR	Category 1	11KV	3.67
	Border		CITY AMRITSAR		DS CITY CENTER DIVN		DS S/D GHEE MANDI TECH, AS		11 KV MOT D754FL09					Category 1		6.49
	Border	1 1	CITY AMRITSAR		DS CITY CENTER DIVN		DS S/D HUSSAINPURA TECH. A			Hall Gate -				Category 1		5.25
	Border		CITY AMRITSAR		DS CITY CENTER DIVN		DS S/D HUSSAINPURA TECH. A		11KV Huss D752FL10					Category 1		10.86
	Border		CITY AMRITSAR		DS CITY CENTER DIVN		DS S/D HUSSAINPURA TECH. A		11KV Ram D751FL02		1200/.577			Category 1		7.20
	Border		CITY AMRITSAR		DS CITY CENTER DIVIN		DS S/D HUSSAINPURA TECH. A		11KV Civil (D751FL14		1200/.577			Category 2		1.45
	Border		CITY AMRITSAR		DS CITY CENTER DIVIN		DS S/D HUSSAINPURA TECH. A	48.33938	Cheel Man D754FL05			33714		Category 1		10.02
	Border		CITY AMRITSAR	4. 3	DS CITY CENTER DIVN		DS S/D HUSSAINPURA TECH. A		BHARAWA D751FL22		1200/.577,			Category 1		1.97
	Border		CITY AMRITSAR	4	DS CITY CENTER DIVN		DS S/D HUSSAINPURA TECH. A DS S/D HUSSAINPURA TECH. A		MASHI MA D751FL23 KARION MJD751FL24		1200/.577,		NON AMR	Category 1		1.80
	Border Border		CITY AMRITSAR CITY AMRITSAR	-	DS CITY CENTER DIVIN DS CITY CENTER DIVIN		DS S/D HUSSAINPURA TECH. A		TOWN HALD751FL21		1200/.577	197886		Category 1		7.20
	Border		CITY AMRITSAR	-	DS CITY CENTER DIVIN		DS S/D MALL MANDI TECH. AS			132 KV Ma				Category 2		22.86
	Border	1	CITY AMRITSAR	1 8	DS CITY CENTER DIVN	354.593	DS S/D MALL MANDI TECH. AS		Shai Laloji CS01FL04			11052005		Category 1		14.64
	Border		CITY AMRITSAR	+ 1	DS CITY CENTER DIVN	394393	DS S/D MALL MANDI TECH. AS		GT road C801F106					Category 1		12.570
	Border		CITY AMRITSAR		DS CITY CENTER DIVN		DS S/D MALL MANDI TECH. AS			132 KV Ma				Category 1		8.231
	Border		CITY AMRITSAR	7	DS CITY CENTER DIVIN		DS S/D MALL MANDI TECH. AS		New Focal C801FL10	132 KV Ma	1200/.577			Category 2	11KV	13.611
	Border		CITY AMRITSAR		DS CITY CENTER DIVIN		DS S/D MALL MANDI TECH. AS		New Amrit CB01FL11	132 KV Ma	1200/.577,	11057979	AMR	Category 1	11KV	7.63
	Border		CITY AMRITSAR	1	DS CITY CENTER DIVN		DS S/D MALL MANDI TECH. AS		Gobind Na C751FL13	132 KV GT	900-450/.5	5343286	AMB	Category 1	11KV	11.84-
	Border	1 1	CITY AMRITSAR		DS CITY CENTER DIVN		DS S/D MALL MANDI TECH. AS		Kapoor Na C751FL14	132 KV GT	1200/.577,	9154236	AMB	Category 1	11KV	8.573
1	Border		CITY AMRITSAR		DS CITY CENTER DIVN		DS S/D MALL MANDI TECH. AS		Apha G C751DLO1			Not availa		Category 1		14.88
Ì	Border		CITY AMRITSAR		DS CITY CENTER DIVN		DS S/D MALL MANDI TECH. AS		GTB FOCAL CB01FL13					Category 2		13.440
	Border		CITY AMRITSAR	4	DS CITY CENTER DIVN		DS S/D MALL MANDI TECH. AS	235.33106	BABA DEEF D9455L01					Category 1		4.138
	Border		CITY AMRITSAR	_	DS CITY CENTER DIVN		DS 5/D MALL MANDI TECH. AS		ATTARI SAED945SLD2			33845		Category 1		10.633
	Border		CITY AMRITSAR	4	DS CITY CENTER DIVIN		DS S/D MALL MANDI TECH. AS		Bhai Ghan D945FL04					Category 1		9.76
	Sorder		CITY AMRITSAR	-	DS CITY CENTER DIVN		DS S/D MALL MANDI TECH. AS		BABA BUD D9455L05 11 KV DAB 945FL07			33830	NON AMR	Category 1 Category 1		12.654
	Border		CITY AMRITSAR CITY AMRITSAR	-	DS CITY CENTER DIVN DS CITY CENTER DIVN		DS S/D MALL MANDI TECH. AS DS S/D MALL MANDI TECH. AS			66 KV Sulta 66 KV Sulta			NON AMR	Category 1		12.51
	Border		CITY AMRITSAR CITY AMRITSAR	-	DS CITY CENTER DIVN		DS S/D MALL MANDI TECH. AS DS S/D MALL MANDI TECH. AS		11 KV VALL D832FL10				AMR	Category 1		14.25
	Border Border		CITY AMRITSAR	-	DS CITY CENTER DIVN		DS S/D MALL MANDI TECH. AS		11 KV Bhai C751DL11				NON AMR	Category 1		5.72
	Border		CITY AMRITSAR	-1	DS CITY CENTER DIVIN		DS S/D MALL MANDI TECH. AS		13kV Diam D945ft11				AMR	Category 1		9.01
	Border		CITY AMRITSAR	1	DS CITY CENTER DIVIN		DS S/D MALL MANDI TECH. AS		11 kv Alph D821FL19				AMR	Category 1		2.50
	Barder		CITY AMRITSAR	1	DS CITY CENTER DIVN		DS S/D MALL MANDI TECH. AS		11kV Gard C801FL14				NON AMR			10.990
	Barder		CITY AMRITSAR	1	DS CITY CENTER DIVN		DS S/D MALL MANDI TECH. AS		11kV Gaus C801FL15	132 KV Ma	1200/.577	2068299	NON AMB	Category 2	11KV	2.29
	Border		CITY AMRITSAR]	DS CIVIL LINE DIVN., A		DS S/D CIVIL UNE TECH., ASR		BASANT AV D801FL01	Ranji Aven	1200/.577			Category 1		5.88
	Border	1	CITY AMRITSAR]	DS CIVIL LINE DIVN., A		DS S/D CIVIL LINE TECH., ASR			Ranji Aven				Category 1		8.74
	Border		CITY AMRITSAR		DS CIVIL LINE DIVN., A		DS S/D CIVIL LINE TECH., ASR		GREEN AVED755FL01					Category 1		9.51
	Barder		CITY AMRITSAR		DS CIVIL LINE DIVN., A		DS S/D CIVIL LINE TECH., ASR		CANTT RO/ D755FL02	Kacheri Chi	1200/.577	6676500	AMR	Category 1	11KV	4 42





CE/EA & Enforcement P.S.P.C.L., Patiala

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Er. Ravi Verma EA- 7969 Energy Auditor PSPCL, Patiala. Dy. C.E. / D.S.M.

FY 2024-25 sulted/claim from State ed from Scate Govt. (As against col.13) (In Rs. Cr.) (In Rs Billed Energy metered* (O of col.3) (in Rs/Kwh) 8 Rs. 2.50 to Rs. 7.15 per 4=2+3 8284.57 8284.57 83.69 9977.37 8491.47 14,96,70,23,297.2 14,81,77,30,000.0 9977.31 Rs 0.15 to 1.37 per KVA 2537.27 29,22,52,57,960.0 29,22,52,57,960.00 Total 50,35,22,93,702.83 14,84,15,56,297.17 65,44,94,19,000.0

late The subsidy due for FY 2024-25 coams to Rs. 20799.18 crore where as State Govt has released Rs. 16892.16 cr. The net subsidy recoverable from the Subsidy recoverable from the Subsidy Rs. 3907.00 crore.

SE/EA & Enforcement P.S.P.C.L., Patiala

Er. Ravi Verma EA- 7969

EA- 7969 Energy Auditor PSPCL, Patiala. By C.E./ D.S.M.
P.S.P.C.L. Patiala

-sd-Finance Advisor

P.S.P.C.

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Punjab State Power Corporation Ltd.

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