ENERGY AUDIT REPORT

of

HARCOURT BUTLER TECHNICAL UNIVERSITY

Harcourt Butler Technical University, Nawabganj, Kanpur (U.P.) – 208 002

Submitted To

Uttar Pradesh New & Renewable Energy Development Agency (UPNEDA)

Vibhuti Khand, Lucknow,

Uttar Pradesh-226010

CONDUCTED BY:

Energy Solution Company

Specialized in Energy Audits, Building & Industrial Insulations
(Empanelment with UREDA, MECON, UPNEDA, BEE ESCO)
C-938/10, River Heights, Raj Nagar Extension, Ghaziabad (UP) – 201017
Mobile - +91-98689 70770
Email: – energysolutioncompany@gmail.com

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Contents

Executive Summary

Energy Solution Company (ESC) was entrusted to carry out the Energy Audit of the Harcourt Butler Technical University (HBTU), Kanpur. The site Visits for the Energy Audit were conducted on December, 2024.

Harcourt Butler Technical University (HBTU) formerly known as Harcourt Butler Technological Institute (HBTI) is a premier state Technical University in Kanpur, Uttar Pradesh, India. The HBTU was named after Mr.Spencer Harcourt Butler, Governor of the United Provinces in British India. Its programs have been conferred in autonomous status under the university. It is one of the oldest engineering institute in the country and holds NAAC A+ accreditation and ISO 9001:2000 certification. It offers Bachelors, Masters, and Doctoral programs in engineering, natural sciences and humanities as well as Masters Programs in Computer Application (MCA) and Business Administration (MBA).

HBTU is the mother institute of the National Sugar Institute (in 1936, then known as Imperial Institute of Sugar Technology), the Government Central Textile Institute (in 1937), now known as the Uttar Pradesh Textile Technology Institute, Indian Institute of Technology Kanpur (IIT/K) in 1960, the Glass Institute and Rajkiya Engineering College Mainpuri (also known as Government Engineering College, GEC/M) in 2015. It was also one of the 127 technical institutions in India which were the recipients of funding from World Bank's International Development Association (IDA) in the phase one (2004–2009) of the Technical Engineering Educational Quality Improvement Project – the first World Bank project in Higher education in India.

The university is in the northern part of the city, near the Kanpur Zoo, and less than five kilometres away from the Ganga barrage. It is spread across two campuses – the east campus (77 acres), and the west campus (271 acres) In East Campus There are 6 hostels including 4 Girls Hostels & 2 Boys Hostels and in West campus there are 4 boys hostels. – roughly 3 km apart.

Key Points

- Harcourt Butler Technical University (HBTU), Kanpur draws Power from Kanpur Electricity Supply Company Limited, at 33 KV. Subsequently, the voltage is stepped down by one transformer of 5000 KVA of 1 Nos, 33 KV to 11 KVA. Then, the voltage is stepped down by seven transformers of 630 KVA of 3 Nos, 400 KVA of 1 Nos, 100 KVA of 2 Nos and 25 KVA of 1 Nos which is provided for the emergency at the substation building, 11 KV to 433 Volts.
- HBTU building has a Contract Demand of 889 kVA. From the electricity bill from Nov-22 to Oct-24, the maximum recorded demand varies from 239.90 kVA to 780.00 kVA. Therefore, no any penalty was not observed in the electricity bill. So we have not recommended any recommendation on Contract demand.
- In College Campus for cooking food PNG gas is used. The Guest House and hostel mess are maintained by a third party. In the Guest House and hostel mess, PNG gas is supplied through the pipeline and these gas purchased from the Central U.P Gas Limited.
- The building is being billed on a KVAh basis; therefore, the effect of the power factor is inbuilt into the billing structure. In the electricity bill, PF varies from 0.84 to 0.98, and the average power factor is 0.925, indicating scope for consistent improvement. There is one 300 KVAr capacitor bank panel installed in the building at the LT Side. The building is being billed on a KVAh basis; therefore, the effect of the power factor is built into the billing structure. During the Year, the operating power factor varied from 0.84 to 0.98, and the average Power Factor was around 0.925, which is on the lower side, indicating scope for consistent improvement.

  It is thus recommended to install additional capacitor banks on the APFC Panel or the capacitor banks wherein the delivery is poor (less than 70%) or out of order may be replaced so that the overall system power factor is maintained at around 0.99 (lag). Improvement in the power factor would subsequently reduce the KVAh consumption, the resultant benefits in terms of energy savings work out to **Rs. 10.3 Lacs** per annum with an estimated investment of **Rs. 2 Lacs** and a simple payback period of **2-3 months.**

- During the audit, we measured the Power Quality on the LT Side and observed that the Voltage and the current were unbalanced in all three phases in all the transformers. The load on the building is much less, due to the winter season.
- The voltage harmonics levels were around 1.2-1.6%, the levels of the current harmonics were 12.1-15.5% on the LT Side of TR-1, voltage harmonics levels were around 1.0-10.1%, the levels of the current harmonics were 2.8-9.4% on the LT Side of TR-2, voltage harmonics levels were around 0.8-6.9%, the levels of the current harmonics were 2.7-4.0% on the LT Side of TR-3 and voltage harmonics levels were around 1.2-1.6%, the levels of the current harmonics were 13.5-15.2% on the LT Side of TR-4. **The Overall Average current harmonics are within limits of TR- 1 to TR-4. However, the average voltage harmonics are exceeds the limits of TR-2 & TR-3.**
- Window/Split Acs are installed in the Building Complex at different locations. Performance was not evaluated on A/Cs as ACs were not operational due to the winter season. The AC is of 5/3 rating installed in the building. **Energy Solution Company acknowledges and appreciates the commitment of the management toward the conservation of Energy.** It is recommended to install 5-star rated AC in place of 3 a tentative 10-15% energy saving will be saved.
- *The Management is highly conscious of its Energy Efficiency and cost and has initiated several measures to reduce energy consumption, all office lights and street lights are Energy Efficient LED Lights.* ***ESC acknowledges and appreciates the commitment of the management toward the conservation of Energy.***
- We have measured the load profile on the LT Side. The average lighting Voltage of measured Transformers is 253.6V for TR-1 (630 KVA), 248.8 for TR-2 (630 KVA), 234.9 for TR-3 (630 KVA), 243.2 for TR-4 (100 KVA), 247.9 for TR-5 (100 KVA), 249.3V for TR-6 (400 KVA) and 238.7 for TR-7 (25 KVA). The overall Lighting load including the operating Voltage, Current, Power Factor, etc. was recorded on the LT side during the site visit, which is enclosed as a respective chapter. Normally, the lighting circuit voltage should be around 220 volts (phase to neutral) as against the volts measured at present. **All lights installed in the building are LED lamps the effect of voltage reduction in terms of power-**

saving will be almost negligible. However, reduction and stabilization of voltage will improve the life of lamps.

- During the audit, it was observed that at various locations in the building, lights were ON even when there was no one in the room/office. Hence, it is recommended to use motion sensors to minimize energy consumption. A motion detector is a device that detects moving objects, particularly people. These devices are actively used for street lights or indoor lights in walkways such as lobbies, stairs, and also in offices. The total lighting load of the building is an average of 150 KW, the payback period is on the higher side so we have not recommended any recommendation on Motion sensors. We have to recommend switching off the lights in the daytime to save energy.
- Around 3,552 No's conventional ceiling fan & 72 Nos Wall Fan are installed in the various locations of the building. These Fans must be replaced with energy-efficient BLDC Fans. The resultant benefits in terms of energy savings work out to **Rs. 34.12 Lacs** per annum with an estimated investment of **Rs. 108.72 Lacs** and a simple payback period of **38-39 months.**
- In the HBTU Campus two pump houses, namely the Old Pump House and the New Pump House, During the discussion HBTU officials informed us that the water level of the old pump house is down. Two drinking water Submersible pumps are installed at the Harcourt Butler Technical University East Campus (HBTU) Kanpur, these pumps supply the water to the OHT and also supply the direct water. From OHT water is directly supplied to the colony, Academic building, college, etc. During the audit, we have taken the Power and flow of pumps. We have taken the discharge pressure according to the OHT height as there was no pressure gauge point installed in the pipeline of the Pump. The suction head is provided by building officials.
    - The pump is running at its rated parameters and seen that the efficiency of pump-1 is **62.24%, which is satisfactory.**
    - The pump is running at its rated parameters and seen that the efficiency of pump-2 is **34.32%, which is on the lower side.**

As the pump is not operating at duty point its efficiency has deteriorated further. Therefore, it is recommended to replace this pump with new energy-efficient pumps.

The resultant benefits in terms of energy savings work out to **Rs. 1.54 Lacs** per annum with an estimated investment of **Rs. 1.25 Lacs** and a simple payback period of **8-9 months** for Submersible Pump-2.

- Two Nos DG sets of different ratings 75 KVA X 1 Nos and 15 KVA X 1 No are installed for emergency power supply. The operation of the DG Sets is during power cuts & testing only The operation of the DG set is limited to power cuts and testing only. The running hours of DG are very low i.e. 1-2 hr in a month, hence, no specific recommendation has been made on DG.
- The Institute building has not installed SWH on the rooftop of the building for bathing. There are hostels and guest houses in the building. These canteens normally require hot water, for the washing of utensils, the hot water is generated by using a Gas or Geyser. Because the SWH is not installed for the canteen and in the rooms of hostel and guest house. It is recommended to install a Solar Water Heating System for the bathroom and canteen, which would feed hot water at an average temperature of 70°C. This would reduce the dependence on one unit and also reduce the heat losses in the distribution lines. The resultant benefits in terms of energy savings work out to **Rs. 8.57 Lacs** per annum with an estimated investment of **Rs. 42.5 Lacs** and a simple payback period of **59-60 months.**
- The building management has not installed a solar PV System on the rooftop of the building. Solar Photovoltaic Cell for Power Generation for lighting load at the building, which would supply light to the lighting feeder. **Solar photovoltaic technologies** convert solar energy into useful energy forms by directly absorbing solar photons—particles of light that act as individual units of energy—and converting part of the energy to electricity. During the audit, we observed that there is ample space for the installation of a Solar PV System (250 KWp, approx. 20 KWp at each building) on the rooftops of buildings like Hostels, Guest Houses Academic buildings, etc. The resultant benefits in terms of energy savings work out to **Rs. 44.29 Lacs** per annum with an estimated investment of **Rs. 125 Lacs** and a simple payback period of **33-34 months.**

- Two Nos DG sets of different ratings 75 KVA X 1 Nos and 15 KVA X 1 No are installed for emergency power supply. The operation of the DG Sets is during power cuts & testing only**.**
- Up to 10-15% of the Office building/ home's heat can be lost through an uninsulated roof. So, insulating the roof is one of the most effective ways to save energy. Roof insulation is a barrier of material that's placed in roof space to make it harder for heat to travel in or out. This Insulation barrier slows down the transfer of heat between living space and the outside world, creating a warmer home in winter and a cooler one in summer. **Since the Cost of PU Spray is on the higher side and payback is very high as the investment is very high. Hence, economically not Viable. So, we have not recommended any savings in the building envelope. (Cost of PU Spray approx. 4,000 Rs/ ft^2**)

  During the audit we measured the surface temperature of the roof top and bottom, as per observation from the above thermogram, the average surface temperature of the roof is around 21.3 °C (Varies from 22.0°C to 26.6°C) and the average temperature of the ceiling below the roof is around 11.7 °C (Varies from 11.4 °C to 12.3°C) and the temperature difference between roof and ceiling of the building is 9.6 °C which is satisfactory.
- Thermography uses specially designed infrared video or still cameras to make images (called thermograms) that show surface heat variations. This technology has a number of applications. Thermograms of electrical systems can detect abnormally hot electrical connections or components. During the audit, we took the thermal image of some electrical panels to find the hotspot created due to loose crimp & loose screw or any other reason to avoid any mishappening. The thermogram & observation are mentioned in the respective chapter.

Cumulative Energy Saving Opportunities in Kwh/ Kg of Fuel & Oil Equivalent & Corresponding Monetary Benefits with Payback

S No	Description	Energy Savings per Annum		TOE	Estimated Investments	Payback Period	IRR
		KWh	Rs		(Rs.)	(Months)	%
		Short Term					
1	*Improvement of Power Factor*		10,30,195	-	2,00,000	2-3	**515.04%**
2	*Replacement of Inefficient Submersible Pump-2 with Energy Efficient Pump*	12,040	1,54,594	1.04	**1,25,000**	9-10	**121.35%**
	Total	**12,040**	**11,84,788**	**1.04**	**3,25,000**	3-4	**364.38%**
		Long Term					
3	*Installation of Solar PV System*	3,45,000	44,29,800	29.67	1,25,00,000	33-34	**22.69%**
4	*Replacement of Conventional Fans with BLDC Fans*	2,65,787	34,12,699	22.86	1,08,72,000	38-39	**17.19%**
5	*Installation of Solar Water Heating System on roof top of the buildings (Guest House and Hostels)*	66,675	8,56,107	5.73	42,50,000	59-60	**0.24%**
	Total	**6,77,462**	**86,98,606**	**58.26**	**2,76,22,000**	**38.11**	**17.33%**
	Grand Total	**6,89,502**	**98,83,394**	**59.30**	**2,79,47,000**	**33.93**	**22.59%**

Acknowledgment

M/s. Energy Solution Company places on record its sincere thanks to **Uttar Pradesh New & Renewable Energy Development Agency (UPNEDA),** Vibhuti Khand, Lucknow for its critical role in guiding and steering this prestigious assignment on **"Energy Audits of Govt. Buildings."**

We are grateful to the **Uttar Pradesh New & Renewable Energy Development Agency (UPNEDA),** Vibhuti Khand, Lucknow for giving us an opportunity to conduct the Energy Audits of Harcourt Butler Technical University (HBTU), Kanpur.

- Sh Anupam Shukla-Director
- Sh Pankaj Singh- Secretary & Chief Project Officer
- Sh Rakesh Kumar Agarwal- Senior Project Officer-2
- Sh Girish Kumar- Sr. Energy Consultant

We are thankful to all the officials from the Harcourt Butler Technical University (HBTU), Kanpur for their assistance and guidance during the execution of the Energy Audits of the building.

- Prof. Shamsher – Vice Chancellor
- Prof. Rajiv Ganguly – Chairman Maintenance/Constructions
- Mr. A K. Singh – Superintending Engineer

Our sincere thanks are to the management of the Harcourt Butler Technical University (HBTU), Kanpur for extending necessary cooperation and providing relevant information to us for the successful completion of the study. It is not possible to name all staff for their help during the collection of data & shop floor studies.

M/s. Energy Solution Company, Ghaziabad looks forward to their continued support in all future endeavors as well.

ASHU SHARMA
BEE Empanelled Accredited Energy Auditor (AEA-0101)

(Ashu Sharma)
Accredited Energy Auditor-AEA-0101

CHAPTER 1 INTRODUCTION

1.1 THE PROJECT

With the advent of the energy crisis and exponential hikes in the costs of different forms of energy, Energy Audit is manifesting its due importance in every establishment. An Energy Audit helps to understand more about the ways energy is used in any establishment and helps in identifying areas where waste may occur and where scope for improvement exists.

It was with this objective that **"Energy Solution Company" C-938, 9TH Floor, Tower No-10, River Heights, Raj Nagar Ext., Ghaziabad** was entrusted with the job of conducting an Energy Audit of Harcourt Butler Technical University (HBTU), Kanpur.

1.2 SCOPE OF WORK

I) Building Energy Bills Analysis

Analysis of energy consumption pattern in the building concerning peak demand, load Pattern, and power factor for the last 1 year.

II) Electricity Supply and Distribution Network-

- **Distribution Transformer(s)**

Study and analysis of the utility pattern of the transformer(s), power quality of the transformers,

- **LT Distribution Panels**

1. General inspection of the LT distribution panel(s) for its maintenance and working including checking all the meters mounted on it.
2. Measurement and analysis of demand and power factor, suggestions to reduce the demand and improve the power factor.
3. Study on the Metering system and suggestions for improvement.
4. Study on V, I, KW fluctuation and profiling, V & I imbalances in the network.
5. Detailed examination of the existing energy use of the facility with break up.
6. Study and examination of the use of electric energy cost balance with break up.
7. Performance evaluation of installed capacitors to ensure deliverance of desired output, level of losses, management of system power factor, and operation of capacitors.

III) Air Conditioning Systems–

- **Centralized Air Conditioning System**

1. Performance evaluation of existing central air conditioning system(s) in all the areas, measurement and analysis of indoor temperatures, and suggest optimizing the energy utilization.

- **Chillers -**

1. Measuring all the operating parameters such as water flow (If the actual flow is found to be in variation with the designed flow, the same needs to be adjusted to match the designed flow before taking observations) inlet & out water temperatures, gas suctions & discharge pressure, Power Consumption, etc. after stabilizing the parameters.

2. Calculation of operating Input KW per TR (IKW / TR) of Chiller(s) at a minimum of three different available load conditions for each chiller.

3. Comparison of actual parameters with the design values, and suggestions for corrective actions to be implemented.

- **Pumps -**

1. Measuring all the operating parameters such as water flow, suction & discharge head, power consumption, etc.

2. Performance Evaluation of chilled water & Condenser water pump and compare the same with the design or generally expected efficiency of such pumps.

- **Cooling Towers –**

1. Measurement of various parameters for cooling tower fans, water flow rate, air flow rate, dry bulb temperature (DBT) wet bulb temperature (WBT) sump temperature, relative humidity, etc.

2. Evaluation of cooling tower performance (Range, approach, and effectiveness) and comparing it with designed data.

- **Air Handling Units**

1. Measurement of airflow, Relative Humidity (RH), Supply air temperature (Tsa), Return air temperature (Tra), Chilled Water Inlet, and outlet temperature i.e. Tin, Tout through the cooling coil and energy consumption of Air Handling Units (AHUs).

2. Examination of Air Handling Units for air delivery capacity, capacity utilization, temperature pattern, pressure drop, and operational pattern concerning time to identify potential energy-saving measures.

3. Calculation of actual tonnage of AHUs and Measurement of operating zone temperatures under each unit. Comparison of actual parameters with the design values.

- **Package/ precision Air Conditioners / Split or window air conditioners**

1. Evaluation of operating Coefficient of Performance (COP) of Precision and package Air Conditioner. Identification and suggestions for performance improvement and energy-saving potential.

2. Calculation of actual tonnage and comparison of actual parameters with the design values and corrective actions.

IV) Lightning and Fans

1. Examination of the performance of the existing lighting system in all the areas, measurement of illumination levels, etc

2. To look for possibilities to reduce energy use by incorporating an energy-efficient lighting system.

3. Study of operating electrical parameters like voltage, current, etc in the lighting circuits.

V) Diesel Generator Sets

1. General Inspection of DG set.

2. The DG sets are to be tested for operational performance and parameters including fuel consumption, power generated, Voltage, Ampere, KW, KWh, KVA should be recorded during the audit.

VI) Others

1. Check the temperature of wiring and electric joints at key locations through a thermo-graphic imager. Hot spots to be identified and the image to be included in the report.

2. Measure the temperature of the roof of the top floors inside (inner surface of the roof) as well as outside (outer surface of the roof where sunshine is falling). Identify potential for heat-reflective paint on the outer surface of the roof, heat-reflective coating for the windows exposed to sunshine, etc.

3. Check the possibility of using a Concentrated Solar system in the hostel to provide steam for the cooking and calculate the energy saving potential i.e. gas saved by this system and the cost of the system including cost-benefit analysis.

4. Check the performance of the Solar PV System and the Solar water heating System.

5. Identify the feasibility and potential of installing induction cooking in the cooking areas, whether it is the canteen or hostels of the institutes, so that LPG can be replaced by electric cooking. Calculate cost benefit for the replacement of LPG by induction cookers i.e. identify the cost of the system and quantify LPG savings, payback period, etc.

6. The entire recommendations have been backed up with techno-economic calculations including the estimated investments required for the implementation of the suggested measures and the payback period. Measurements have been made using appropriate instrumentation support for time-lapse and continuous recording of the operational parameters.

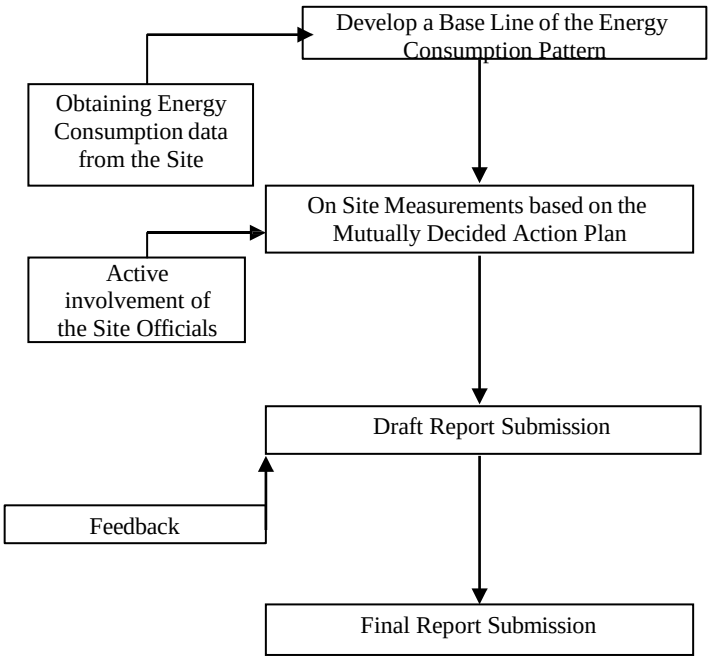
1.3 METHODOLOGY

The methodology adopted for achieving the desired objectives viz: Assessment of the Current operational status and Energy savings includes the following:

Discussions with the concerned officials for identification of major areas of focus and other related systems.

A team of engineers visited the Site and had discussions with the concerned officials/ supervisors to collect data/ information on the operations and Load Distribution within the Building. The data were analysed to arrive at a **baseline energy consumption pattern**.

Measurements and monitoring with the help of appropriate instruments including continuous and/ or time-lapse recording, as appropriate and visual observations were made to identify the energy usage pattern and losses in the system.



Computation and **in-depth analysis** of the collected data, including utilization of computerized analysis and other techniques as appropriate, were done to draw inferences and to evolve suitable energy conservation plan/s for improvements/ reduction in specific energy consumption.

1.4 INSTRUMENTATION SUPPORT

Some of the instruments used for undertaking the audit include the following:

- Electric Load Manager with appropriate CTs & PTs for Power Measurements with recording facilities.
- Dual Type Digital Temperature (°C/°F) Measuring Device with appropriate probes;
- Ultra-Sonic Flow Meter
- Pressure Gauges
- Anemometers
- Lux Meter
- Hygrometer

CHAPTER 2 BASELINE DATA

2.1 GENERAL DETAILS

Contact Details		
Brief Description of Assignment	:	Detailed Energy Audit of Electrical Systems & Utility Equipments.
Name & Address of the Building	:	Harcourt Butler Technical University (HBTU), Kanpur - Nawabganj, Kanpur, Uttar Pradesh 208002
Operational Days	:	300 Days per annum
Working hours (e.g., day working /24-hour working)	:	8 Hrs/day
Working days/week (e.g., 5/6/7 days per week)	:	6 days a week
Contact Officer	:	Mr. A. K. Singh-SE
Power		
Source	;	33 KV Supply, Kanpur Electricity Supply Company Limited.
Account No	:	999993/553
Sanctioned Load KVA	:	889 KVA
Average Purchased Power Consumption		
Nov 2023-Oct 2024	:	17,18,896 KWh & 18,51,852 KVAh
Average Energy Charges		
Nov 2023-Oct 2024	:	Rs 7.85 per unit
Average Net Amount		
Nov 2023-Oct 2024	:	Rs. 2,20,79,187
Average Purchased Power Cost		
Nov 2023-Oct 2024	:	Rs. 12.84 per kWh Rs. 11.92 per kVAH
HSD		
Nov 2023-Oct 2024	:	Data Not Provided
GAS (PNG)		
Sep 2024-Feb 2025	:	PNG 30,855.84 SCM Per Annum

2.2 RATED SPECIFICATIONS OF TRANSFORMERS

Harcourt Butler Technical University (HBTU), Kanpur draws Power from Kanpur Electricity Supply Company Limited, at 33 KV. Subsequently, the voltage is stepped down by one transformer of 5000 KVA X 1 Nos, 33 KV to 11 KVA. Then, the voltage is stepped down by seven transformers of 630 KVA of 3 Nos, 400 KVA of 1 Nos, 100 KVA of 2 Nos and 25 KVA of 1 Nos which is provided for the emergency at the substation building, 11 KV to 433 Volts. From TR-1 (630KVA) power is supplied to Main Building, Leather Department & Street Lights, TR-2 (630KVA) power is supplied to the Workshop, Civil & Electrical Department, TR-3 (630KVA) power is supplied to the chemical new building and its nearby building, TR-4 (100KVA) power is supplied to the step building, TR-5 (100KVA) supplies the power to the Guest House & Residential Block and TR-6 (400KVA) supplied the power to the Hostel, Residential Block, Colony, and Admin buildings. The details of Transformers are tabulated below;

Identification	Transformer-1	Transformer-2	Transformer-3	Transformer-4
Make	PME	No Name Plate	PME	DEE
KVA Rating	5000	25	630	630
HV Voltage	33000		11,000	11,000
LV Voltage	11000		433	433
HV Ampere	87.5		33.07	33
LV Ampere	262.4		840.05	440
Type of Cooling	ONAN		ONAN	ONAN
Impedance	7.15%		4.75%	4.50%
Year of Manufacturing	2006		2006	

Identification	Transformer-5	Transformer-6	Transformer-7	Transformer-8
Make	No Name Plate	No Name Plate	No Name Plate	No Name Plate
KVA Rating	100	630	100	400
HV Voltage				
LV Voltage				
HV Ampere				
LV Ampere				
Type of Cooling				
Impedance				

CHAPTER 3 POWER CONSUMPTION (ENERGY BILLS ANALYSIS)

3.1 PURCHASED POWER

Harcourt Butler Technical University (HBTU), Kanpur draws Power from Kanpur Electricity Supply Company Limited, at 33 KV. Subsequently, the voltage is stepped down by one transformer of 5000 KVA of 1 Nos, 33 KV to 11 KVA. Then, the voltage is stepped down by seven transformers of 630 KVA of 3 Nos, 400 KVA of 1 Nos, 100 KVA of 2 Nos and 25 KVA of 1 Nos which is provided for the emergency at the substation building, 11 KV to 433 Volts.

3.2 POWER CONSUMPTION

Harcourt Butler Technical University (HBTU), Kanpur draws Power from Kanpur Electricity Supply Company Limited, at 33 KV. Subsequently, the voltage is stepped down by one transformer of 5000 KVA of 1 Nos, 33 KV to 11 KVA. Then, the voltage is stepped down by seven transformers of 630 KVA of 3 Nos, 400 KVA of 1 Nos, 100 KVA of 2 Nos and 25 KVA of 1 Nos which is provided for the emergency at the substation building, 11 KV to 433 Volts. From TR-1 (630KVA) power is supplied to Main Building, Leather Department & Street Lights, TR-2 (630KVA) power is supplied to the Workshop, Civil & Electrical Department, TR-3 (630KVA) power is supplied to the chemical new building and its nearby building, TR-4 (100KVA) power is supplied to the step building, TR-5 (100KVA) supplies the power to the Guest House & Residential Block and TR-6 (400KVA) supplied the power to the Hostel, Residential Block, Colony, and Admin buildings.

3.3 REACTIVE POWER COMPENSATION

The building is being billed on a kVAh basis; therefore, the effect of the power factor is inbuilt into the billing structure.

3.4 SELF-GENERATED POWER

Two Nos DG sets of different ratings 75 KVA X 1 Nos and 15 KVA X 1 No are installed for emergency power supply. The operation of the DG Sets is during power cuts & testing only.

3.5 PNG GAS CONSUMPTION

In College Campus for cooking food PNG gas is used. The Hostel mess are maintained by a third party. In the hostel mess, PNG gas is supplied through the pipeline and these gas purchased from the Central U.P Gas Limited.

Particulars	Hostel Name
Hostel-1	Alaknanda Hostel (GH-I)
Hostel-2	Mandakini Hostel (GH-II)
Hostel-3	Gangotri Hostel (GH-III)
Hostel-4	Bhagirathi Hostel (GH-IV)
Hostel-5	Kaveri Hostel (GH-V)
Hostel-6	Saraswati Hostel (GH-VI)
Hostel-7	Shridhracharya Hostel (LV-I)
Hostel-8	Ramanujan Hostel (LV-New)
Hostel-9	Abdul Kalam Hostel (WCH-I)
Hostel-10	Visvesaraya Hostel (WCH-II)
Hostel-11	Raman Hostel (WCH-III)
Hostel-12	Vishwakarma Hostel (WCH-IV)
Hostel-13	Ambedkar Hostel (DBRA-I)
Hostel-14	Aryabhatt Hostel (DBRA-II)
Hostel-15	Vivekanand Hostel

The details of PNG Consumption is as follows,

Months	Consumption in SCM	Rs. Per SCM	Total Amount (Rs.)
RAMAN HOSTEL			
Sep-24	611.00	56.00	34,216.00
Oct-24	601.90	56.00	33,706.40
Nov-24	431.60	56.00	24,169.60
Dec-24	574.60	57.00	32,752.20
Feb-25	613.60	57.00	34,975.20
Total	**2,832.70**	**56.40**	**159,819.40**
AMBEDKAR HOSTEL			
Sep-24	390.90	56.00	21,890.40
Oct-24	315.90	56.00	17,690.40
Nov-24	279.50	56.00	15,652.00
Dec-24	426.40	57.00	24,304.80
Jan-25	157.30	57.00	8,966.10
Feb-25	200.20	57.00	11,411.40
Total	**1,770.20**	**56.50**	**99,915.10**
BHAGIRATHI HOSTEL			
Sep-24	223.70	56.00	12,527.20
Oct-24	230.40	56.00	12,902.40

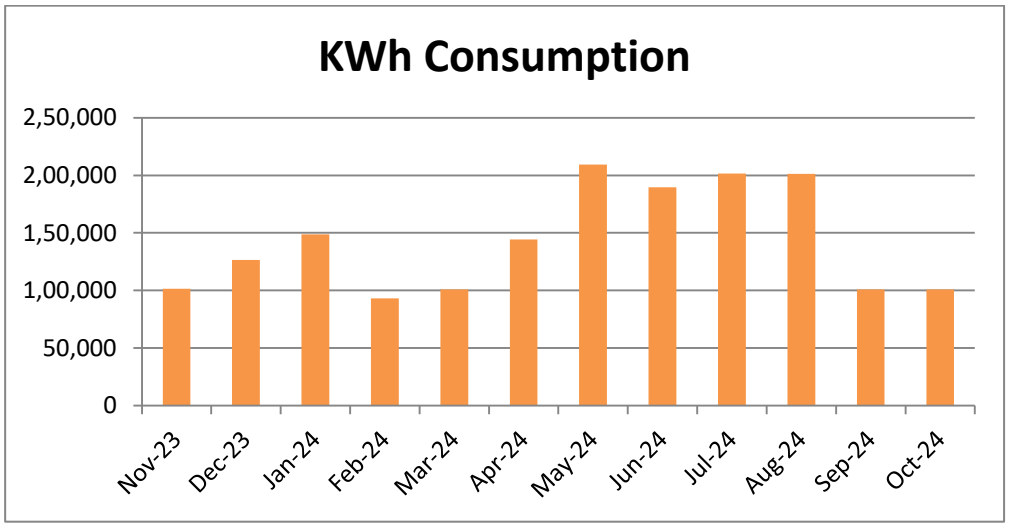
Months	Consumption in SCM	Rs. Per SCM	Total Amount (Rs.)
Nov-24	277.40	56.00	15,534.40
Dec-24	258.60	57.00	14,740.20
Jan-25	222.72	57.00	12,695.04
Feb-25	236.80	57.00	13,497.60
Total	**1,449.62**	**56.50**	**81,896.84**
ABDUL KALAM HOSTEL			
Sep-24	687.7	56	38,511.20
Oct-24	687.7	56	38,511.20
Nov-24	612.3	56	34,288.80
Dec-24	774.8	57	44,163.60
Jan-25	689	57	39,273.00
Total	**3,451.50**	**56.40**	**194,747.80**
VISHWAKARMA HOSTEL			
Sep-24	1036.1	56	58,021.60
Oct-24	1166.1	56	65,301.60
Nov-24	828.1	56	46,373.60
Dec-24	774.8	56	43,388.80
Jan-25	1136.2	57	64,763.40
Total	**4,941.30**	**56.20**	**277,849.00**
SARASWATI HOSTEL			
Sep-24	74.24	56	4,157.44
Oct-24	74.24	56	4,157.44
Nov-24	65.28	56	3,655.68
Dec-24	94.72	57	5,399.04
Jan-25	93.44	57	5,326.08
Total	**401.92**	**56.40**	**22,695.68**
ALAKNANDA HOSTEL			
Sep-24	214.50	56.00	12,012.00
Oct-24	242.60	56.00	13,585.60
Nov-24	238.64	56.00	13,363.84
Dec-24	219.48	57.00	12,510.36
Feb-25	255.75	57.00	14,577.75
Total	**1,170.97**	**56.40**	**66,049.55**
MANDAKINI HOSTEL			
Sep-24	223.56	56.00	12,519.36
Oct-24	264.50	56.00	14,812.00
Nov-24	236.60	56.00	13,249.60
Dec-24	243.21	57.00	13,862.97
Jan-25	215.70	57.00	12,294.90
Feb-25	208.47	57.00	11,882.79

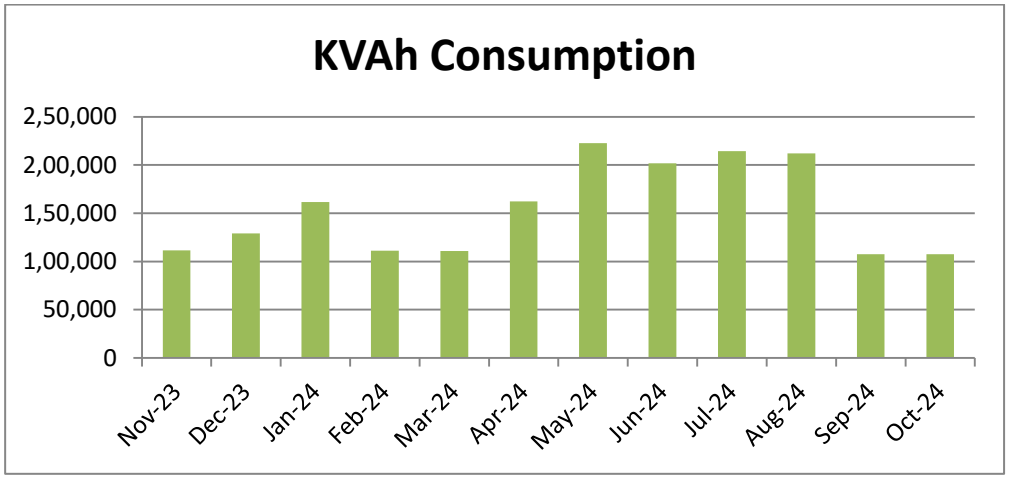
Months	Consumption in SCM	Rs. Per SCM	Total Amount (Rs.)
Total	**1,392.04**	**56.50**	**78,621.62**
GANGOTRI HOSTEL			
Sep-24	241.25	56.00	13,510.00
Oct-24	226.35	56.00	12,675.60
Nov-24	235.10	56.00	13,165.60
Dec-24	264.73	57.00	15,089.61
Jan-25	234.65	57.00	13,375.05
Feb-25	241.56	57.00	13,768.92
Total	**1,443.64**	**56.50**	**81,584.78**
KAVERI HOSTEL			
Sep-24	434.3	56	24,320.80
Oct-24	418	56	23,408.00
Nov-24	458.8	56	25,692.80
Dec-24	397.75	57	22,671.75
Jan-25	475.48	57	27,102.36
Total	**2,184.33**	**56.40**	**123,195.71**
SHRIDHRACHARYA HOSTEL			
Sep-24	366.7	56	20,535.20
Oct-24	385.4	56	21,582.40
Nov-24	377.3	56	21,128.80
Dec-24	346.8	56	19,420.80
Jan-25	381.9	57	21,768.30
Total	**1,858.10**	**56.20**	**104,435.50**
RAMANUJAN HOSTEL			
Sep-24	456.66	56	25,572.96
Oct-24	444.2	56	24,875.20
Nov-24	428.5	56	23,996.00
Dec-24	467.72	57	26,660.04
Jan-25	430.8	57	24,555.60
Total	**2,227.88**	**56.40**	**125,659.80**
VISVESARAYA HOSTEL			
Sep-24	346.6	56	19,409.60
Oct-24	373.2	56	20,899.20
Nov-24	321.89	56	18,025.84
Dec-24	385.75	56	21,602.00
Jan-25	338.55	57	19,297.35
Total	**1,765.99**	**56.20**	**99,233.99**
ARYABHATT HOSTEL			
Sep-24	357.55	56.00	20,022.80
Oct-24	346.74	56.00	19,417.44

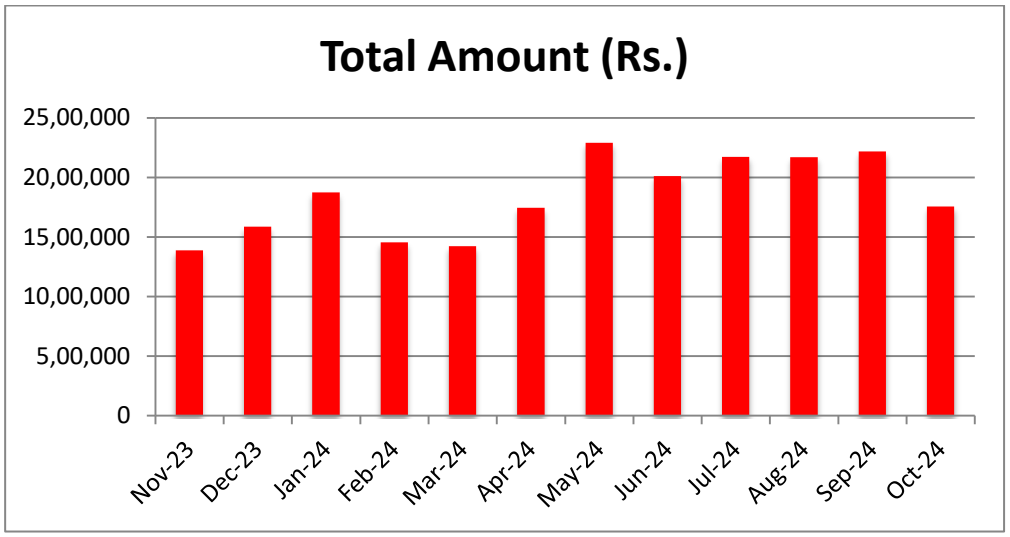
Months	Consumption in SCM	Rs. Per SCM	Total Amount (Rs.)
Nov-24	324.62	56.00	18,178.72
Dec-24	386.40	57.00	22,024.80
Jan-25	333.80	57.00	19,026.60
Feb-25	355.45	57.00	20,260.65
Total	**2,104.56**	**56.50**	**118,931.01**
VIVEKANANDA HOSTEL			
Sep-24	334.70	56.00	18,743.20
Oct-24	315.60	56.00	17,673.60
Nov-24	324.84	56.00	18,191.04
Dec-24	286.58	57.00	16,335.06
Jan-25	298.75	57.00	17,028.75
Feb-25	300.62	57.00	17,135.34
Total	**1,861.09**	**56.50**	**105,106.99**
Grand Total	**30,855.84**	**56.40**	**1,739,742.77**

3.6 OVERALL ENERGY BILL

Months	Power Factor	KWh Consumption	KVAh Consumption	Energy Charge (Rs)	Fixed Charge (Rs)	Electricity Duty (Rs.)	Rebate (Rs)	Protective Load (Rs.)	Arrear (Rs.)	Total Amount (Rs.)
Nov-23	0.910	1,01,568	1,11,613	7,61,389	2,40,030	75,104	-10,013	3,20,019		13,86,529
Dec-23	0.980	1,26,378	1,28,957	9,47,822	2,40,030	89,089	-11,879	3,20,040		15,85,102
Jan-24	0.920	1,48,664	1,61,591	12,13,713	2,40,030	1,09,031	-14,537	3,20,040	3,992	18,72,269
Feb-24	0.840	93,280	1,11,048	6,99,597	2,40,030	1,33,538	-9,396	3,20,040	70,472	14,54,281
Mar-24	0.910	1,00,965	1,10,951	7,96,791	2,40,030	75,946	-9,875	3,20,040		14,22,932
Apr-24	0.890	1,44,334	1,62,173	10,82,502	2,40,030	99,190	-13,225	3,20,040	14,543	17,43,079
May-24	0.940	2,09,250	2,22,606	15,69,375	2,80,800	1,38,763	-18,582	3,20,040	81	22,90,477
Jun-23	0.940	1,89,688	2,01,796	14,22,657	2,67,408	1,26,755	-16,901	3,20,040	-9,246	20,10,089
Jul-24	0.940	2,01,452	2,14,311	14,75,352	2,68,632	1,27,212	-17,102	3,20,040	-1,754	21,72,380
Aug-24	0.950	2,01,387	2,11,986	14,74,732	2,59,632	1,26,854	-16,982	3,20,040	5,735	21,70,010
Sep-24	0.940	1,00,965	1,07,410	15,33,071	2,60,568	1,14,368	-21,061	3,20,040	10,530	22,17,517
Oct-24	0.940	1,00,965	1,07,410	10,95,454	2,40,030	1,00,246	-1,247	3,20,040		17,54,522
Total	**0.925**	**17,18,896**	**18,51,852**							**2,20,79,187**


KWh Consumption
2,50,000
2,00,000
1,50,000
1,00,000
50,000
0
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24

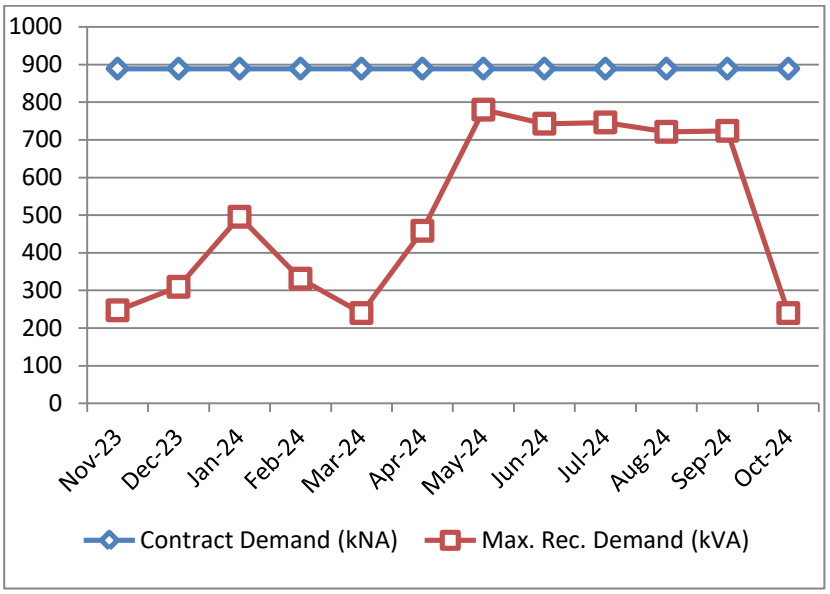

KVAh Consumption
2,50,000
2,00,000
1,50,000
1,00,000
50,000
0
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24


Total Amount (Rs.)
25,00,000
20,00,000
15,00,000
10,00,000
5,00,000
0
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24

3.7 MAXIMUM DEMAND VARIATIONS

HBTU building has a Contract Demand of 889 kVA. From the electricity bill from Nov-22 to Oct-24, the maximum recorded demand varies from 239.90 kVA to 780.00 kVA.

Month	Contract Demand	Max. Rec. Demand
	kVA	kVA
Nov-23	889	247.20
Dec-23	889	309.60
Jan-24	889	495.60
Feb-24	889	331.20
Mar-24	889	239.90
Apr-24	889	458.40
May-24	889	780.00
Jun-24	889	742.80
Jul-24	889	746.20
Aug-24	889	721.20
Sep-24	889	723.80
Oct-24	889	239.90



3.7.1 OBSERVATION:

From the above data, it is observed that recorded demand has not crossed the Contract demand (i.e., 889 kVA). Therefore, no any penalty was not observed in the electricity bill. So we have not recommended any recommendation on Contract demand.

3.8 POWER FACTOR VARIATIONS

The building is being billed on a KVAh basis; therefore, the effect of the power factor is inbuilt into the billing structure. In the electricity bill, PF varies from 0.84 to 0.98, and the average power factor is 0.925, indicating scope for consistent improvement.

CHAPTER 4 REACTIVE POWER COMPENSATION

4.1 CAPACITOR BANK

Harcourt Butler Technical University (HBTU), Management has installed 300 kVAR APFC for power factor improvement on the LT Side. The building is being billed on a KVAh basis; therefore, the effect of the power factor is inbuilt into the billing structure. Details of the different ratings of capacitors have been tabulated below;

Capacitor Bank Rating	Quantity
5 KVAr	1
10 KVAr	2
25 KVAr	3
50 KVAr	4

Description	Avg. Power Factor
Min. PF	0.84
Max. PF	0.98
Average PF	**0.925**

4.2 RECOMMENDATIONS

4.2.1 PERFORMANCE EVALUATION OF THE CAPACITOR BANK

S No.	Location	KVAR Installed	Rated Current	Ampere Delivered			Total Ampere Delivered	% Delivery
		KVAR	(Amp.)	R-Phase	Y-Phase	B-Phase		
1	Electrical Section Room	5	**79**	6.3	6.5	6.3	6.37	**8.06**
2		10	**13.12**	8.3	9.4	9.1	8.93	**68.09**
3		25	**32.8**	31.2	30.7	27.5	29.80	**90.85**
4		50	**64.2**	49.4	47.8	45.9	47.70	**74.30**

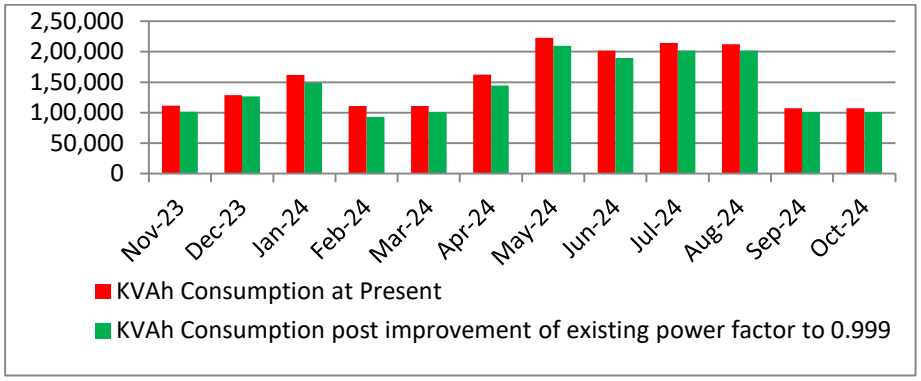
4.2.2 IMPROVEMENT IN THE OPERATING POWER FACTOR

There is one 300 KVAr capacitor bank panel installed in the building at the LT Side. The building is being billed on a KVAh basis; therefore, the effect of the power factor is built into the billing structure. During the Year, the operating power factor varied from 0.84 to 0.98, and the average Power Factor was around 0.925, which is on the lower side, indicating scope for consistent improvement.

It is thus recommended to install additional capacitor banks on the APFC Panel or the capacitor banks wherein the delivery is poor (less than 70%) or out of order may be replaced so that the overall system power factor is maintained at around 0.99 (lag).

Improvement in the power factor would subsequently reduce the KVAh consumption, resulting in energy savings as follows:

Month	KVAh Cons. at Present	Existing Power Factor	KVAh Consumption post improvement of existing power factor to 0.999	Net Reduction in KVAh Consumption	The corresponding reduction in Energy Charges (Rs)	Total Monitory Benefit (Rs)
Nov-23	1,11,613	0.91	1,01,669	9,944	78,056	78,056
Dec-23	1,28,957	0.98	1,26,504	2,453	19,253	19,253
Jan-24	1,61,591	0.92	1,48,813	12,778	1,00,311	1,00,311
Feb-24	1,11,048	0.84	93,374	17,674	1,38,743	1,38,743
Mar-24	1,10,951	0.91	1,01,066	9,885	77,594	77,594
Apr-24	1,62,173	0.89	1,44,478	17,695	1,38,902	1,38,902
May-24	2,22,606	0.94	2,09,459	13,147	1,03,203	1,03,203
Jun-24	2,01,796	0.94	1,89,878	11,918	93,555	93,555
Jul-24	2,14,311	0.94	2,01,654	12,657	99,357	99,357
Aug-24	211986	0.95	2,01,588	10,398	81,622	81,622
Sep-24	1,07,410	0.94	1,01,066	6,344	49,797	49,797
Oct-24	1,07,410	0.94	1,01,066	6,344	49,797	49,797
Total	**18,51,852**	**0.925**	**17,20,617**	**1,31,235**	**10,30,191**	**10,30,191**



4.2.3 Energy Savings

Average Power Consumption at Present	18,51,852KVAh
Average Operating Power factor at present	0.925
Average Power Consumption post improvement of power factor from 0.925 to 0.999	17,20,617 KVAh
Net Reduction in Power Consumption per Annum	1,31,235 KVAh per annum
Total Monitory Benefit per annum	Rs 10.3 Lacs
Estimated Investments [for replacement of dead Capacitor Bank]	Rs 2.0 Lacs
Simple Payback Period	**2-3 months**
IRR	**514.04%**

For this, the building management may also have to install multiple smaller-capacity capacitor banks of 1/3/5 KVAr in place of a higher rating of the capacitor bank. Normally, under partial load conditions, the higher rating capacitors are not triggered, leading to a low system power factor under such situations. With multiple smaller-capacity capacitor banks in place, the operation power factor would consistently be maintained around the set point.

CHAPTER 5 BUILDING LOAD PROFILE

5.1 LOADING ON MAIN INCOMER

During the audit, the total loading was recorded on both Transformers at 11 KV LT Side, and the averaged-out readings are given herein:

5.1.1 LOAD PROFILE OF MAIN BUILDING (TR-1 630KVA)

Parameter	Unit	Min	Max	Average
L1 RMS Voltage	V	253.6	255.9	254.8
L2 RMS Voltage	V	252.4	254.7	253.3
L3 RMS Voltage	V	254.3	256.2	255.1
L1 RMS Current	Amp	80.6	121.8	97.2
L2 RMS Current	Amp	108	144.7	124.7
L3 RMS Current	Amp	110.2	133.3	119.9
L1 PF	-	0.716	0.891	0.815
L2 PF	-	0.689	0.844	0.754
L3 PF	-	0.637	0.777	0.7
L1 Active Power	KW	14.64	27.77	20.18
L2 Active Power	KW	18.78	31.11	23.82
L3 Active Power	KW	17.85	26.54	21.41
Total Active Power	**KW**	**51.27**	**85.41**	**65.41**
L1 Apparent Power	KVA	20.44	31.17	24.77
L2 Apparent Power	KVA	27.26	36.86	31.59
L3 Apparent Power	KVA	28.02	34.15	30.59
Total Apparent Power	**KVA**	**75.72**	**102.18**	**86.94**

5.1.2 LOAD PROFILE OF STEP BUILDING (TR-2 100KVA)

Parameter	Unit	Min	Max	Average
L1 RMS Voltage	V	194.8	226.8	213.3
L2 RMS Voltage	V	245.6	247.8	246.6
L3 RMS Voltage	V	242.7	243.9	243.4
L1 RMS Current	Amp	22	30.3	25.8
L2 RMS Current	Amp	20.8	29.1	24.5
L3 RMS Current	Amp	17.2	24.8	21.3
L1 PF	-	0.988	0.998	0.995
L2 PF	-	0.634	0.689	0.664
L3 PF	-	0.441	0.463	0.454
L1 Active Power	KW	4.23	6.86	5.48
L2 Active Power	KW	3.24	4.97	4.01
L3 Active Power	KW	1.84	2.80	2.35
Total Active Power	**KW**	**9.31**	**14.63**	**11.84**
L1 Apparent Power	KVA	4.29	6.87	5.50
L2 Apparent Power	KVA	5.11	7.21	6.04
L3 Apparent Power	KVA	4.17	6.05	5.18
Total Apparent Power	**KVA**	**13.57**	**20.13**	**16.73**

5.1.3 Load Profile of Hostel, Colony, Residential & Admin Building (TR-3 400KVA)

Parameter	Unit	Min	Max	Average
L1 RMS Voltage	V	248.9	251.5	250.7
L2 RMS Voltage	V	247.6	250.3	249.1
L3 RMS Voltage	V	204.8	227.2	216.4
L1 RMS Current	Amp	51.9	86.3	67.3
L2 RMS Current	Amp	59.2	67.9	64.5
L3 RMS Current	Amp	86	113.3	99.2
L1 PF	-	0.988	0.998	0.995
L2 PF	-	0.634	0.689	0.664
L3 PF	-	0.441	0.463	0.454
L1 Active Power	KW	12.76	21.66	16.79
L2 Active Power	KW	9.29	11.71	10.67
L3 Active Power	KW	7.77	11.92	9.75
Total Active Power	**KW**	**29.82**	**45.29**	**37.20**
L1 Apparent Power	KVA	12.92	21.70	16.87
L2 Apparent Power	KVA	14.66	17.00	16.07
L3 Apparent Power	KVA	17.61	25.74	21.47
Total Apparent Power	**KVA**	**45.19**	**64.44**	**54.41**

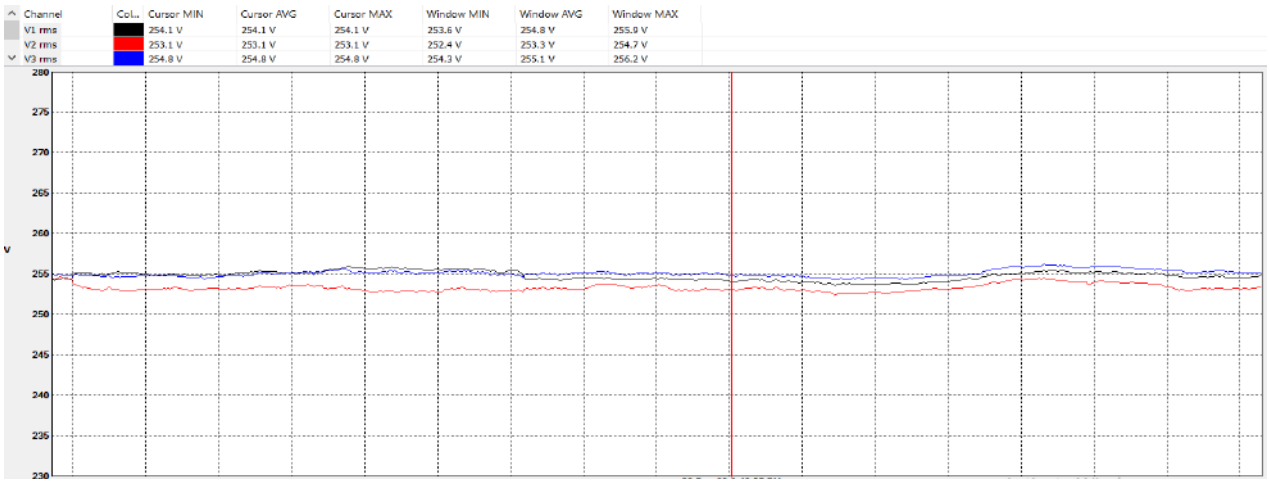
5.1.4 Load Profile of Workshop Building (TR-4 630KVA)

Parameter	Unit	Min	Max	Average
L1 RMS Voltage	V	254.2	255.3	254.7
L2 RMS Voltage	V	252.4	253.7	253
L3 RMS Voltage	V	254.6	255.6	255.1
L1 RMS Current	Amp	80.6	88.3	82.4
L2 RMS Current	Amp	124.2	137	129.2
L3 RMS Current	Amp	119	132.9	122.9
L1 PF	-	0.67	0.764	0.697
L2 PF	-	0.757	0.81	0.78
L3 PF	-	0.687	0.771	0.709
L1 Active Power	KW	13.73	17.22	14.63
L2 Active Power	KW	23.73	28.15	25.50
L3 Active Power	KW	20.81	26.19	22.23
Total Active Power	**KW**	**58.27**	**71.57**	**62.35**
L1 Apparent Power	KVA	20.49	22.54	20.99
L2 Apparent Power	KVA	31.35	34.76	32.69
L3 Apparent Power	KVA	30.30	33.97	31.35
Total Apparent Power	**KVA**	**82.13**	**91.27**	**85.03**

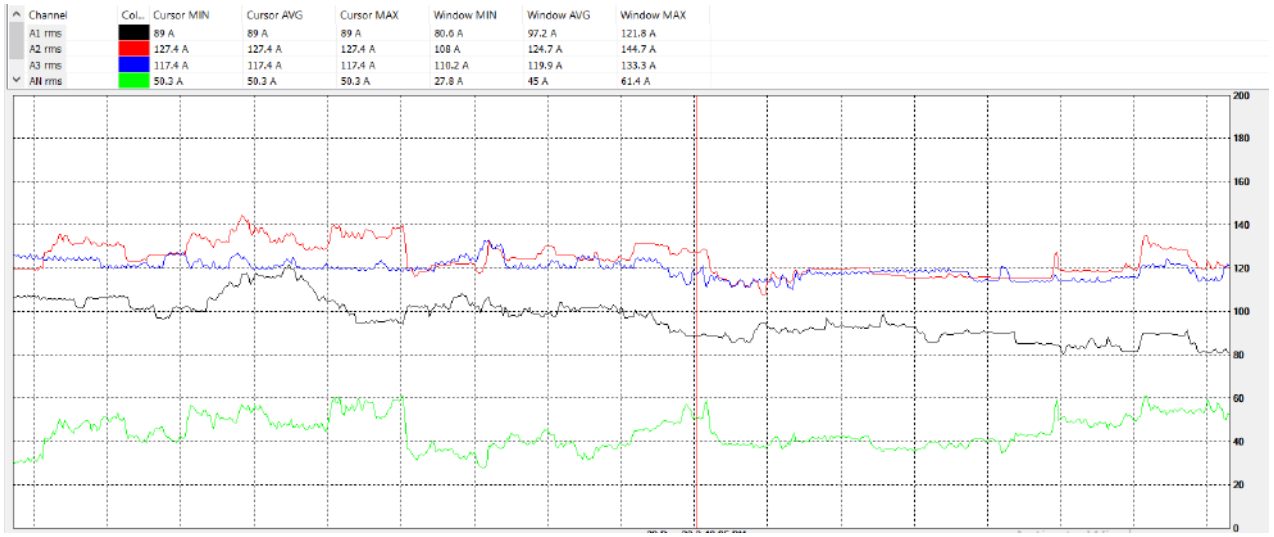
5.2 GRAPHICAL LOAD PROFILE

5.2.1 GRAPHICAL LOAD PROFILE OF 630KVA TRANSFORMER-1 FOR MAIN BUILDING

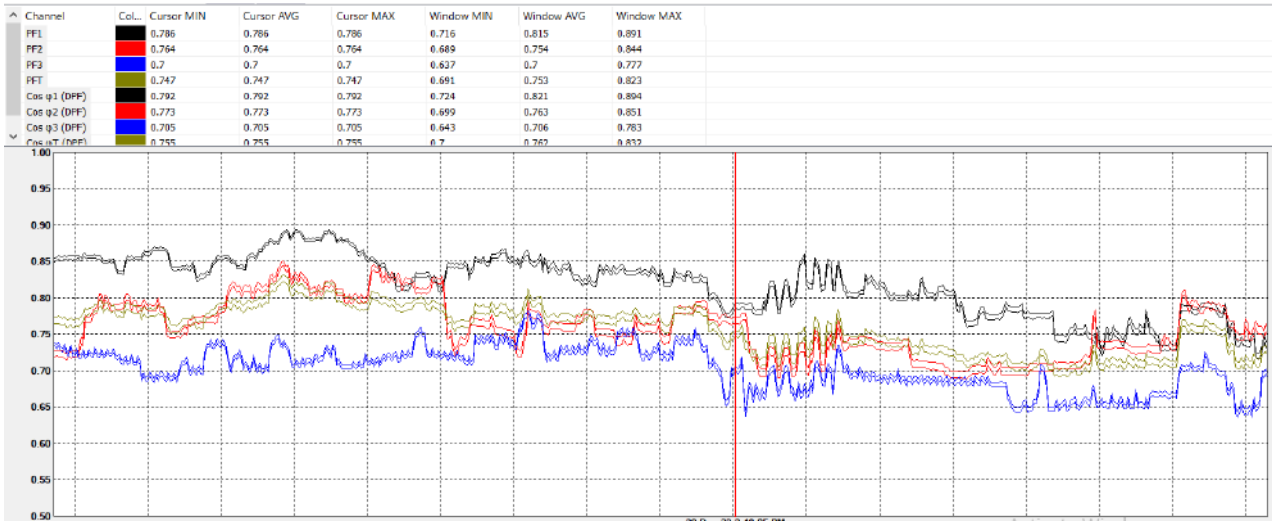
A. Graphical Voltage Profile (V)



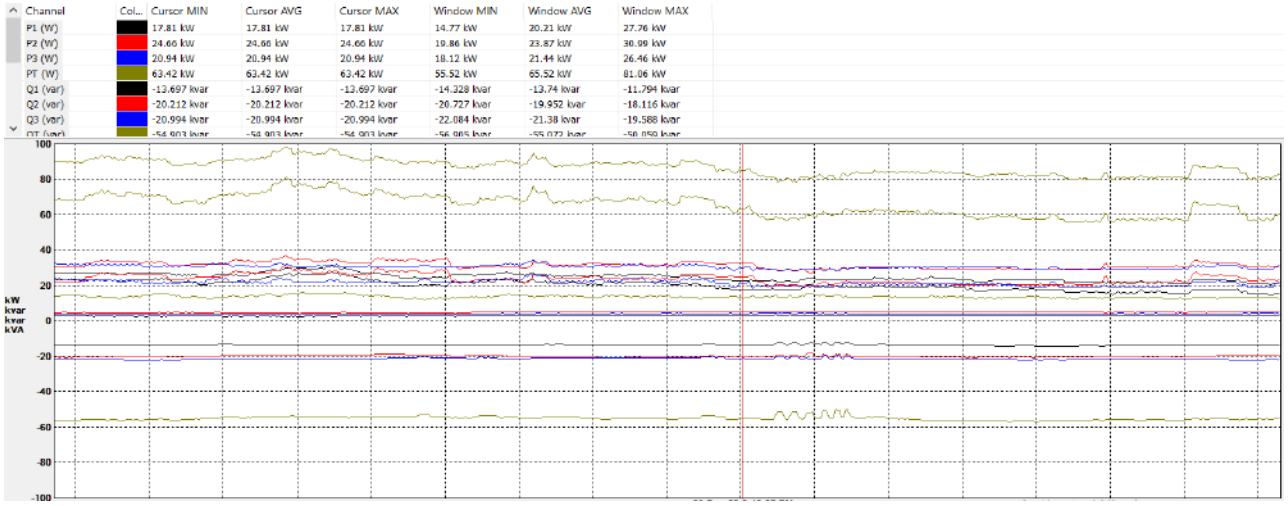
B. Graphical Current Profile (A)



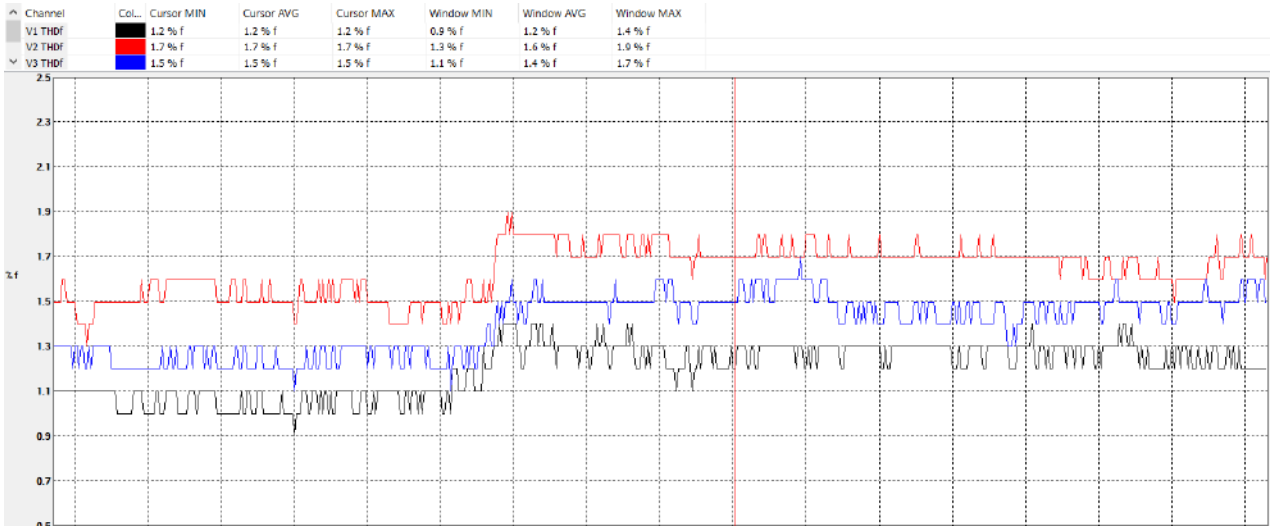
C. Graphical Power Factor Profile



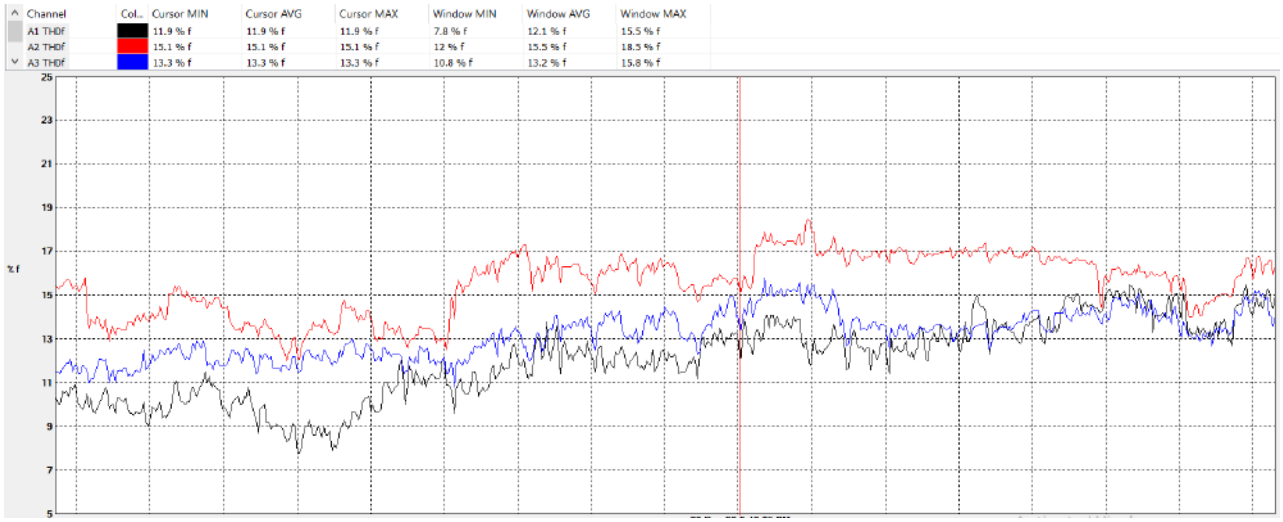
D. Graphical Load Profile (KW)



E. Graphical Voltage Harmonics Profile

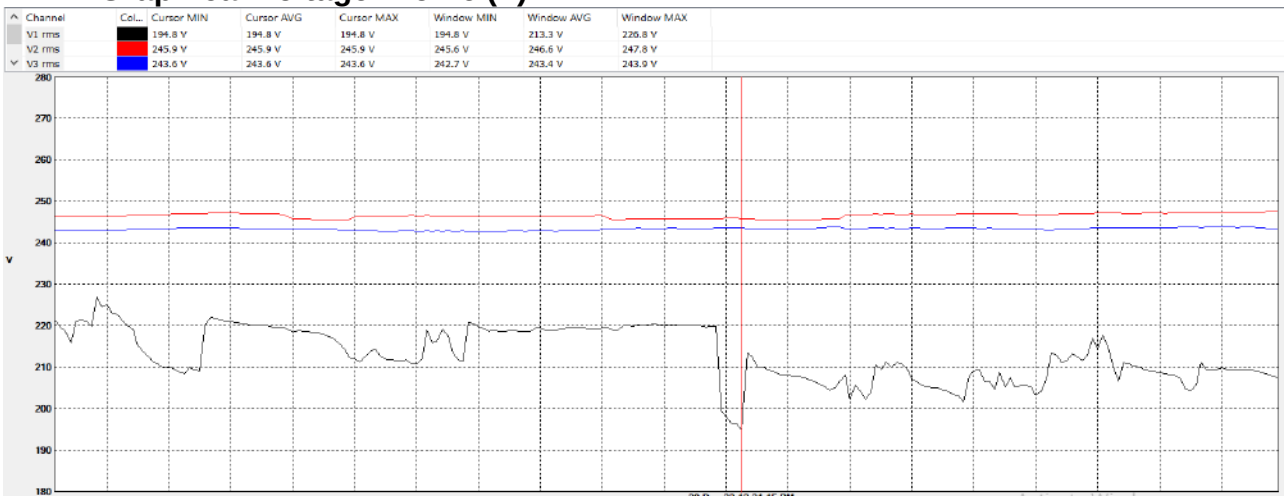


F. Graphical Current Harmonics Profile

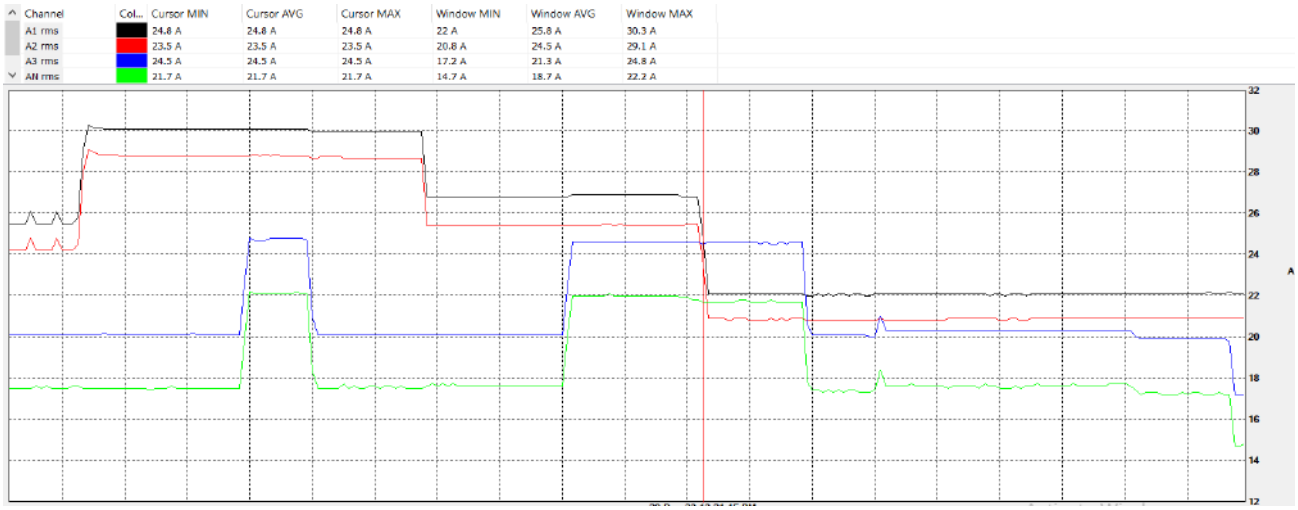


5.2.2 Graphical Load Profile of 100KVA Transformer-2 for Step Building

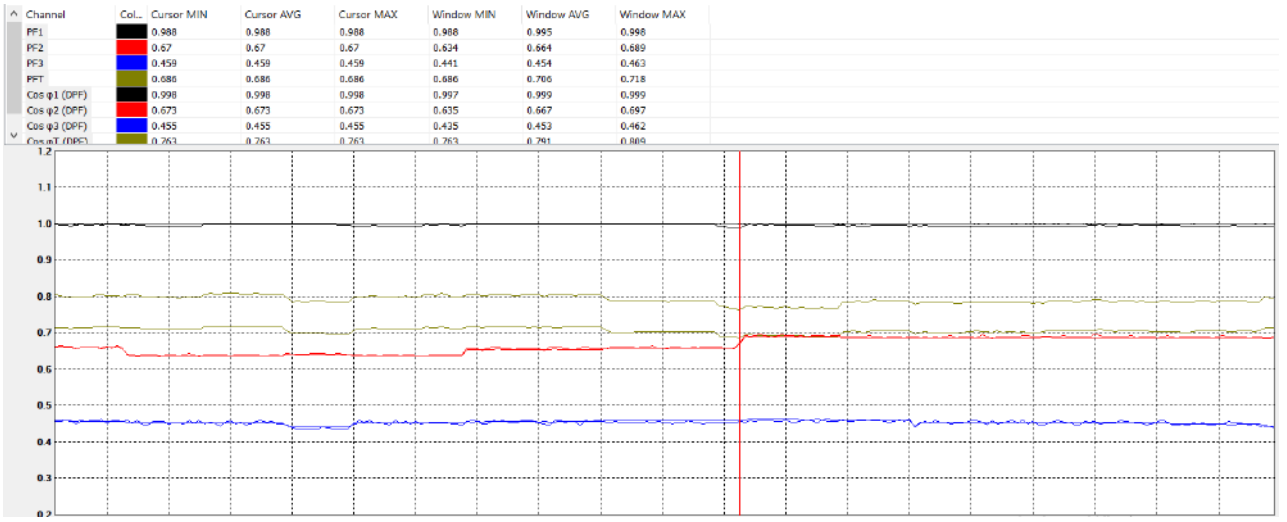
A. Graphical Voltage Profile (V)



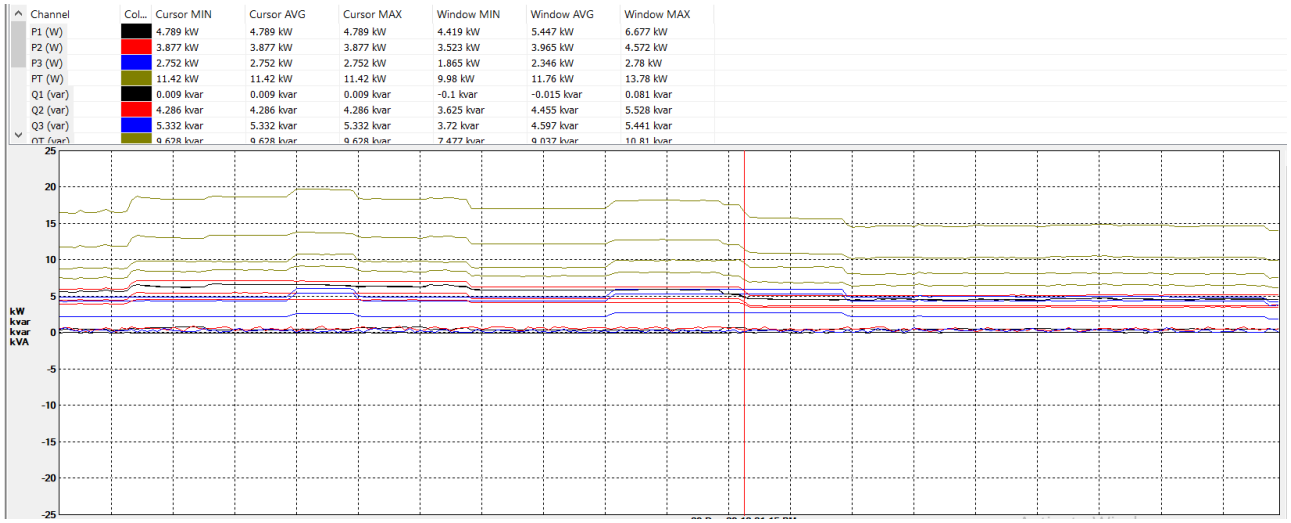
B. Graphical Current Profile (A)



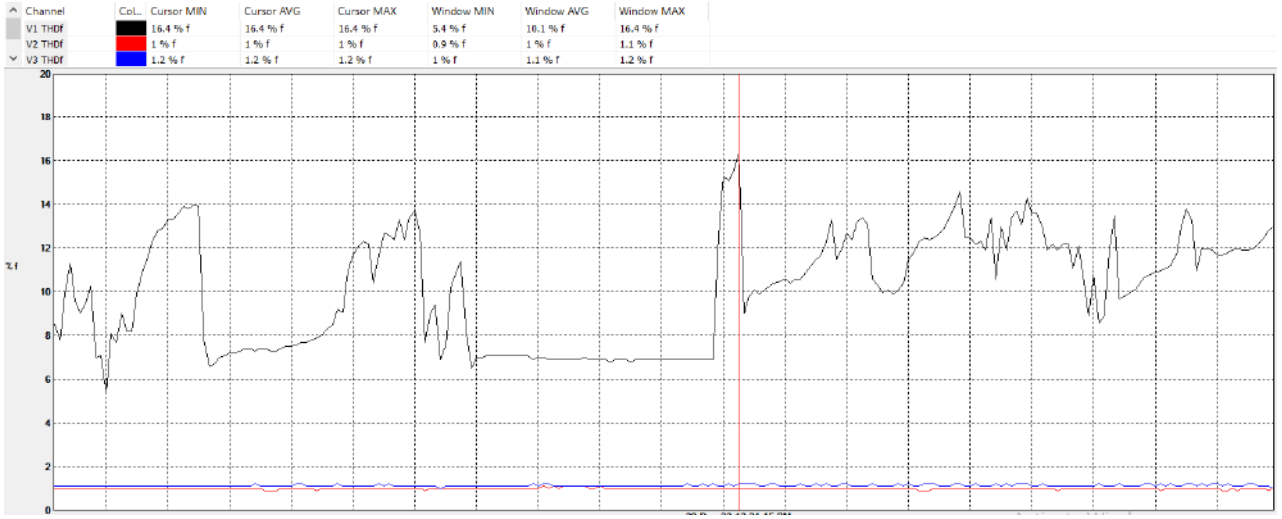
C. Graphical Power Factor Profile



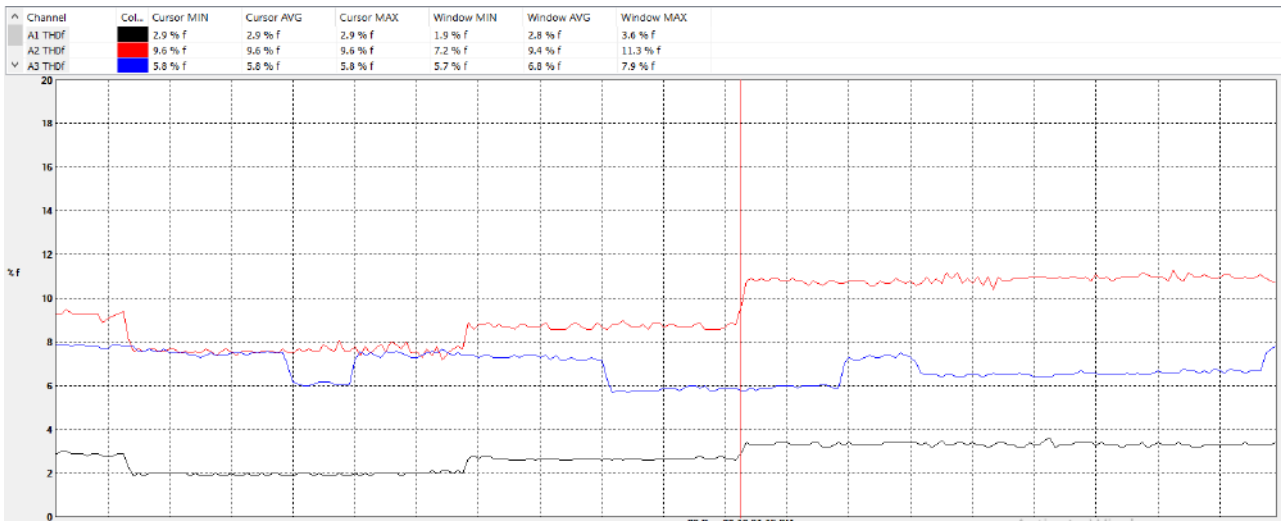
D. Graphical Load Profile (KW)



E. Graphical Voltage Harmonics Profile

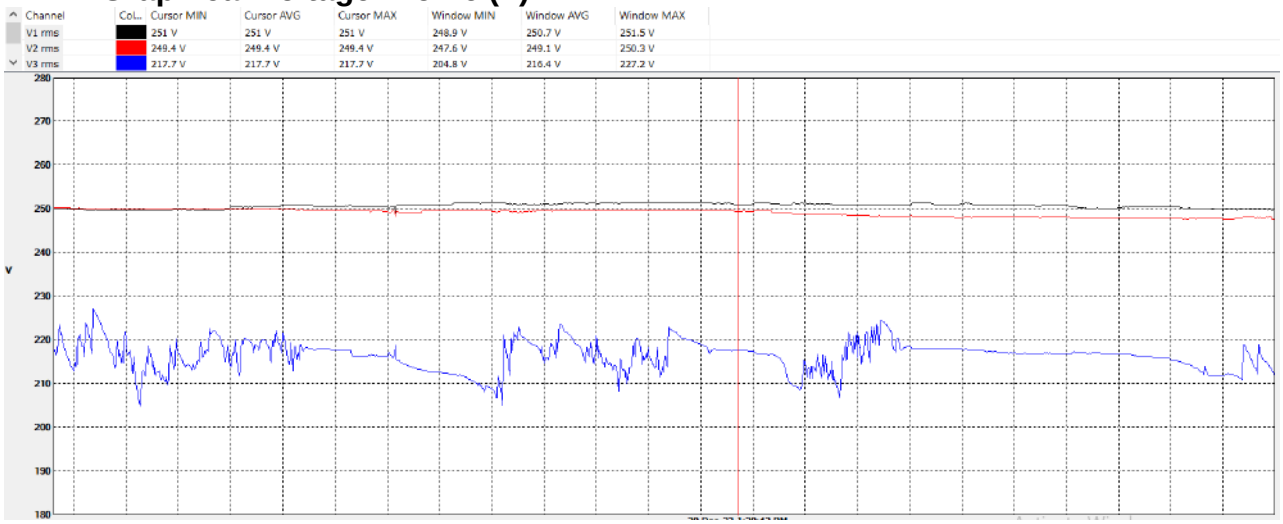


F. Graphical Current Harmonics Profile

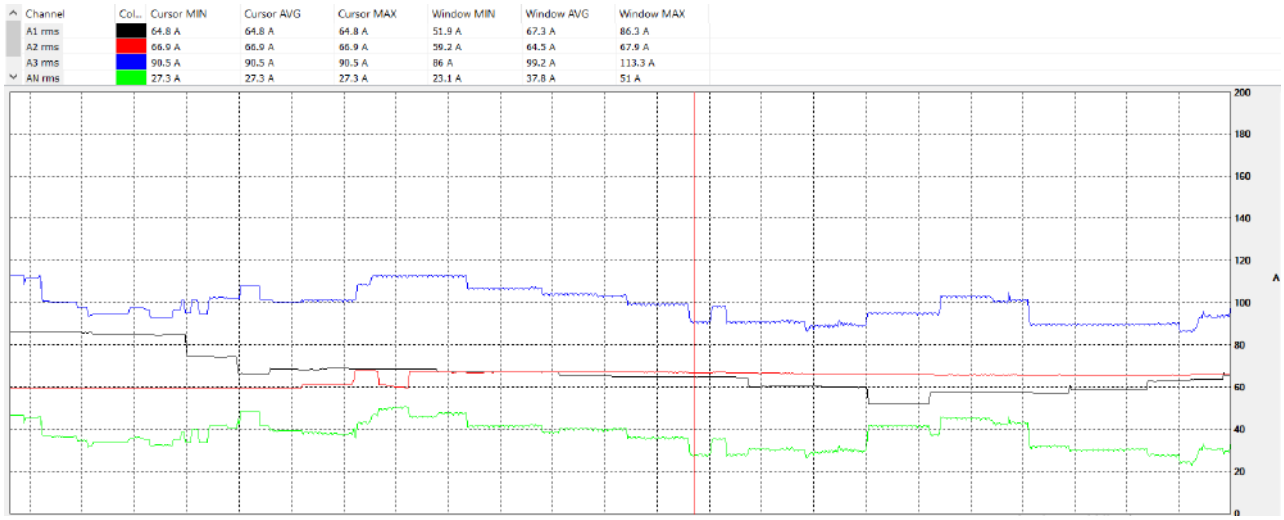


5.2.3 GRAPHICAL LOAD PROFILE OF 400KVA TRANSFORMER-3 FOR HOSTEL, COLONY, RESIDENTIAL & ADMIN BUILDING

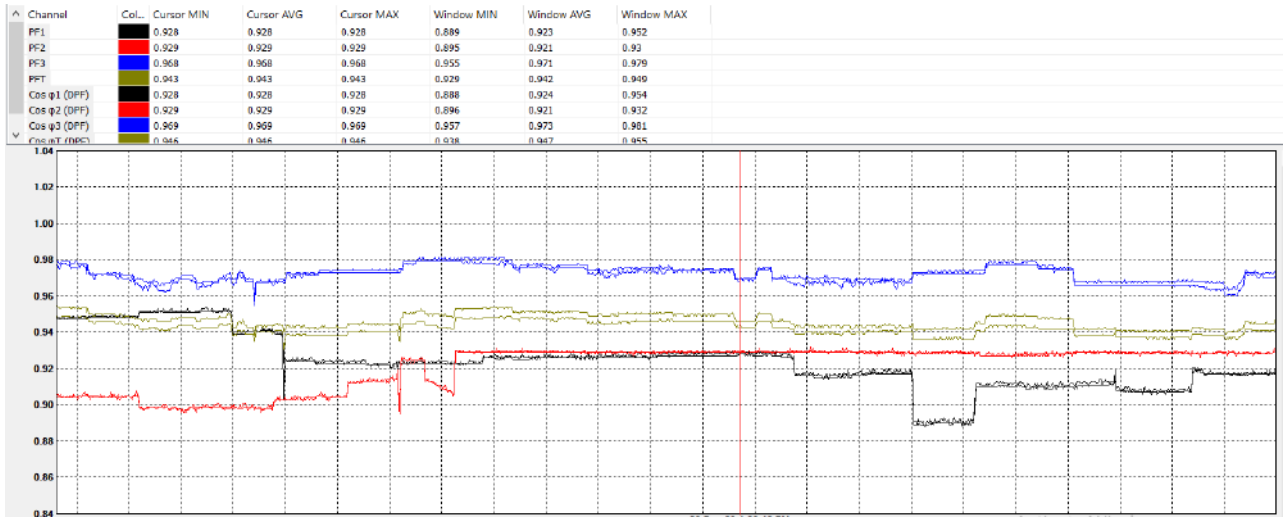
A. Graphical Voltage Profile (V)



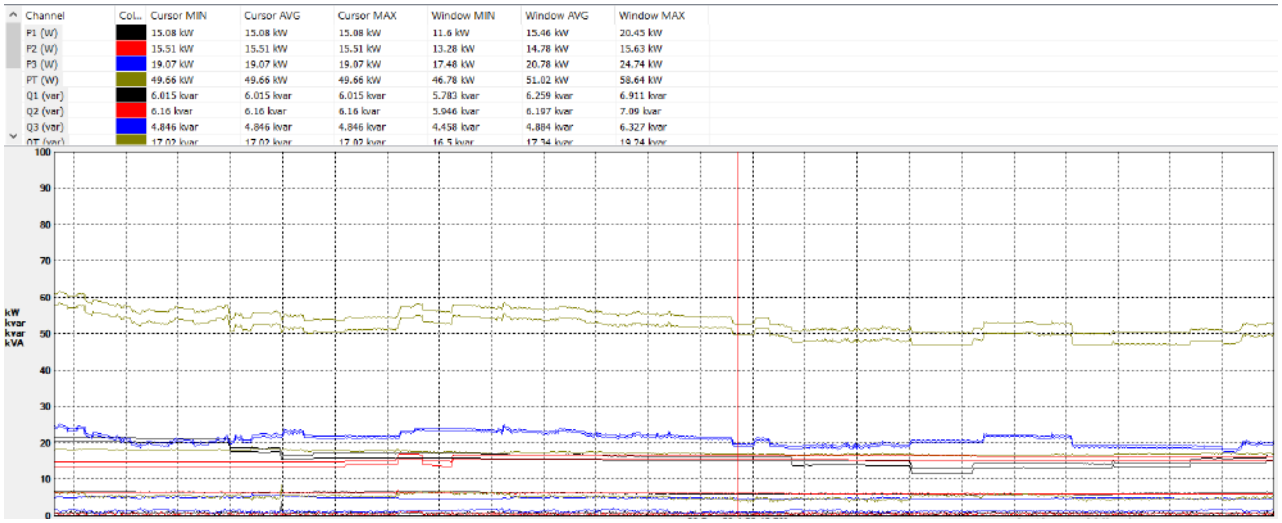
B. Graphical Current Profile (A)



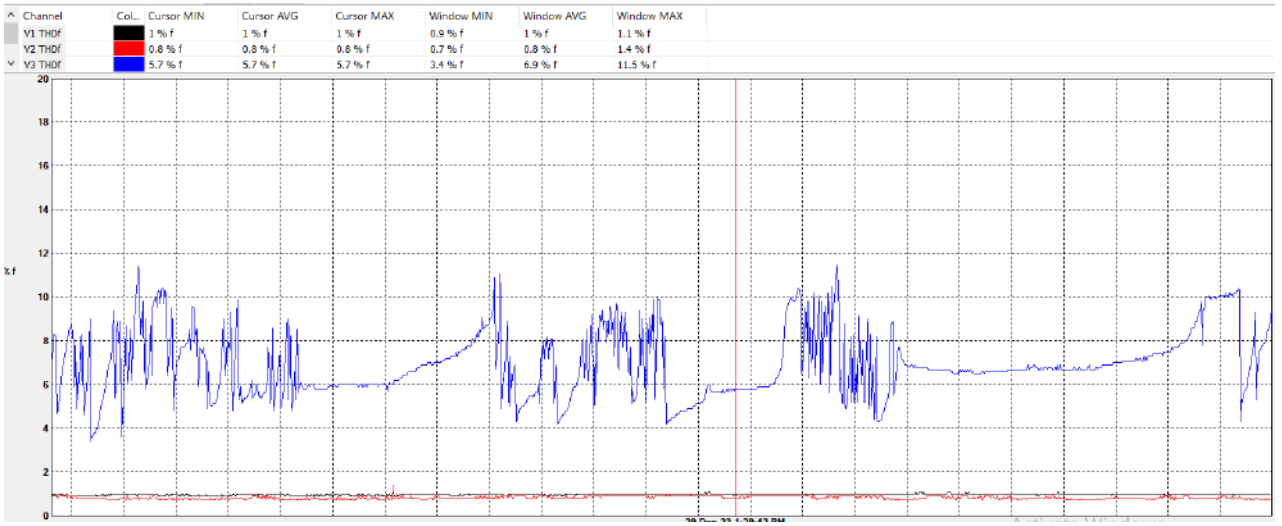
C. Graphical Power Factor Profile



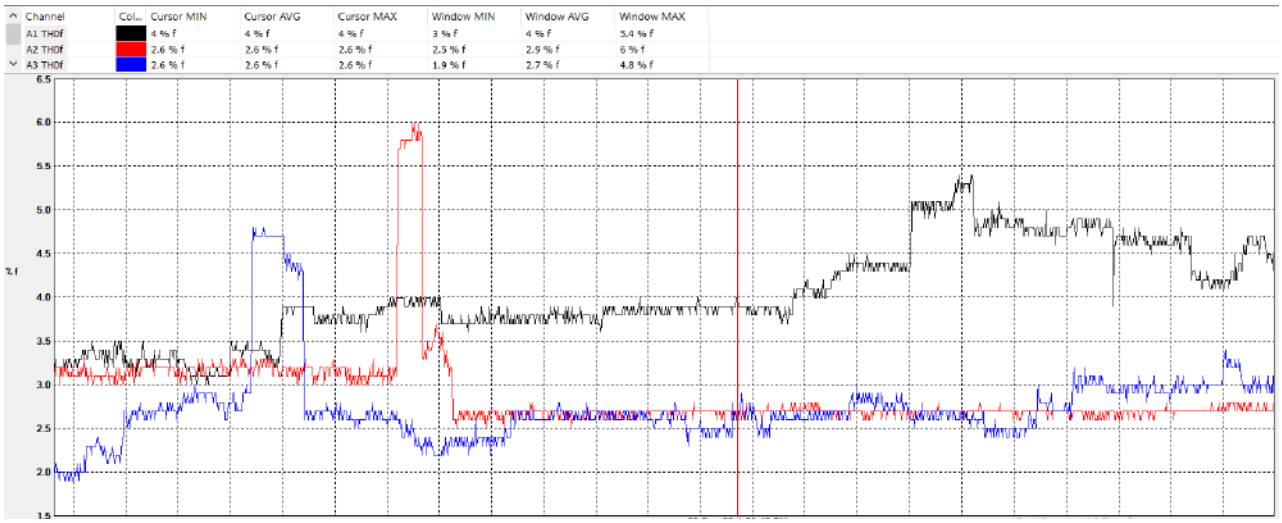
D. Graphical Load Profile (KW)



E. Graphical Voltage Harmonics Profile

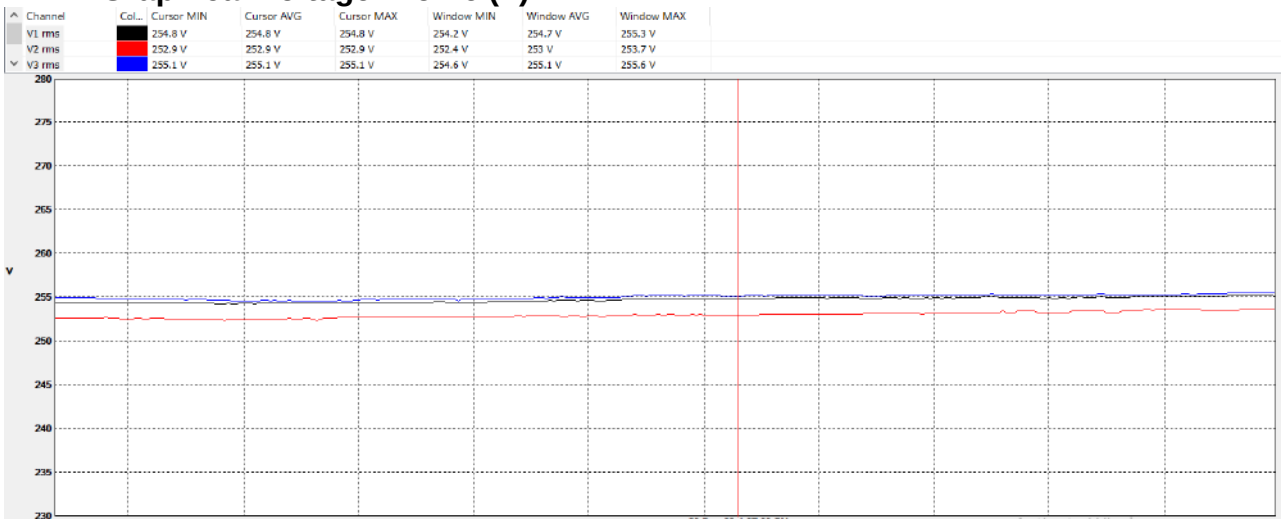


F. Graphical Current Harmonics Profile

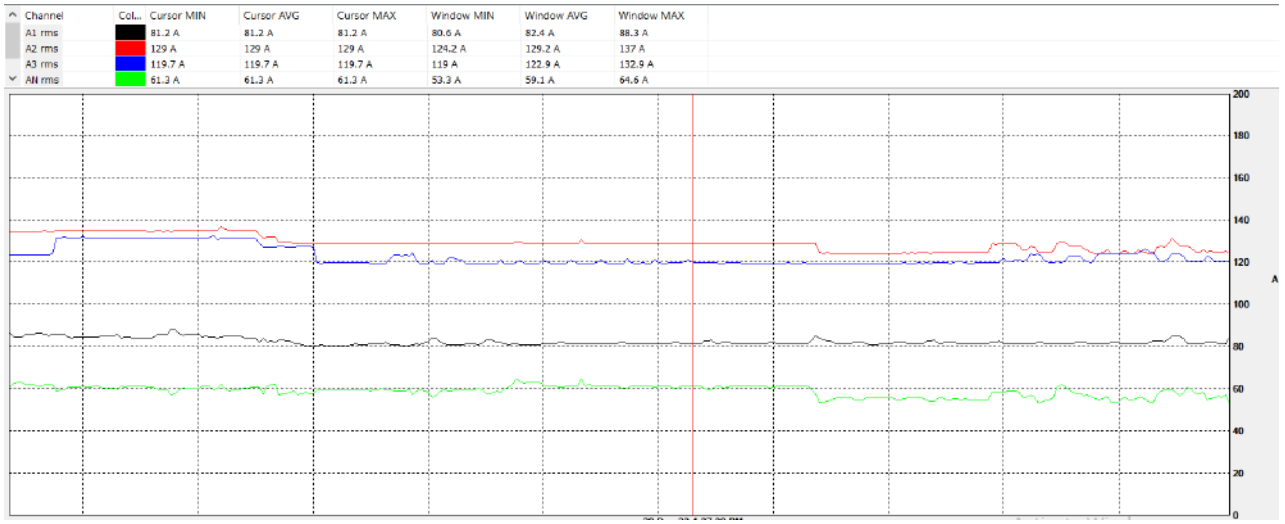


5.2.4 GRAPHICAL LOAD PROFILE OF 630KVA TRANSFORMER-4 FOR WORKSHOP BUILDING

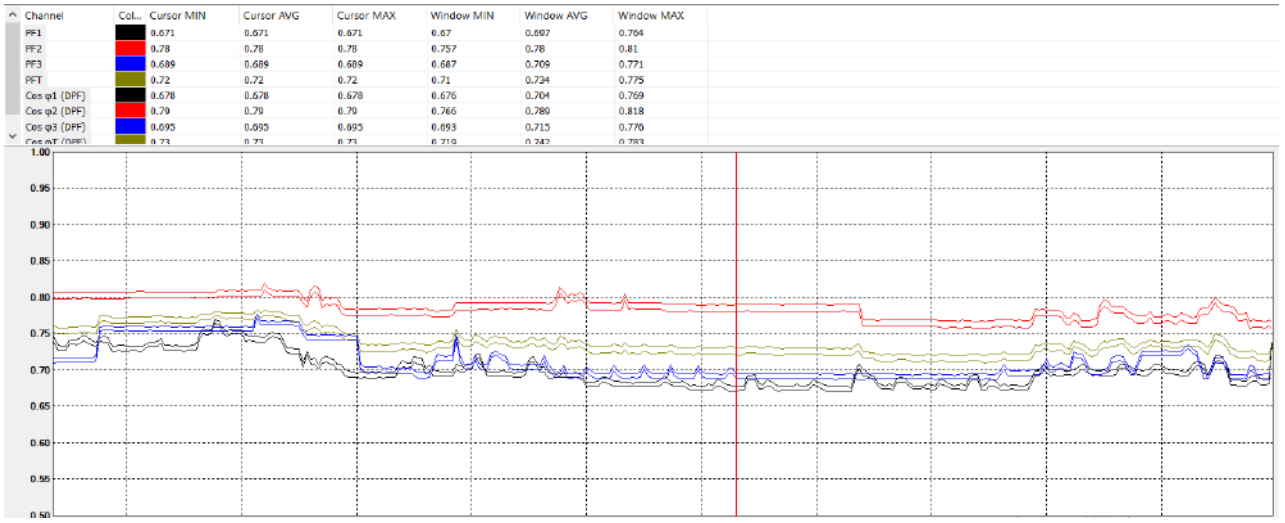
A. Graphical Voltage Profile (V)



B. Graphical Current Profile (A)

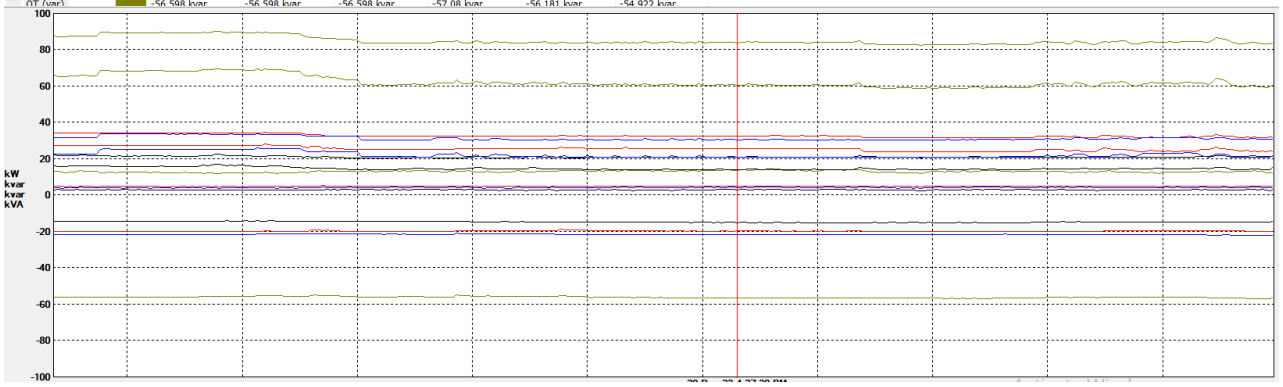


C. Graphical Power Factor Profile



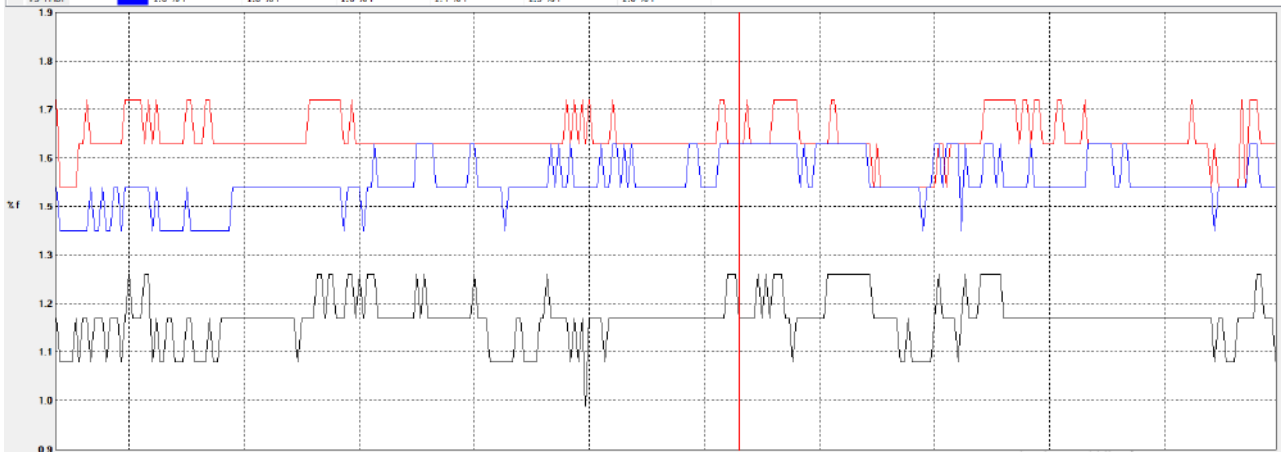
D. Graphical Load Profile (KW)

Channel	Col...	Cursor MIN	Cursor AVG	Cursor MAX	Window MIN	Window AVG	Window MAX
P1 (W)		13.89 kW	13.89 kW	13.89 kW	13.89 kW	14.64 kW	17.14 kW
P2 (W)		25.46 kW	25.46 kW	25.46 kW	23.86 kW	25.5 kW	28.03 kW
P3 (W)		21.03 kW	21.03 kW	21.03 kW	20.95 kW	22.23 kW	26.09 kW
PT (W)		60.39 kW	60.39 kW	60.39 kW	58.84 kW	62.38 kW	69.66 kW
Q1 (var)		-15.072 kvar	-15.072 kvar	-15.072 kvar	-15.155 kvar	-14.745 kvar	-14.163 kvar
Q2 (var)		-19.767 kvar	-19.767 kvar	-19.767 kvar	-20.098 kvar	-19.809 kvar	-18.852 kvar
Q3 (var)		-21.758 kvar	-21.758 kvar	-21.758 kvar	-22.04 kvar	-21.628 kvar	-20.888 kvar
QT (var)		-56.598 kvar	-56.598 kvar	-56.598 kvar	-57.08 kvar	-56.181 kvar	-54.922 kvar



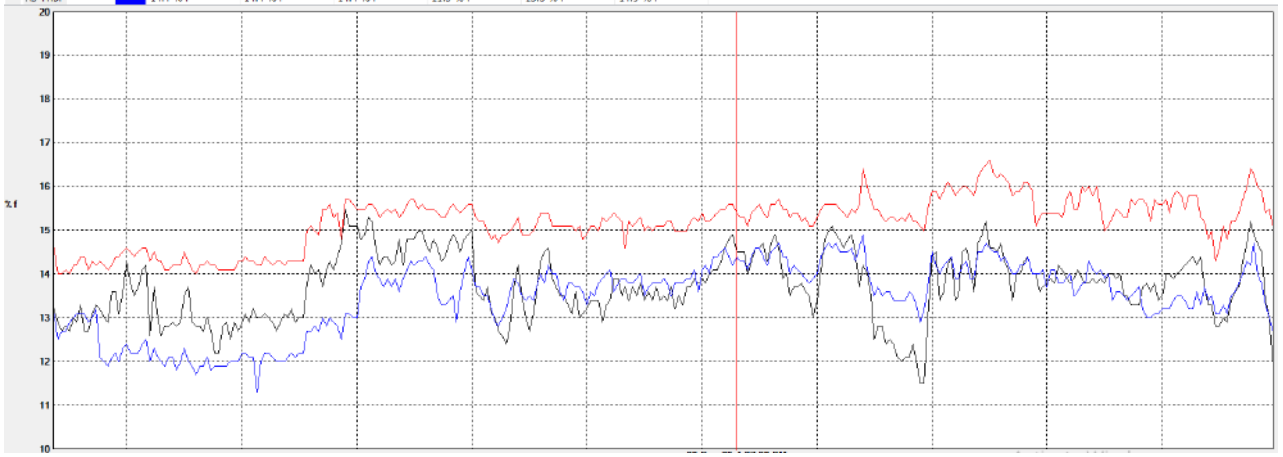
E. Graphical Voltage Harmonics Profile

Channel	Col...	Cursor MIN	Cursor AVG	Cursor MAX	Window MIN	Window AVG	Window MAX
V1 THDf		1.2 % f	1.2 % f	1.2 % f	1 % f	1.2 % f	1.3 % f
V2 THDf		1.6 % f	1.6 % f	1.6 % f	1.5 % f	1.6 % f	1.7 % f
V3 THDf		1.6 % f	1.6 % f	1.6 % f	1.4 % f	1.5 % f	1.6 % f



F. Graphical Current Harmonics Profile

Channel	Col...	Cursor MIN	Cursor AVG	Cursor MAX	Window MIN	Window AVG	Window MAX
A1 THDf		14.5 % f	14.5 % f	14.5 % f	11.5 % f	13.7 % f	15.5 % f
A2 THDf		15.4 % f	15.4 % f	15.4 % f	14 % f	15.2 % f	16.6 % f
A3 THDf		14.4 % f	14.4 % f	14.4 % f	11.3 % f	13.5 % f	14.9 % f



5.3 OTHERS LOAD

Particulars	Voltage (Volt)	Current (Amp.)	Power Factor	Load (KW)
Submersible Pump-1	423.6	19.91	0.82	11.98
Submersible Pump-2	423.6	21.35	0.82	12.84

UNBALANCING OF LOAD

During the audit, we measured the Power Quality on the LT Side and observed that the Voltage and Current were unbalanced in all three phases of all the transformers. The load on the building is much less, due to the winter season.

CHAPTER 6 POWER QUALITY

6.1 POWER QUALITY & HARMONICS

Equipment based on frequency conversion techniques generates harmonics. With the increased use of such equipment, **harmonics-related problems** have been enhanced.

The harmonic currents generated by different types of loads travel back to the source. While traveling back to the source, they generate harmonic voltages, following simple Ohm's Law. Harmonic voltages, which appear on the system bus, are harmful to other equipment connected to the same bus. In general, sensitive electronic equipment connected to this bus will be affected.

The Harmonic Voltage and Current Limitations set forth by IEEE 519 1992 are:

- Maximum Individual Frequency Voltage Harmonic: 3%
- Total Harmonic Distortion of the Voltage: 5%

harmonic current limitations

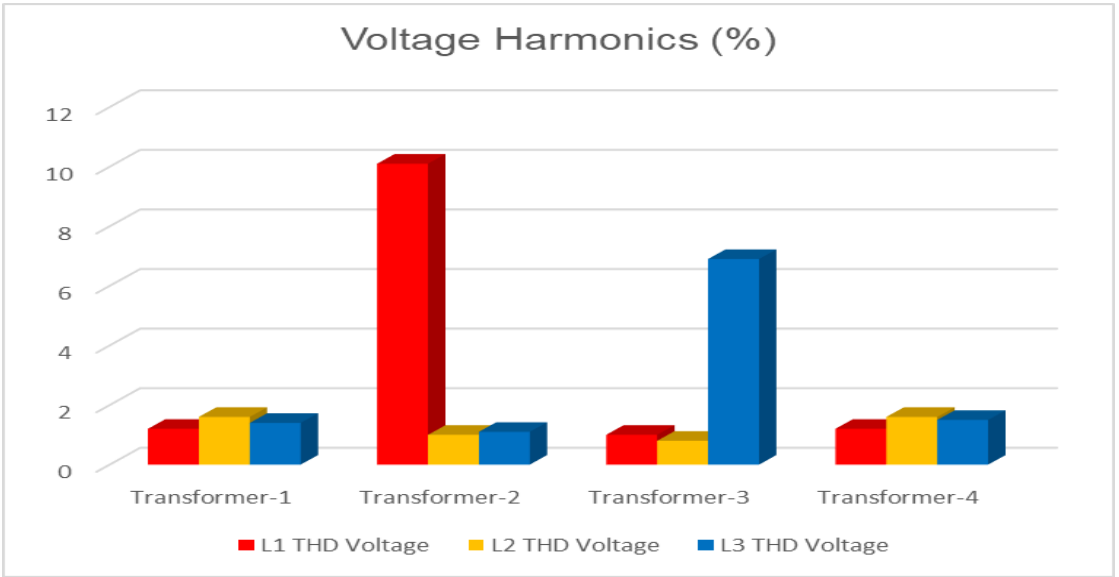
Maximum Harmonic Current Distortion in Percent of IL
120 Volt through 69 KV
Individual Harmonic Order (Odd Harmonics)

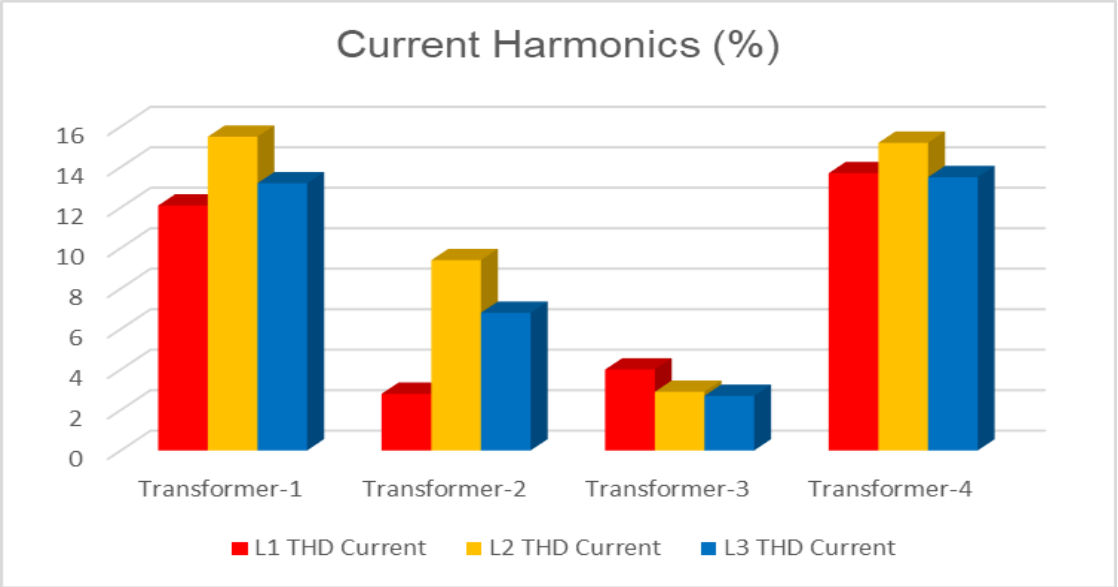
ISC/IL	h<11	11<h<17	17<h<23	23<h<35	35<h	TDD
<20*	4.0	2.0	1.5	0.6	0.3	5.0
20<50	7.0	3.5	2.5	1.0	0.5	8.0
50<100	10.0	4.5	4.0	1.5	0.7	12.0
100<1000	12.0	5.5	5.0	2.0	1.0	15.0
>1000	15.0	7.0	6.0	2.5	1.4	20.0

Even harmonics are limited to 25% of the odd harmonic limits
TDD refers to Total Demand Distortion based on the average demand current at the fundamental frequency and measured at the PCC (Point of Common Coupling).
*All power generation equipment is limited to these values of current distortion regardless of ISC/ IL value.
ISC = Maximum short-circuit current at PCC.
IL = Maximum demand load current (fundamental) at the PCC.
h = Harmonic number.

The Harmonics Level on the LT side was measured, details of which are as under: -

Particulars	Transformer-1	Transformer-2	Transformer-3	Transformer-4
	Voltage Harmonics (V THD)			
"R" Phase	1.2	10.1	1	1.2
"Y" Phase	1.6	1	0.8	1.6
"B" Phase	1.4	1.1	6.9	1.5
	Current Harmonics (A THD)			
"R" Phase	12.1	2.8	4	13.7
"Y" Phase	15.5	9.4	2.9	15.2
"B" Phase	13.2	6.8	2.7	13.5





As detailed above, the voltage harmonics levels were around 1.2-1.6%, the levels of the current harmonics were 12.1-15.5% on the LT Side of TR-1, voltage harmonics levels were around 1.0-10.1%, the levels of the current harmonics were 2.8-9.4% on the LT Side of TR-2, voltage harmonics levels were around 0.8-6.9%, the levels of the current harmonics were 2.7-4.0% on the LT Side of TR-3 and voltage harmonics levels were around 1.2-1.6%, the levels of the current harmonics were 13.5-15.2% on the LT Side of TR-4.

The Overall Average current harmonics are within limits of TR- 1 to TR-4. However, the average voltage harmonics are exceeds the limits of TR-2 & TR-3.

If the Harmonics level is on the higher side, then appropriate harmonic filters may have to be installed in the system.

Different technologies are available to mitigate the harmonics of the system. These include:

Detuned or broadband harmonic filters: these filter banks are tuned to a frequency just below the predominant harmonic frequency. If the predominant harmonic frequency is say, 5th, it is normal practice to tune the filters to 189 Hz, or 3.78th harmonic, in 50 Hz systems.

Active Harmonic Filters: these units are designed in such a manner that, they will inject harmonic frequencies into the system, which will be in anti-phase of the load harmonic frequencies. This will effectively free the source being loaded due to harmonics.

6.2 OBSERVATIONS & SUGGESTIONS:

It is clear from the above data that the Overall Average Voltage harmonics and current harmonics are within limits of TR- 1 to TR-4.

Major Causes of Harmonics

Devices that draw non-sinusoidal currents when a sinusoidal voltage is applied create harmonics. Frequently these are devices that convert AC to DC. Some of these devices are listed below:

Electronic Switching Power Converters

- Computers, Uninterruptible power supplies (UPS), Solid-state rectifiers
- Electronic process control equipment, PLCs, etc.
- Electronic lighting ballasts, including light dimmer
- Reduced voltage motor controllers

Arcing Devices

- Discharge lighting, e.g. Fluorescent, Sodium, and Mercury vapor
- Arc furnaces, Welding equipment, Electrical traction system, Ferromagnetic

Devices

- Transformers operating near saturation level
- Magnetic ballasts (Saturated Iron core)
- Induction heating equipment, Chokes, Motors

Appliances

- TV sets, air conditioners, washing machines, microwave ovens
- Fax machines, photocopiers, printers

These devices use power electronics like SCRs, diodes, and thyristors, which are a growing Percentage of the load in industrial power systems.

Many problems can arise from harmonic currents in a power system. Some problems are easy to detect; others exist and persist because harmonics are not suspected. Higher RMS current and voltage in the system are caused by harmonic currents, which can result in any of the problems listed below:

Blinking of Incandescent Lights	Transformer Saturation
Capacitor Failure	Harmonic Resonance
Circuit Breakers Tripping	Inductive Heating and Overload
Conductor Failure	Inductive Heating
Electronic Equipment Shutting down	Voltage Distortion
Flickering of Fluorescent Lights	Transformer Saturation
Fuses Blowing for No Apparent Reason	Inductive Heating and Overload
Motor Failures (overheating)	Voltage Drop
Neutral Conductor and Terminal Failures	Additive triplen Currents
Electromagnetic Load Failures	Inductive Heating
Overheating of Metal Enclosures	Inductive Heating
Power Interference on Voice Communication	Harmonic Noise
Transformer Failures	Inductive Heating

CHAPTER 7 STUDY OF AIR CONDITIONS SYSTEMS

7.1 SYSTEMS INSTALLED

In a building complex Window/Split AC of different make are installed at various locations. The details are as follows,

Identification	AC Type	Tonnage	No Of AC	Star Rating	Total Tonnage (TR)
HBTU KANPUR U.P					
Guest House					
Room-1	Split	1.5	1	5	1.5
Room-2	Window	1.5	2	3	3
Room-3	Window	1.5	2	3	3
Room-4	Split	1.5	1	5	1.5
Room-5	Window	1.5	1	5	1.5
Room-6	Window	1.5	1	5	1.5
Dining Hall	Split	1.5	2	5	3
Lounge	Split	1.5	2	5	3
1st Floor					
Conference Hall	Split	1.5	2	3	3
Room-7	Window	1.5	1	5	1.5
Room-8	Window	1.5	1	3	1.5
Room-9	Split	1.5	1	5	1.5
Room-10	Window	1.5	1	3	1.5
Room-11	Split	1.5	1	5	1.5
Room-12	Window	1.5	1	3	1.5
Department Of Mechanical					
Mechanical Engg. Department	Split	1.5	1	3	1.5
Incubation Hub	Split	1.5	1	3	1.5
HOD Mechanical	Split	1.5	1	3	1.5
Room No-101A	Split	1.5	1	3	1.5
1st Floor					
Room No-101A	Window	1.5	1	3	1.5
Room No-104	Split	1.5	1	3	1.5
Room No-204	Split	1.5	1	3	1.5
Room No-205	Split	1.5	1	5	1.5
Room No-219 A	Window	1.5	2	3	3
Room No-212	Window	1.5	2	3	3
Room No-225 B	Window	1.5	2	3	3
Cad Lab Room No-206 B	Split	1.5	3	3	4.5
Room No-208 A	Split	1.5	3	3	4.5
Room No-207 A	Split	1.5	2	3	3
Department Of Computer					
Server Room	Window	1.5	2	3	3
Room No-101	Split	1.5	1	5	1.5
Room No-102	Split	1.5	1	3	1.5
Room No-104	Window	1.5	1	3	1.5
Room No-105	Window	1.5	1	5	1.5
Room No-106	Window	1.5	1	3	1.5
Room No-107	Window	1.5	1	3	1.5

Identification	AC Type	Tonnage	No Of AC	Star Rating	Total Tonnage (TR)
Room No-201	Window	1.5	2	3	3
Room No-204	Window	1.5	1	3	1.5
Room No-207	Window	1.5	1	3	1.5
Room No-211	Split	1.5	2	3	3
Room No-212	Split	1.5	2	3	3
CS Lab-4	Split	1.5	2	3	3
CS Lab-5	Split	1.5	3	3	4.5
CS Lab-6	Split	1.5	5	3	7.5
	Split	1.5	3	3	4.5
CS Lab-7	Split	1.5	5	3	7.5
	Split	1.5	3	3	4.5
CS Lab-8	Split	1.5	5	3	7.5
	Split	1.5	3	3	4.5
Department Of Chemical Engg.					
Ground Floor					
Room No-103	Split	2	1	5	2
Room No-108	Split	1.5	1	5	1.5
Room No-206	Split	1.5	1	5	1.5
TAGORE CENTRAL LIBRARY					
Ground Floor	Split	1.5	26	3	39
1st Floor	Split	1.5	34	3	51
Main Building					
Room 2-108	Window	1.5	1	3	1.5
Room 2-111	Window	1.5	1	3	1.5
Mr.Radha Sachan's Room	Split	1.5	1	3	1.5
Lab-1	Split	1.5	2	3	3
Department Of Paint Tech	Window	2	1	3	2
Room 1-166	Window	1.5	1	3	1.5
Office U.S.A.C	Window	1.5	1	3	1.5
Chemistry Department					
Research Laboratory-1	Split	1.5	3	3	4.5
Training Placement	Split	1.5	1	3	1.5
	Window	1.5	1	3	1.5
Central Store & Purchas	Split	1.5	1	3	1.5
Academic Section	Split	1.5	1	5	1.5
1st Floor					
Seminar Hall-1	Split	2	1	3	2
Seminar Hall-2	Split	2	1	3	2
EC-1	Split	2	5	3	10
EC-2	Split	2	5	3	10
Room 2-217	Split	1.5	1	3	1.5
Room 1-115	Split	1.5	1	3	1.5
Room 1-118	Split	1.5	3	3	4.5
Room 2-132	Split	1.5	1	3	1.5
Workshop Office					
Mr. Kuldeep Srivastav (JE Chamber)	Split	1.5	1	3	1.5
Total			**184**		**283**

Remark: Window/Split Acs are installed in the Building Complex at different locations. Performance was not evaluated on A/Cs as ACs were not operational due to the winter season.

The AC has of 5/3 Star rating installed in the building. **Energy Solution Company acknowledges and appreciates the commitment of the management toward the conservation of Energy.** It is recommended to install 5-star rated AC in place of 3 Star, a tentative 10-15% energy saving will be saved.

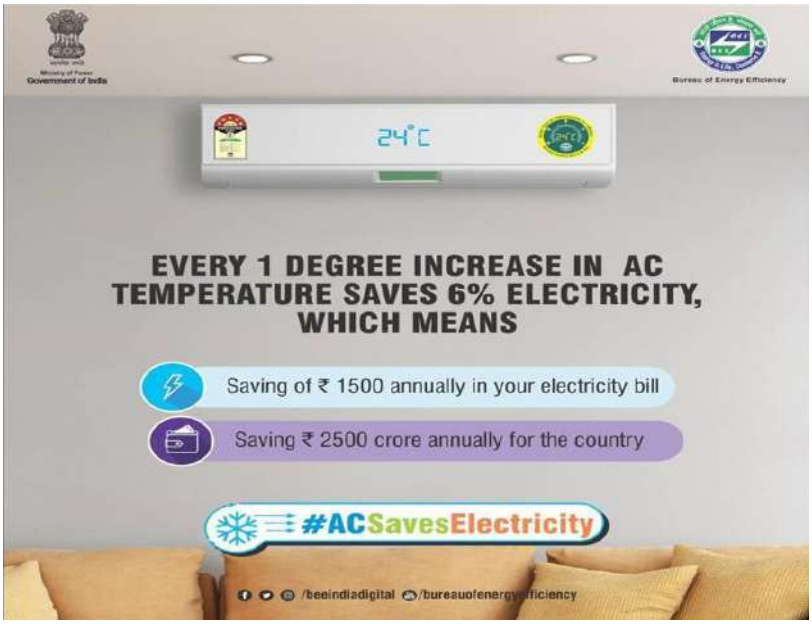
7.2 PERFORMANCE ASSESSMENT

- **Indicative TR Load Profile for Air Conditioning**

o	Small Office Cabins	:	0.1 TR m^2
o	Medium Size Office with 10-30 people occupancy with Central A/c	:	0.06 TR/m^2
o	Large Multi-storeyed office complex with Central A/c	:	0.04 TR/m^2

- **Criteria Considered for Performance Evaluation of Split & Window A/Cs**

Type of AC	Capacity (TR)	Specific Power Consumption (SPC) range of Star Labelled A/Cs (KW/TR)		The permissible Limit is 5% higher than the SPC of Star Labelled A/Cs (KW/TR)
Window	1.5	1.24	1.43	1.5
Window	2	1.27	1.33	1.39
Split	1.5	1.1	1.32	1.38
Split	2	1.06	1.31	1.37



CHAPTER 8 LIGHTING SYSTEMS

8.1 SYSTEMS INSTALLED

In the building complex, LED lights are installed. Details are as follows,

Identification	STL (40W)	LED Bulb (5W)	Bulb (100W)	LED (7W)	LED (15W)	2x2 LED LIGHT (45W)	LED TL (20W)	STL (8W)	STL (18W)	S.L (80W)
HBTU Kanpur (Guest House)										
Ground Floor										
Room No-1		1			1		1	1		
Room No-2		2			2		5	2		
Room No-3		2			2		5	2		
Room No-4		1			1		1	1		
Room No-5		1			1		1	1		
Dining Hall					2		3			
Kitchen					3		2	1		
Lounge							6			
1st Floor										
Room No-6		1			1		1	1		
Room No-7		1			1		1	1		
Room No-8		1			1		1	1		
Room No-9		1			1		1	1		
Room No-10		1			1		1	1		
Room No-11		1			1		1	1		
Room No-12		1			1		1	1		
Conference Hall							12	1		
Open Hall					2		4			
Guest House Campus										14
Department Of Mechanical										
Ground Floor										
Corridor					2		13			
Mechanical Science Lab							21			
Heat Transfer Lab							32			
Mechanical Engg. Department							6		6	

Identification	STL (40W)	LED Bulb (5W)	Bulb (100W)	LED (7W)	LED (15W)	2x2 LED LIGHT (45W)	LED TL (20W)	STL (8W)	STL (18W)	S.L (80W)
Incubation Hub							4		2	
Toilet			2	2			2			
HOD Mechanical			1	5			2		1	
Room No-101A							2		2	
1st Floor										
Room No-101B					9		8		14	
Room No-103 B							13		5	
Room No-104							5			
Toilet				2			2			
Room No-225 A							6			
Room No-203							2		2	
Room No-204				1			1			
Room No-205							1		1	
Room No-219 A							12			
Drawing Lab R.No-219 C							20			
Robotic Lab R.No-220 A							20			
Room No-218							6			
Room No-212							9		1	
Room No-209							4			
Room No-210							3			
Room No-211							3			
Room No-222							1			
Room No-223							1			
Room No-224							1			
Room No-225 B							13		3	
Room No-221 B							22			
Cad Lab Room No-206 B							15			
Room No-208 A							14		3	
Room No-207 A							6			
Corridor							8			
Department Of Computer										

Identification	STL (40W)	LED Bulb (5W)	Bulb (100W)	LED (7W)	LED (15W)	2x2 LED LIGHT (45W)	LED TL (20W)	STL (8W)	STL (18W)	S.L (80W)
Server Room							20		5	
Room No-101									5	
Room No-102							16			
Room No-103							2			
Room No-104							4		1	
Room No-105							12			
Room No-106					1				1	
Room No-107					1				1	
Room No-108							2			
Room No-109							2			
Toilet							6			
Room No-201						8				
Room No-202				16			1			
Room No-203				32			4			
Room No-204							2			
Room No-205							2			
Room No-206				1			1			
Room No-207							2			
Room No-208							1			
Room No-209							1			
Room No-210							1			
Room No-211							12			
Room No-212							12			
CS Lab-4							18			
CS Lab-5							18			
CS Lab-6							21			
CS Lab-7							21			
CS Lab-8							21			
Toilet							8			
Department Of Chemical Engg.										
Ground Floor										

Identification	STL (40W)	LED Bulb (5W)	Bulb (100W)	LED (7W)	LED (15W)	2x2 LED LIGHT (45W)	LED TL (20W)	STL (8W)	STL (18W)	S.L (80W)
Entry Gate					6				8	
Room No-101						2				
Room No-102						2				
Room No-103						6				
Room No-104									4	
Room No-105						6				
Room No-106						2				
Room No-107						2				
Room No-108						2				
Room No-109						2				
Room No-110									2	
Room No-111						2				
Room No-112						2				
Lab Room No-113							16			
Room No-114							16			
Room No-115						4				
Room No-116							16			
Room No-117						24				
Room No-118						4				
Room No-119							16			
Room No-120							16			
Corridor					20					
Toilet				8				6		
1st Floor										
Room No-201							32			
Room No-202						2				
Room No-203						2				
Room No-204						2				
Room No-205						6				
Room No-206						6				
Room No-208						2				

Identification	STL (40W)	LED Bulb (5W)	Bulb (100W)	LED (7W)	LED (15W)	2x2 LED LIGHT (45W)	LED TL (20W)	STL (8W)	STL (18W)	S.L (80W)
Room No-209						2				
Room No-210						2				
Room No-211						2				
Room No-212						2				
Room No-213						2				
Room No-214						2				
Room No-215							32			
Room No-216							32			
Room No-217						4				
Room No-218							32			
Room No-219							32			
Room No-220							32			
Room No-221						4				
Room No-222							40			
Toilet				12				12		
Corridor					34				2	
2nd Floor										
Room No-301							32			
Room No-302						2				
Room No-303						2				
Room No-304						2				
Room No-305						6				
Room No-306						6				
Room No-308						2				
Room No-309						2				
Room No-310						2				
Room No-311						2				
Room No-312						2				
Room No-313						2				
Room No-314						2				
Room No-315							32			

Identification	STL (40W)	LED Bulb (5W)	Bulb (100W)	LED (7W)	LED (15W)	2x2 LED LIGHT (45W)	LED TL (20W)	STL (8W)	STL (18W)	S.L (80W)
Room No-316							32			
Room No-317						4				
Room No-318							32			
Room No-319							32			
Room No-320							32			
Room No-321						4				
Room No-322							40			
Toilet				12				12		
Corridor					34				2	
Girls Hostel										
Kaweri Hostel										
Total Double Bed Room-34					136		136			
Corridor							19			
Mess Room							40			
Kitchen							4			
Common Room						25				
Toilet				14			4			
Saraswati Hostel										
Single Bed Room Total -4									4	
Double Bed Room Total- 19				19					38	
Common Room									4	
Mess Room									4	
Toilet				5					5	
Bhagirathi Place Hostal										
Single Bed Total Room-121							121			
Common Room							4			
Kitchen							7			
Toilet				16			16			
Mandakiny Hostel (Deniya)										
Total Tripal Bed Room-32				96			96			
Warden Room							2			

Identification	STL (40W)	LED Bulb (5W)	Bulb (100W)	LED (7W)	LED (15W)	2x2 LED LIGHT (45W)	LED TL (20W)	STL (8W)	STL (18W)	S.L (80W)
Kitchen							15			
Toilet				5			5			
Gangotri Hostel										
Single Bed Room Total -4				4			4			
Triple Bed Room Total- 33							99		99	
Gym Room									4	
TTE Room							4			
Common Room							9			
Kitchen							6		4	
Toilet							6			
Tagore Central Library										
Ground Floor							190			
1st Floor							170			
Toilet							12			
Main Building										
Room G1							10			
Room G2							10			
Room G3							10			
Room G4							10			
Room G5							10			
Room G6							10			
Room G7							10			
Room 2-107							8			
Room 2-105							8			
Room 2-108							3			
Room 2-109							8			
Room 2-110							2			
Room 2-111							5			
Toilet					4		4			
Mr.Radha Sachan Room							3			
Lab-1					2	5				

Identification	STL (40W)	LED Bulb (5W)	Bulb (100W)	LED (7W)	LED (15W)	2x2 LED LIGHT (45W)	LED TL (20W)	STL (8W)	STL (18W)	S.L (80W)
Lab-2							6		3	
Lab-3							9			
Department Of Paint Tech					4		3		4	
Central Store					1		2		1	
Room 1-167							5			
Room 1-166					3		4		3	
Room 1-164 (Close)										
Room 1-163 (Close)										
Room 1-161							6			
Office U.S.A.C							2		1	
Chemistry Department										
Research Laboratory-1							5		1	
Research Laboratory-2							3		5	
Research Laboratory-3							12			
Training Placement						5				
Central Store & Purchas						8				
Faculty Room									2	
Store							2			
U.G Laboratory-1									8	
U.G Laboratory-2									8	
U.G Laboratory-3									8	
Room 1-171						4				
Academic Section				2	6		11			
Store			1							
Toilet				4			4			
1st Floor										
Room 2-203						10				
Room 2-204									6	
Room 2-205									6	
Room 2-206									6	
Room 2-207									6	

Identification	STL (40W)	LED Bulb (5W)	Bulb (100W)	LED (7W)	LED (15W)	2x2 LED LIGHT (45W)	LED TL (20W)	STL (8W)	STL (18W)	S.L (80W)
Room 2-208									1	
Room 2-209									3	
Seminar Hall-1						6				
Seminar Hall-2						6				
EC-1						18				
EC-2						18				
Drawing Hall						27			22	
Corridor						7			9	
Room 2-210						8				
Room 2-211									6	
Room 2-212									6	
Room 2-213									6	
Room 2-215									6	
Room 2-216						9				
Room 2-217						9				
Room 2-219									6	
Room 2-220									8	
Room 2-221									2	
Room 2-222							11		2	
Room 2-223									13	
Room 2-224									13	
Room 2-225									13	
Room 2-226									9	
Toilet									5	
Room 1-114 (Close)										
Room 1-115							2			
Room 1-116							6			
Room 1-117									2	
Room 1-118						5	5			
Room 2-130									2	
Room 2-131							11		4	

Identification	STL (40W)	LED Bulb (5W)	Bulb (100W)	LED (7W)	LED (15W)	2x2 LED LIGHT (45W)	LED TL (20W)	STL (8W)	STL (18W)	S.L (80W)
Room 2-132									4	
D.O.B.C							6		3	
D.O.B.E									7	
Room 2-119							2		6	
Room 2-120						2			4	
Substation										
Electrical Panel Room	1								3	
LT Panel Room			1	1					4	
Central Workshop										
Welding Shop	7									
Sheetmetal Shop	14								2	
Machine Shop									2	
Fitting Shop	8								8	
Black Smithy Shop									6	
Workshop Superitendent Room	2									
Dr. Saurabh Sangal Chamber	2									
Mr. Kuldeep Srivastav (JE Chamber)				2					2	
Leather Department										
Building Light										
Lobby Area				11						
Physical Testing Lab	18									
Chemical Testing Lab	19									
Store Room										
Lecture Theater	8									
LT-III, Room	4									
Dr. Paremndra Gaurh Office	1				2				1	
Toilet				2						
Leath Library				1					1	
Dr. Parmendra Gaurh Office	1			2					2	
Richa Tomer Asist. Professor				2						

Identification	STL (40W)	LED Bulb (5W)	Bulb (100W)	LED (7W)	LED (15W)	2x2 LED LIGHT (45W)	LED TL (20W)	STL (8W)	STL (18W)	S.L (80W)
Atal Incubation Hub Building										
Lobby Area					10					
Mrs. Ranjana Rajput offce									3	
Director Chamber									3	
Toilet				1						
Student Project Lobby Hall									36	
Business Lab									18	
HBT Institute - Step Building										
1st Floor - Library									20	
Ground Floor	10								7	
Class Room - MBA-2nd Year									12	
Class Room - MBA-1st Year									12	
Class Room - MBA-3rd Year									12	
Ramanujam Boys Hostel Building										
Room No 54 to 36									36	
Room No.82 to 73									18	
Room No 55 to 64									18	
Room No 1 to 19									38	
Toilet				4					4	
Dining Hal									9	
Kitchen Room										
Shri Dharacharya LV Old Boys Hostel Building										
Ground Floor									17	
Room No.1 to 17									34	
Room No.20 to 31									36	
Room No. 32 to 50										
TT Room				1					1	
Mess Area									9	
Civil Engineering Building										

Identification	STL (40W)	LED Bulb (5W)	Bulb (100W)	LED (7W)	LED (15W)	2x2 LED LIGHT (45W)	LED TL (20W)	STL (8W)	STL (18W)	S.L (80W)
Ground Floor										
Class Room No. LE 120 TO 119									16	
Lecture Theater	6									
Laboratories	2								2	
Dr. PK Chamber	1								1	
Dr. Dipesh Singh									2	
Cad Lab	6									
Lecture Theater	6									
1st Floor										
PP Sir Room									2	
Cametee Hall Room	1					12			2	
Room No. LE - 212	10									
Room No. LE - 213 to 214	20									
Civil Library, Room No. LE - 204	3								1	
Drawing Hall, Room No. LE - 211	29								1	
Room No. LE - 206 to 207	2									
HOD Room	2									
Electrical & Electronics Engineering Building										
Ground Floor - Electrical Department										
Room No.101 to 117	55									
Room No. LE - 213 to 214										
1st Floor - Electronics Department	59									
West Campus - Boys Hostel										
Abdul Kalam Hostel										
Ground Floor Room No. (101-190)							90			
Toilet							8			
Mess Hall					3		11			
First Floor Room No. (201-290)							90			

Identification	STL (40W)	LED Bulb (5W)	Bulb (100W)	LED (7W)	LED (15W)	2x2 LED LIGHT (45W)	LED TL (20W)	STL (8W)	STL (18W)	S.L (80W)
Toilet							10			
Common Room							8		16	
Vishweswariya Hostel										
Ground Floor Room No. (101-182)							246			
Toilet							12			
Mess Hall							17			
First Floor Room No. (201-282)							246			
Toilet							12			
Common Room							6			
Raman Hostel										
Ground Floor Room No. (101-189)							89			
Toilet							24			
Mess Hall							16			
First Floor Room No. (201-289)							89			
Toilet							16			
Common Room							6			
Vishwakarma Hostel										
Ground Floor Room No. (101-200)							100			
Toilet							8			
Mess Hall							30			
Kitchen		8					14			
First Floor Room No. (201-250)							100			
Toilet							4			
Second Floor Room No. (301-350)							100			
Toilet							4			
Ambedkar Hostel										
Ground Floor Room No. (101-118)							36			
Toilet							2			
Mess Hall							6			
First Floor Room No. (201-219)							38			
Toilet							2			

Identification	STL (40W)	LED Bulb (5W)	Bulb (100W)	LED (7W)	LED (15W)	2x2 LED LIGHT (45W)	LED TL (20W)	STL (8W)	STL (18W)	S.L (80W)
Common Room							6			
Aryabhatt Hostel										
Ground Floor Room No. (101-118)							36			
Toilet							2			
Mess Hall							6			
First Floor Room No. (201-219)							38			
Toilet							2			
Common Room							6			
Total Count	**297**	**22**	**5**	**283**	**299**	**332**	**3,812**	**46**	**880**	**14**
Total Wattage	**11,880**	**110**	**500**	**1,981**	**4,485**	**14,940**	**76,240**	**368**	**15,840**	**1,120**

8.2 MEASURED LUX LEVEL

Identification	Lux
HBTU Kanpur (Guest House)	
Ground Floor	
Room No-1	156
Room No-2	152
Room No-3	155
Room No-4	156
Room No-5	165
Dining Hall	286
Kitchen	274
Lounge	258
1st Floor	
Room No-6	155
Room No-7	150
Room No-8	155
Room No-9	160
Room No-10	162
Room No-11	155
Room No-12	168
Conference Hall	246
Open Hall	252
Department Of Mechanical	
Ground Floor	
Corridor	248
Mechanical Science Lab	267
Heat Transfer Lab	273
Mechanical Engg. Department	246
Incubation Hub	238
Toilet	228
HOD Mechanical	241
Room No-101A	256
1st Floor	
Room No-101B	316
Room No-103 B	132
Room No-104	288
Toilet	116
Room No-225 A	224
Room No-203	272
Room No-204	268
Room No-205	244
Room No-219 A	255
Drawing Lab R.No-219 C	286
Robotic Lab R.No-220 A	128
Room No-218	212
Room No-212	286

Identification	Lux
Room No-209	142
Room No-210	218
Room No-211	328
Room No-222	340
Room No-223	289
Room No-224	332
Room No-225 B	268
Room No-221 B	186
Cad Lab Room No-206 B	292
Room No-208 A	308
Room No-207 A	340
Corridor	352
Department Of Computer	
Server Room	198
Room No-101	345
Room No-102	192
Room No-103	420
Room No-104	448
Room No-105	324
Room No-106	341
Room No-107	293
Room No-108	238
Room No-109	226
Toilet	125
Room No-201	216
Room No-202	248
Room No-203	224
Room No-204	246
Room No-205	264
Room No-206	248
Room No-207	248
Room No-208	186
Room No-209	264
Room No-210	273
Room No-211	246
Room No-212	312
CS Lab-4	278
CS Lab-5	282
CS Lab-6	146
CS Lab-7	265
CS Lab-8	245
Toilet	165
Department Of Chemical Engg.	
Ground Floor	
Entry Gate	268
Room No-101	243
Room No-102	234
Room No-103	186

Identification	Lux
Room No-104	308
Room No-105	195
Room No-106	234
Room No-107	256
Room No-108	238
Room No-109	176
Room No-110	245
Room No-111	256
Room No-112	305
Lab Room No-113	186
Room No-114	252
Room No-115	276
Room No-116	238
Room No-117	176
Room No-118	254
Room No-119	324
Room No-120	275
Corridor	238
Toilet	128
1st Floor	
Room No-201	284
Room No-202	238
Room No-203	186
Room No-204	218
Room No-205	329
Room No-206	259
Room No-208	286
Room No-209	146
Room No-210	312
Room No-211	356
Room No-212	342
Room No-213	351
Room No-214	312
Room No-215	278
Room No-216	308
Room No-217	274
Room No-218	326
Room No-219	192
Room No-220	356
Room No-221	298
Room No-222	382
Toilet	143
Corridor	242
2nd Floor	
Room No-301	271
Room No-302	268
Room No-303	364
Room No-304	251

Identification	Lux
Room No-305	284
Room No-306	306
Room No-308	312
Room No-309	324
Room No-310	284
Room No-311	298
Room No-312	273
Room No-313	282
Room No-314	268
Room No-315	266
Room No-316	282
Room No-317	224
Room No-318	282
Room No-319	246
Room No-320	253
Room No-321	274
Room No-322	264
Toilet	148
Corridor	262
Girls Hostel	
Kaweri Hostel	
Total Double Bed Room-34	119
Corridor	240
Mess Room	230
Kitchen	235
Common Room	215
Toilet	220
Saraswati Hostel	
Single Bed Room Total -4	210
Double Bed Room Total- 19	220
Common Room	225
Mess Room	215
Toilet	235
Bhagirathi Place Hostal	
Single Bed Total Room-121	220
Common Room	230
Kitchen	235
Toilet	215
Mandakiny Hostel (Deniya)	
Total Tripal Bed Room-32	95
Warden Room	225
Kitchen	75
Toilet	230
Gangotari Hostel	
Single Bed Room Total -4	225
Triple Bed Room Total- 33	85
Gym Room	215
TTE Room	80

Identification	Lux
Common Room	220
Kitchen	85
Toilet	210
Tagore Central Library	
Ground Floor	75
1st Floor	230
Toilet	235
Main Building	
Room G1	215
Room G2	215
Room G3	220
Room G4	225
Room G5	256
Room G6	290
Room G7	230
Room 2-107	270
Room 2-105	250
Room 2-108	230
Room 2-109	235
Room 2-110	215
Room 2-111	230
Toilet	235
Mr.Radha Sachan Room	215
Lab-1	220
Lab-2	230
Lab-3	235
Department Of Paint Tech	215
Central Store	230
Room 1-167	235
Room 1-166	215
Room 1-164 (Close)	230
Room 1-163 (Close)	235
Room 1-161	215
Office U.S.A.C	220
Chemistry Department	
Research Laboratory-1	235
Research Laboratory-2	215
Research Laboratory-3	230
Training Placement	235
Central Store & Purchas	215
Faculty Room	230
Store	235
U.G Laboratory-1	215
U.G Laboratory-2	220
U.G Laboratory-3	230
Room 1-171	220
Academic Section	290
Store	195

Identification	Lux
Toilet	220
1st Floor	
Room 2-203	215
Room 2-204	175
Room 2-205	290
Room 2-206	280
Room 2-207	210
Room 2-208	260
Room 2-209	240
Seminar Hall-1	230
Seminar Hall-2	235
EC-1	215
EC-2	220
Drawing Hall	230
Corridor	220
Room 2-210	210
Room 2-211	220
Room 2-212	225
Room 2-213	215
Room 2-215	235
Room 2-216	230
Room 2-217	220
Room 2-219	230
Room 2-220	235
Room 2-221	215
Room 2-222	220
Room 2-223	95
Room 2-224	225
Room 2-225	75
Room 2-226	230
Toilet	80
Room 1-114	225
Room 1-115	85
Room 1-116	215
Room 1-117	80
Room 1-118	220
Room 2-130	85
Room 2-131	210
Room 2-132	80
D.O.B.C	230
D.O.B.E	75
Room 2-119	230
Room 2-120	235

8.3 HMT AND STREET LIGHT

Details of Street Light and HMT Lights are as follows

Particulars	Wattage	No of Lights	Total Wattage
Main Building	10	13	130
Substation	35	6	210
Satabdi Stambh	10	14	140
Total		**33**	**480**

8.4 RECOMMENDATIONS

8.4.1 IMPROVEMENT OF VOLTAGE LEVEL IN THE LIGHTING CIRCUIT

We have measured the load profile on the LT Side. The average lighting Voltage of measured Transformers is 253.6V for TR-1 (630 KVA), 248.8 for TR-2 (630 KVA), 234.9 for TR-3 (630 KVA), 243.2 for TR-4 (100 KVA), 247.9 for TR-5 (100 KVA), 249.3V for TR-6 (400 KVA) and 238.7 for TR-7 (25 KVA). The overall Lighting load including the operating Voltage, Current, Power Factor, etc. was recorded on the LT side during the site visit, which is enclosed as a respective chapter. Normally, the lighting circuit voltage should be around 220 volts (phase to neutral) as against the volts measured at present.

All lights installed in the building are LED lamps the effect of voltage reduction in terms of power-saving will be almost negligible. However, reduction and stabilization of voltage will improve the life of lamps.

8.4.2 INSTALLATION OF MOTION SENSOR

During the audit, it was observed that at various locations in the building, lights were ON even when there was no one in the room/office. Hence, it is recommended to use motion sensors to minimize energy consumption. A motion detector is a device that detects moving objects, particularly people. These devices are actively used for street lights or indoor lights in walkways such as lobbies, stairs, and also in offices. The total lighting load of the building is an average of 150 KW, the payback period is on the higher side so we have not recommended any recommendation on Motion sensors. We have to recommend switching off the lights in the daytime to save energy.

8.4.3 LIGHTING CONTROL

Although there is no simpler way to reduce the amount of energy consumed by the lighting system than to manually turn it OFF whenever not needed, this is not done as often as it could be. In response, automatic lighting control strategies can be adopted:

- Scheduling Control: Use a time scheduling device to control lighting systems according to predetermined schedules

A central processor with relays is usually capable of controlling several output channels, each of which may be assigned to one or more lighting circuits. Overrides can be provided to accommodate individuals who use the space during scheduled off-hours.

- Daylighting: Control lights in response to the presence of daylight illumination in the space
- Lumen Maintenance: gradually adjust the electric light levels over time to correspond with the depreciation of light output from aging lamps.

Occupancy Sensing: Control light in response to the presence or absence of people in the space.

CHAPTER 9 STUDY OF FANS & OTHER LOAD

9.1 SYSTEMS INSTALLED AND OPERATIONAL PERFORMANCE

Around 3,552 No's conventional ceiling fan & 72 Nos Wall Fan are installed in the various locations of the building. These Fans must be replaced with energy-efficient BLDC Fans.

Identification	Ceiling Fan (70W)	Ceiling Fan (100W)	Wall Fan (60W)	Cooler (150W)	Exhaust (60W)
HBTU Kanpur (Guest House)					
Ground Floor					
Room No-1	1				
Room No-2	3				
Room No-3	3				
Room No-4	1				
Room No-5	1				
Dining Hall	2				
Kitchen	2		1		
Lounge	4				
1st Floor					
Room No-6	1				
Room No-7	1				
Room No-8	1				
Room No-9	1				
Room No-10	1				
Room No-11	1				
Room No-12	1				
Conference Hall	6				
Open Hall	4				
Guest House Campus					
Department Of Mechanical					
Ground Floor					
Corridor					
Mechanical Science Lab	11				3
Heat Transfer Lab	14				2
Mechanical Engg. Department	1				1
Incubation Hub	2				
Toilet					
HOD Mechanical	1				
Room No-101A	1				
1st Floor					
Room No-101B	10				3
Room No-103 B	10				3
Room No-104	1		1		
Toilet					2
Room No-225 A	6				
Room No-203	1				
Room No-204			1		
Room No-205			1		
Room No-219 A	6				

Identification	Ceiling Fan (70W)	Ceiling Fan (100W)	Wall Fan (60W)	Cooler (150W)	Exhaust (60W)
Drawing Lab R.No-219 C	16				
Robotic Lab R.No-220 A	16				
Room No-218	4				
Room No-212	5				
Room No-209	1				
Room No-210	1				
Room No-211	1				
Room No-222	1				
Room No-223	1				
Room No-224	1				
Room No-225 B	9				
Room No-221 B	16				
Cad Lab Room No-206 B	5				
Room No-208 A	6				
Room No-207 A	4				
Corridor					
Department Of Computer					
Server Room	8		2		
Room No-101	1				
Room No-102	4				
Room No-103	1				
Room No-104			2		
Room No-105	6				
Room No-106	1				
Room No-107	1				
Room No-108	1				
Room No-109	1				
Toilet					4
Room No-201	6				
Room No-202	6				
Room No-203	8				
Room No-204	1				
Room No-205	1				
Room No-206	1				
Room No-207	1				
Room No-208	1				
Room No-209	1				
Room No-210	1				
Room No-211	4				
Room No-212	4				
CS Lab-4	4				
CS Lab-5	4				
CS Lab-6	8				
CS Lab-7	8				
CS Lab-8	8				
Toilet					4
Department Of Chemical					

Identification	Ceiling Fan (70W)	Ceiling Fan (100W)	Wall Fan (60W)	Cooler (150W)	Exhaust (60W)
Engg.					
Ground Floor					
Entry Gate					
Room No-101	1				
Room No-102	1				
Room No-103	4				
Room No-104	1				
Room No-105	3				
Room No-106	1				
Room No-107	1				
Room No-108	1				
Room No-109	1				
Room No-110			1	1	
Room No-111	1				
Room No-112	1				
Lab Room No-113	8				
Room No-114	8				
Room No-115	2				
Room No-116	8				
Room No-117	16				
Room No-118	2				
Room No-119	8				
Room No-120	8				
Corridor					
Toilet					2
1st Floor					
Room No-201	8				
Room No-202	1				
Room No-203	1				
Room No-204	1				
Room No-205	2				
Room No-206	4				
Room No-208	1				
Room No-209	1				
Room No-210	1				
Room No-211	1				
Room No-212	1				
Room No-213	1				
Room No-214	1				
Room No-215	8				
Room No-216	8				
Room No-217	2				
Room No-218	8				
Room No-219	8				
Room No-220	8				
Room No-221	2				
Room No-222	8				

Identification	Ceiling Fan (70W)	Ceiling Fan (100W)	Wall Fan (60W)	Cooler (150W)	Exhaust (60W)
Toilet					4
Corridor					
2nd Floor					
Room No-301	8				
Room No-302	1				
Room No-303	1				
Room No-304	1				
Room No-305	2				
Room No-306	4				
Room No-308	1				
Room No-309	1				
Room No-310	1				
Room No-311	1				
Room No-312	1				
Room No-313	1				
Room No-314	1				
Room No-315	8				
Room No-316	8				
Room No-317	2				
Room No-318	8				
Room No-319	8				
Room No-320	8				
Room No-321	2				
Room No-322	8				
Toilet					4
Corridor					
Girls Hostel					
Kaweri Hostel					
Total Double Bed Room-34	136				
Corridor					
Mess Room	24				
Kitchen	1				2
Common Room	20				
Toilet					12
Saraswati Hostel					
Single Bed Room Total -4	4				
Double Bed Room Total- 19	38				
Common Room	4				
Mess Room	4				2
Toilet					3
Bhagirathi Place Hostal					
Single Bed Total Room-121	121				
Common Room	4				
Kitchen	4				1
Toilet					
Mandakiny Hostel (Deniya)					
Total Tripal Bed Room-32	96				

Identification	Ceiling Fan (70W)	Ceiling Fan (100W)	Wall Fan (60W)	Cooler (150W)	Exhaust (60W)
Warden Room	1				
Kitchen	8				2
Toilet					4
Gangotari Hostel					
Single Bed Room Total -4	4				
Triple Bed Room Total- 33	99				
Gym Room	4				
TTE Room	4				
Common Room	8				
Kitchen	6				2
Toilet					3
Tagore Central Library					
Ground Floor	65				
1st Floor	85				
Toilet					6
Main Building					
Room G1	9				
Room G2	9				
Room G3	9				
Room G4	9				
Room G5	9				
Room G6	9				
Room G7	9				
Room 2-107	2				
Room 2-105	1				
Room 2-108	1				
Room 2-109	1				
Room 2-110	1				
Room 2-111	1				
Toilet					3
Mr.Radha Sachan Room	1				
Lab-1					
Lab-2	4				
Lab-3	4				
Department Of Paint Tech	1		3		2
Central Store	1				1
Room 1-167	2				
Room 1-166			3		
Room 1-164 (Close)					
Room 1-163 (Close)					
Room 1-161	4				1
Office U.S.A.C	1				
Chemistry Department					
Research Laboratory-1	1		4		
Research Laboratory-2			6		
Research Laboratory-3			4		2
Training Placement			5		

Identification	Ceiling Fan (70W)	Ceiling Fan (100W)	Wall Fan (60W)	Cooler (150W)	Exhaust (60W)
Central Store & Purchas			4		
Faculty Room	1				
Store					1
U.G Laboratory-1			7		
U.G Laboratry-2	1		10		
U.G Laboratory-3			10		
Room 1-171					
Academic Section	6		2		
Store	1				1
Toilet					2
1st Floor					
Room 2-203	8				
Room 2-204	6				
Room 2-205	6				
Room 2-206	6				
Room 2-207	6				
Room 2-208	1				
Room 2-209	2				
Seminar Hall-1	6				
Seminar Hall-2	6				
EC-1	18				
EC-2	18				
Drawing Hall	27				
Corridor					
Room 2-210	6				
Room 2-211	6				
Room 2-212	6				
Room 2-213	4				
Room 2-215	6				
Room 2-216	6				
Room 2-217	6				
Room 2-219	6				
Room 2-220	8				
Room 2-221	2				
Room 2-222	8				
Room 2-223	7				
Room 2-224	7				
Room 2-225	7				
Room 2-226	5				
Toilet					2
Room 1-114 (Close)					
Room 1-115	2		1		
Room 1-116	3				2
Room 1-117	1				
Room 1-118			1		
Room 2-130	1				
Room 2-131	6				

Identification	Ceiling Fan (70W)	Ceiling Fan (100W)	Wall Fan (60W)	Cooler (150W)	Exhaust (60W)
Room 2-132	1				
D.O.B.C	2				
D.O.B.E	2				
Room 2-119	6				
Room 2-120	4		1		
Substation					
Electrical Panel Room	4				
LT Panel Room	1				1
Central Workshop					
Welding Shop	4				2
Sheetmetal Shop	4				1
Machine Shop	19				4
Fitting Shop	9	3			4
Black Smithy Shop		1			
Workshop Superitendent Room	1	1			
Dr. Saurabh Sangal Chamber	1				
Mr. Kuldeep Srivastav (JE Chamber)	1				
Leather Department					
Building Light					
Lobby Area					
Physical Testing Lab	18				
Chemical Testing Lab	12				
Store Room					
Lecture Theater	7				
LT-III, Room	2				
Dr. Paremndra Gaurh Office	1				
Toilet					
Leath Library	1				
Dr. Parmendra Gaurh Office	1				
Richa Tomer Asist. Professor	1				
Atal Incubation Hub Building					
Lobby Area	1				
Mrs. Ranjana Rajput offce	2				
Director Chamber			1		
Toilet					
Student Project Lobby Hall	24				
Business Lab	12				
HBT Institute - Step Building					
1st Floor - Library	15				
Ground Floor	8				1
Class Room - MBA-2nd Year	8				
Class Room - MBA-1st Year	8				
Class Room - MBA-3rd Year	8				
Ramanujam Boys Hostel Building					
Room No 54 to 36	18				

Identification	Ceiling Fan (70W)	Ceiling Fan (100W)	Wall Fan (60W)	Cooler (150W)	Exhaust (60W)
Room No.82 to 73	9				
Room No 55 to 64	9				
Room No 1 to 19	19				
Toilet					2
Dining Hal	9				
Kitchen Room	1				1
Shri Dharacharya LV Old Boys Hostel Building					
Ground Floor					
Room No.1 to 17	17				
Room No.20 to 31	11				
Room No. 32 to 50	36				
TT Room					
Mess Area		7	1		1
Civil Engineering Building					
Ground Floor					
Class Room No. LE 120 TO 119	9				
Lecture Theater	10				
Laboratories	1				
Dr. PK Chamber	1				
Dr. Dipesh Singh	1				
Cad Lab	2				
Lecture Theater	10				
1st Floor					
PP Sir Room					
Cametee Hall Room					
Room No. LE - 212	6				2
Room No. LE - 213 to 214	12				2
Civil Library, Room No. LE - 204	1	1			
Drawing Hall, Room No. LE - 211	12				6
Room No. LE - 206 to 207					
HOD Room	1				
Electrical & Electronics Engineering Building					
Ground Floor - Electrical Department					
Room No.101 to 117	57				
Room No. LE - 213 to 214					
1st Floor - Electronics Department	62				
West Campus - Boys Hostel					
Abdul Kalam Hostel					
Ground Floor Room No. (101-190)	90				
Toilet					2
Mess Hall	8				2
First Floor Room No. (201-290)	90				

Identification	Ceiling Fan (70W)	Ceiling Fan (100W)	Wall Fan (60W)	Cooler (150W)	Exhaust (60W)
Toilet					3
Common Room	2				
Vishweswariya Hostel					
Ground Floor Room No. (101-182)	246				
Toilet					3
Mess Hall	10				2
First Floor Room No. (201-282)	246				
Toilet					3
Common Room	6				
Raman Hostel					
Ground Floor Room No. (101-189)	89				
Toilet	8				3
Mess Hall	5				2
First Floor Room No. (201-289)	89				
Toilet					3
Vishwakarman Hostel					
Ground Floor Room No. (101-200)	100				
Toilet					4
Mess Hall	20				
Kitchen	9				2
First Floor Room No. (201-250)	150				
Toilet					2
Second Floor Room No. (301-350)	150				
Toilet					2
Ambedkar Hostel					
Ground Floor Room No. (101-118)	36				
Toilet					2
Mess Hall	4				1
First Floor Room No. (201-219)	38				
Toilet					2
Common Room	4				
Aryabhatt Hostel					
Ground Floor Room No. (101-118)	36				
Toilet					2
Mess Hall	4				1
First Floor Room No. (201-219)	38				
Toilet					2
Common Room	4				
Total Count	**3,539**	**13**	**72**	**1**	**156**
Total Wattage	**2,47,730**	**1300**	**4,320**	**150**	**9,360**

9.2 RECOMMENDATIONS

9.2.1 REPLACEMENT OF CONVENTIONAL FANS WITH BLDC FANS

Around 3,552 No's conventional ceiling fan & 72 Nos Wall Fan are installed in the various locations of the building. These Fans must be replaced with energy-efficient BLDC Fans. The resultant savings are as follows:

Particulars	Present Situation	Post Implementation
Conventional Ceiling Fan may be replaced with Energy Efficient (EE) BLDC Ceiling Fan		
Power is drawn per Ceiling Fan (Watts)	70	28
No Fans to be replaced	3,539 Nos	
Net Reduction in the Power Drawn (A)	1,48,638 Watts	
➲ **The total reduction in the power Drawn (A)**	= **1,48,638 Watts**	
Conventional Ceiling Fan may be replaced with Energy Efficient (EE) BLDC Ceiling Fan		
Power is drawn per Ceiling Fan (Watts)	100	28
No Fans to be replaced	13 Nos	
Net Reduction in the Power Drawn (B)	936 Watts	
➲ **The total reduction in the power Drawn (B)**	= **936 Watts**	
Conventional Wall Fans may be replaced with Energy Efficient (EE) BLDC Wall Fan		
Power is drawn per Wall Fan (Watts)	60	28
No Fans to be replaced	= 72 Nos	
Net Reduction in the Power Drawn (C)	= 2,304 Watts	
➲ **The total reduction in the power Drawn (C)**	= **2,304 Watts**	
➲ **The total reduction in the power Drawn (A+B+C)**	= 1,51,878 Watts	
➲ Considering 70% fan run at a time	= 1,06,315 Watts	
➲ Working Hours per annum	= 2,500 hrs. (250 days X 10 hrs.)	
➲ Energy Savings per annum	= 2,65,787 kWh	
➲ Electric Power Rate	= Rs 12.84 per kWh	
➲ Monetary Benefit	= **Rs 34.12 Lacs**	
➲ Estimated Investments BLDC Ceiling/Wall Fan 28 W @ Rs 3,000 per Fan	= **Rs 108.72 Lacs**	
➲ Simple Payback Period	= **38-39 months**	
➲ **IRR**	= **17.19%**	

9.3 OTHER LOADS

Identification	Computer (100W)	Printer (100W)	Geyser (2000W)
HBTU Kanpur (Guest House)			
Ground Floor			
Room No-1			1
Room No-2			1
Room No-3			1
Room No-4			1
Room No-5			1
Dining Hall			
Kitchen			1
Lounge			
1st Floor			
Room No-6			1
Room No-7			1
Room No-8			1
Room No-9			1
Room No-10			1
Room No-11			1
Room No-12			1
Conference Hall			1
Department Of Mechanical			
Ground Floor			
Corridor			
Mechanical Science Lab	2	1	
Heat Transfer Lab	1	1	
Mechanical Engg. Department	1	1	
HOD Mechanical	1		
1st Floor			
Room No-204			
Drawing Lab R.No-219 C	2	1	
Robatic Lab R.No-220 A	1	1	
Room No-209	1	1	
Room No-210	1		
Room No-211	1		
Cad Lab Room No-206 B	36	3	
Departmet Of Computer			
Server Room			
Room No-101	2	1	
Room No-102	2	1	
Room No-104	2	1	
Room No-105	2	2	
Room No-106	1	1	
Room No-107	2	1	
Room No-109	1	1	
Room No-202	1	1	
Room No-203	1	1	
Room No-204	1	1	

Identification	Computer (100W)	Printer (100W)	Geyser (2000W)
Room No-206	1	1	
Room No-207	1	1	
Room No-208	1	1	
Room No-209	1	1	
CS Lab-4	12	3	
CS Lab-5	12	2	
CS Lab-6	25	4	
CS Lab-7	25	4	
CS Lab-8	25	4	
Toilet			
Department Of Chemical Engg.			
Ground Floor			
Room No-102	2	1	
Room No-103	2	1	
Room No-104			
Room No-108	1	1	
1st Floor			
Room No-206	2	1	
2nd Floor			
Room No-306	2	1	
Girls Hostel			
Kaweri Hostel			
Toilet			4
Saraswati Hostel			
Toilet			5
Bhagirathi Place Hostal			
Toilet			6
Mandakiny Hostel (Deniya)			
Toilet			10
Gangotari Hostel			
Toilet			6
Main Building			
Room 2-107			
Room 2-108	1	1	
Room 2-110	1	1	
Room 2-111	1	1	
Mr.Radha Sachan Room	1	1	
Department Of Paint Tech	1	1	
Chemistry Department			
Reserch Laboratory-1	1	1	
Reserch Laboratory-2	1	1	
Training Placement	1	1	
Central Store & Purchas	1	1	
U.G Laboratry-3	1	1	
Academic Section	3	2	
1st Floor			
Room 1-115	1	1	
Room 2-132	2	1	

Identification	Computer (100W)	Printer (100W)	Geyser (2000W)
D.O.B.C	1	1	
D.O.B.E	1	1	
Store Room			
Dr. Paremndra Gaurh Office	1		
Atal Incubation Hub Building			
Mrs. Ranjana Rajput offce	1	2	
Director Chamber			
Bussiness Lab	2		
HBT Institute - Step Building			
Ground Floor			
Class Room - MBA-2nd Year			
Ramanujam Boys Hostel Building			
Toilet			6
Dinning Hal			
Kitchen Room			
West Campus - Boys Hostel			
Abdul Kalam Hostel			
Toilet			
Vishweswariya Hostel			
Mess Hall			
Raman Hostel			
Toilet			
Toilet			8
Comman Room			
Vishwakarman Hostel			
Toilet			4
Mess Hall			
Kitchen			4
Second Floor Room No. (301-350)			
Ambedkar Hostel			
Toilet			
Comman Room			
Aryabhatt Hostel			
Mess Hall			
Total Count	**196**	**64**	**67**
Total Wattage	**19,600**	**6,400**	**1,34,000**

CHAPTER 10 STUDY OF WATER SUPPLY PUMPS

10.1 WATER SUPPLY TO BUILDING

In the HBTU Campus two pump houses, namely the Old Pump House and the New Pump House, During the discussion HBTU officials informed us that the water level of the old pump house is down. Two drinking water Submersible pumps are installed at the Harcourt Butler Technical University East Campus (HBTU) Kanpur, Pump-1 is installed in the new pump house and pump-2 is installed in the old pump house. these pumps supply the water to the OHT and also supply direct water. From OHT water is directly supplied to the colony, Academic building, college, etc. The details of a drinking water pump are as follows,

Particulars	Rated KW	Running Hr./Day	The capacity of Tank Liter	Water Supply to
Submersible Pump-1	25 HP	6	3,00,000	OHT
Submersible Pump-2	25 HP	6		

10.2 SUBMERSIBLE PUMPS

Two drinking water Submersible pumps are installed at the Harcourt Butler Technical University East Campus (HBTU) Kanpur, Pump-1 is installed in the new pump house and pump-2 is installed in the old pump house. these pumps supply the water to the OHT and also supply direct water. From OHT water is directly supplied to the colony, Academic building, college, etc.

10.3 MEASUREMENTS MADE & ANALYSIS

During the audit, we have taken the Power and flow of pumps. We have taken the discharge pressure according to the OHT height as there was no pressure gauge point installed in the pipeline of the Pump. The suction head is provided by HBTU officials. The following table shows the efficiency of the pump as follows;

Particulars	Unit	Pump -1	Pump - 2
Rated Power	KW	18.75	18.75
Flow	(m^3/hr.)	45.6	25
Suction Presser	(Kg/cm^2)	2.90	3.30
Discharge Presser	(Kg/cm^2)	2.2	2.2
Head	(meter)	51.00	55.00
Density of Fluid	(Kg/m^3)	1000	1000
Acceleration due to gravity	(m/s^2)	9.81	9.81
Hydraulic Power	(KW)	6.34	3.75
Actual Power Consumption	(KW)	11.98	12.84
Motor Efficiency	%	85	85
System Efficiency	%	52.91	29.17
Pump Efficiency	**%**	**62.24**	**34.32**

- The pump is running at its rated parameters and seen that the efficiency of pump-1 is **62.24%, which is satisfactory.**
- The pump is running at its rated parameters and seen that the efficiency of pump-2 is **34.32%, which is on the lower side.**

10.4 PERFORMANCE EVALUATION OF PUMP

The pump is running at its rated parameters and seen that the efficiency of pump-2 is **34.32%, which is on the lower side.** As the pump is not operating at duty point its efficiency has deteriorated further. Therefore, it is recommended to replace this pump with new energy-efficient pumps. The tentative savings are as follows

Particulars	UOM	Pump - 2
Pump Efficiency	%	**34.32**
Average Power Consumption of Pump	KW	12.84
Operating days per annum	days	365
Operating hours per day	hrs.	6
Energy consumption	kWh	28,129
Proposed System		
Pump Efficiency	%	60
Power consumption	KW	7.35
Operating days per annum	days	365
Operating hours per day	hrs	6
Energy consumption	kWh	16,090
A net reduction in power consumption	kWh	12,040
Electric Power Rate	Rs per kWh	12.84
Monitory Saving for One Pump	Rs Lacs	**1,54,591**
Investment Pump Cost	Rs Lacs	**1.25**
Payback Period	**Months**	**9-10**
IRR	**%**	**121.25**

CHAPTER 11 STUDY OF DG SETS

11.1 DG SET FOR THE FACILITY

Two Nos DG sets of different ratings 75 KVA X 1 Nos and 15 KVA X 1 No are installed for emergency power supply. The operation of the DG Sets is during power cuts & testing only. The details of DG are as follows;

Particulars	DG Set – 1	DG Set - 2
Alternator		
Make	Kirloskar	Kirloskar
Rated KVA	75	15
Rated Amp.	104.3	33.2
Voltage	415	230
PF	0.8	0.8
Phase	3	1
Engine		
Make	Kirloskar	Kirloskar

11.2 HISTORICAL DATA OF DG

During the audit, HBTU officials did not provide the Fuel Consumption and KWh generation data.

11.3 REMARKS

The operation of the DG set is limited to power cuts and testing only. The running hours of DG are very low i.e. 1-2 hr in a month, hence, no specific recommendation has been made on DG.

Note: It is suggested that proper log sheets (sample enclosed as Annexure-2) may be maintained for each DG Set. This would help to evaluate the performance of the DG Set periodically.

CHAPTER 12 OTHER POSSIBLE AREAS FOR ENERGY SAVINGS

12.1 SOLAR WATER HEATING SYSTEM (SWHS)

The Institute building has not installed SWH on the rooftop of the building for bathing. There are hostels and guest houses in the building. These canteens normally require hot water, for the washing of utensils, the hot water is generated by using a Gas or Geyser. Because the SWH is not installed for the canteen and in the rooms of hostel and guest house. It is recommended to install a Solar Water Heating System for the bathroom and canteen, which would feed hot water at an average temperature of 70°C. This would reduce the dependence on one unit and also reduce the heat losses in the distribution lines. The resultant Monetary benefit has been worked out as follows:

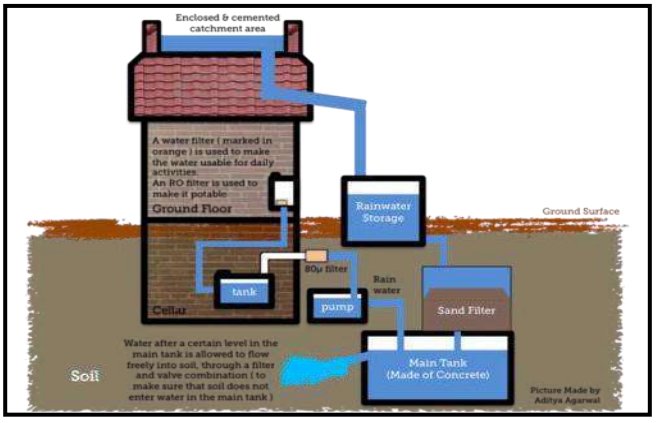
Average Hot Water Temp from the SWHS	70 °C (Net temperature gain – 45°C)
Total Capacity of SWHS	100 LPD X 15 Nos for Canteen
	500 LPD x 1 No for Guest House
	1,000 LPD x 15 Nos for Hostel
Heat Gain by Hot Water (considering 860 kcal/KWh)	7,65,000 Kcal/day Equivalent Power Saving 889 KWh / day
Electric Power Rate	Rs 12.84 per kWh
Annual Energy Savings(considering 150 sunny days per year) Considering 50 % Saving	Rs 8.57 Lacs (66,675 KWh)
Estimated Investments	Rs 42.5 lacs
Simple Payback period	**59-60 months**
IRR	**0.24%**

12.2 SOLAR PHOTOVOLTAIC CELL (SPV)

The building management has not installed a solar PV System on the rooftop of the building. Solar Photovoltaic Cell for Power Generation for lighting load at the building, which would supply light to the lighting feeder. **Solar photovoltaic technologies** convert solar energy into useful energy forms by directly absorbing solar photons—particles of light that act as individual units of energy—and converting part of the energy to electricity. During the audit, we observed that there is ample space for the installation of a Solar PV System (250 KWp, approx. 20 KWp at each building) on the rooftops of buildings like Hostels, Guest House Academic buildings, etc. Hence, the resultant savings are as follows:

Parameters	Unit	Value
Solar photovoltaic capacity	KWp	250
Unit generation per day	kWh/kWp	4.6
Number of operating days in a year	Number	300
Annual unit generation	kWh/year	3,45,000
Electricity charges (Considered)	INR/kWh	12.84
Annual monetary saving	**INR(Lakhs) /Year**	**44.29**
Price of 250 KWp Solar Plant	**INR (Lakhs)**	**125**
Simple payback period	**Months**	**33-34**
IRR	**%**	**22.69%**

12.3 Rain Water Harvesting



Rainwater harvesting is the accumulating and storing, of rainwater for reuse. It has been used to provide drinking water, water for irrigation, as well as other typical uses given to water. Rainwater collected from the roofs of the buildings can make an important contribution to rainwater harvesting. It can supplement the subsoil water level and improve urban greenery. Rainwater harvesting systems can be simple to construct from inexpensive local materials and are potentially successful in most habitable locations.

Roof rainwater can't be of good quality and may require treatment before consumption. Rainwater harvesting systems channel rainwater that falls onto a roof into storage via a system of gutters and pipes. The first flush of rainwater after a dry season should be allowed to run to waste as it will be contaminated with dust, bird droppings, etc. Roof gutters should have sufficient incline to avoid standing water. They must be strong enough, and large enough to carry peak flows. Storage tanks should be covered to prevent mosquito breeding and to reduce evaporation losses, contamination, and algal growth. Rainwater harvesting systems require regular maintenance and cleaning to keep the system hygienic.

There are several types of systems to harvest rainwater ranging from very simple to complex systems. The rate at which water can be collected from either system is dependent on the plan area of the system, its efficiency, and the intensity of rainfall.

CHAPTER 13 BUILDING ENVELOPE

13.1 BUILDING ENVELOPE

The building envelope (or the more modern term, **building enclosure**) is all of the elements of the outer shell that maintain a dry, heated, or cooled indoor environment and facilitate its climate control. Building envelope design is a specialized area of architectural and engineering practice that draws from all areas of building science and indoor climate control.

The many functions of the building envelope can be separated into three categories:

- Support (to resist and transfer structural and dynamic loads)
- Control (the flow of matter and energy of all types)
- Finish (to meet desired aesthetics on the inside and outside)

The control function is at the core of good performance, and in practice focuses, in order of importance, on rain control, air control, heat control, and vapor control.

INDIA IS A TROPICAL COUNTRY

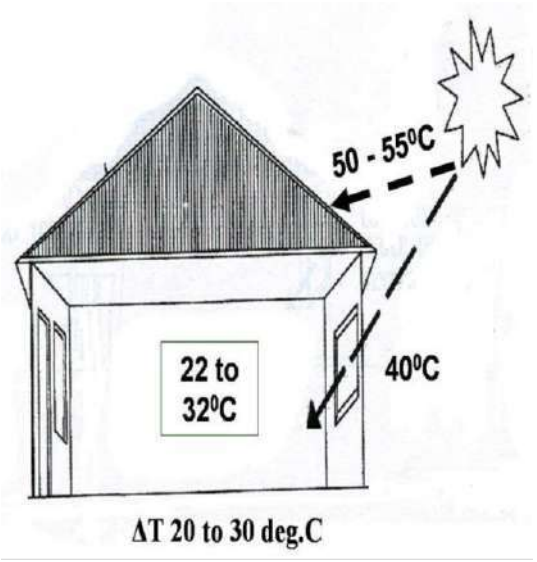
- ❖ High Ambient Mostly 35 To 45^0 C, even 50^0 C
- ❖ Low Winter Temps. 4 To 10^0 C, even minus Temps.
- ❖ High Humidity 60 To 98 percent, even 100 Percent

HIGH AMBIENT & HIGH HUMIDITY

- ❖ Makes Life Miserable
- ❖ Un-Workable Office Atmosphere
- ❖ Continuous Flow of Heat from Environment to Inside of Building

THERMAL INSULATION

- ❖ Thermal Insulation Is the System, Provided to Retard the Flow of Heat or Cold from the Environment to the Inside of the Building and Vice-Versa.
- ❖ 'Cooling of Inside Air in Buildings'
- ❖ Thermal Insulation Is Supposed to Withstand High Ambient & Humid Conditions Predominant in Tropical Indian Environments.



PU Spray Insulation

13.2 HEAT INGRESS WITH AND WITHOUT INSULATION

Up to 10-15% of Office building/ home's heat can be lost through an uninsulated roof. So, insulating the roof is one of the most effective ways to save energy.

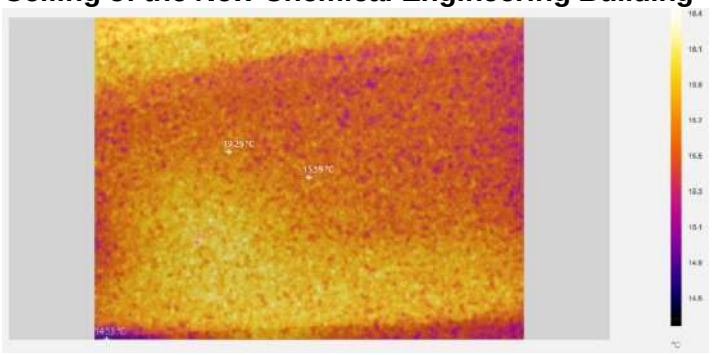
Roof insulation is a barrier of material that's placed in roof space to make it harder for heat to travel in or out. This Insulation barrier slows down the transfer of heat between living space and the outside world, creating a warmer home in winter and a cooler one in summer.

Since the Cost of PU Spray is on the higher side and payback is very high as the investment is very high. Hence, economically not Viable. So, we have not recommended any savings in the building envelope. (Cost of PU Spray approx. 4,000 Rs/ ft^2)

During the audit we measured the surface temperature of the roof top and bottom, as per observation from the above thermogram, the average surface temperature of the roof is around 21.3 °C (Varies from 22.0°C to 26.6°C) and the average temperature of the ceiling below the roof is around 11.7 °C (Varies from 11.4 °C to 12.3°C) and the temperature difference between roof and ceiling of the building is 9.6 °C which is satisfactory. The thermography report is as follows,

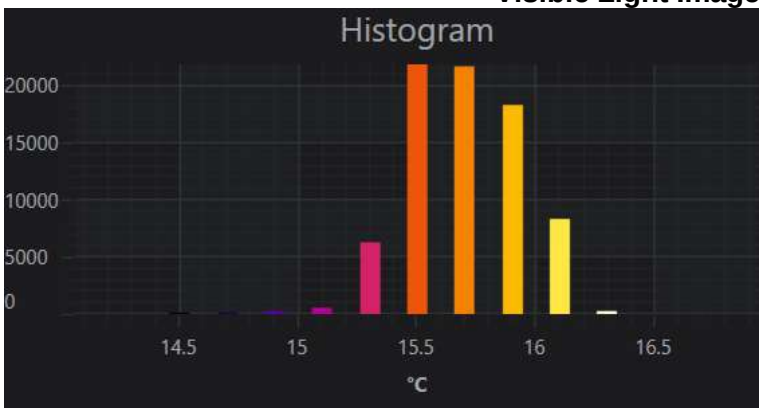
13.3 THERMOGRAPHY OF ROOF TOP AND BOTTOM SURFACE

Ceiling of the New Chemical Engineering Building



IR_01667

Visible Light Image



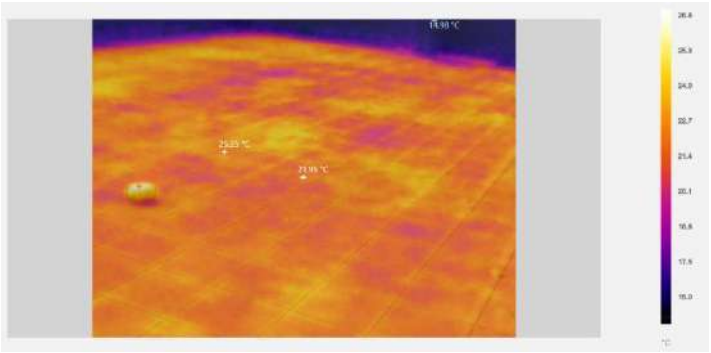
Graph

Image Info

Background temperature	21.7°C
Emissivity	0.95
Average Temperature	15.7°C
Image Range	14.53°C to 16.35°C
Camera Model	TiS45
IR Sensor Size	160 x 120
Calibration Range	-20.0°C to 80.0°C

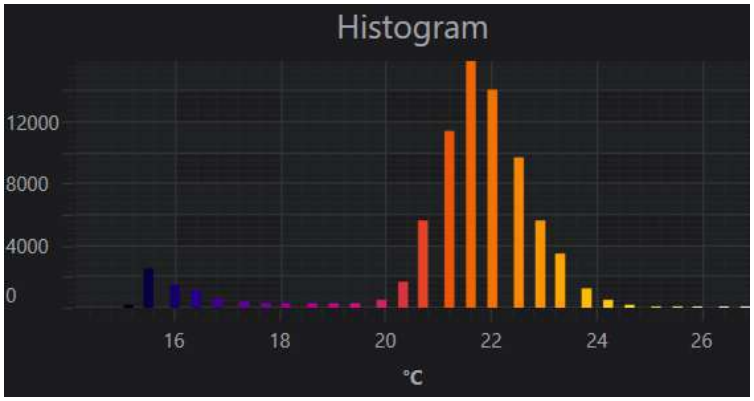
Main Image Markers

Name	Temperature	Emissivity	Background
Centerpoint	15.6°C	0.95	21.7°C
Hot	16.4°C	0.95	21.7°C
Cold	14.5°C	0.95	21.7°C
P0	15.7°C	0.95	21.7°C



Rooftop of the HBTU Institute of Step Building

Visible Light Image



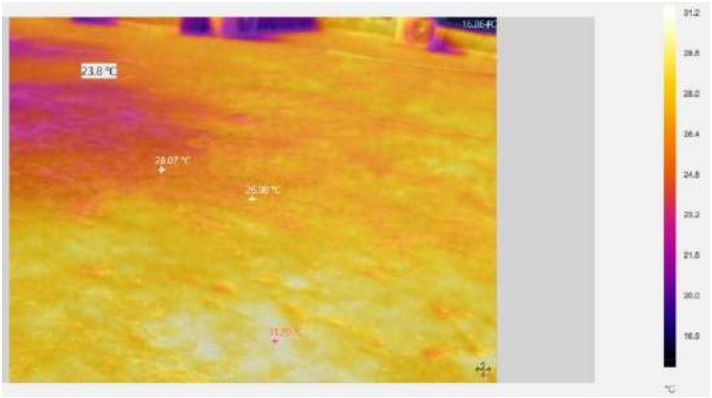
Graph

Image Info

Background temperature	21.7°C
Emissivity	0.95
Average Temperature	21.3°C
Image Range	14.98°C to 26.62°C
Camera Model	TiS45
IR Sensor Size	160 x 120
Calibration Range	-20.0°C to 80.0°C

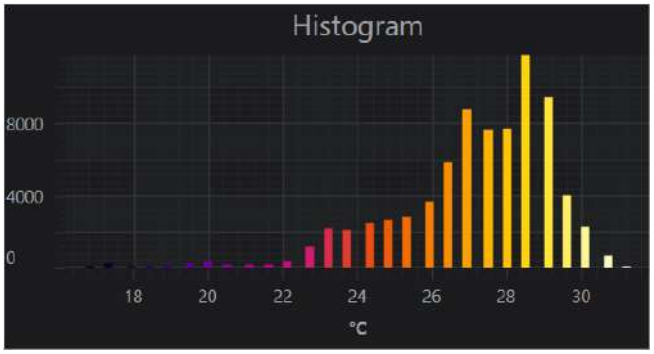
Main Image Markers

Name	Temperature	Emissivity	Background
Centerpoint	22.0°C	0.95	21.7°C
Hot	26.6°C	0.95	21.7°C
Cold	15.0°C	0.95	21.7°C
P0	21.9°C	0.95	21.7°C



Roof top of the HBTU Institute of Step Building

Visible Light Image



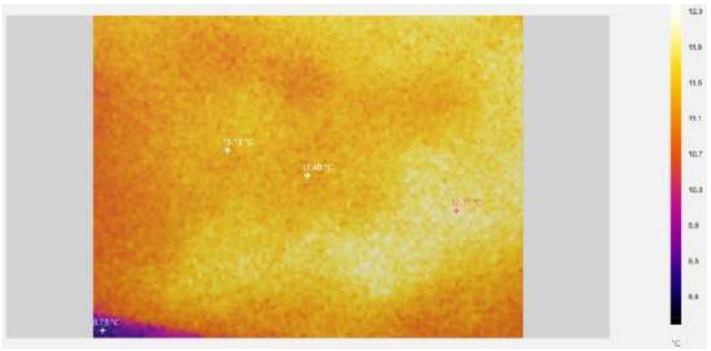
Graph

Image Info

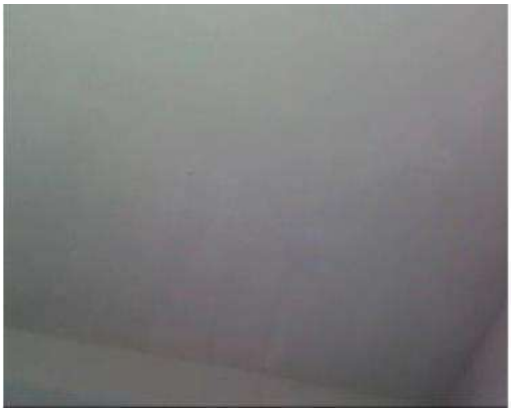
Background temperature	21.7°C
Emissivity	0.95
Average Temperature	27.1°C
Image Range	16.86°C to 31.20°C
Camera Model	TiS45
IR Sensor Size	160 x 120
Calibration Range	-20.0°C to 80.0°C

Main Image Markers

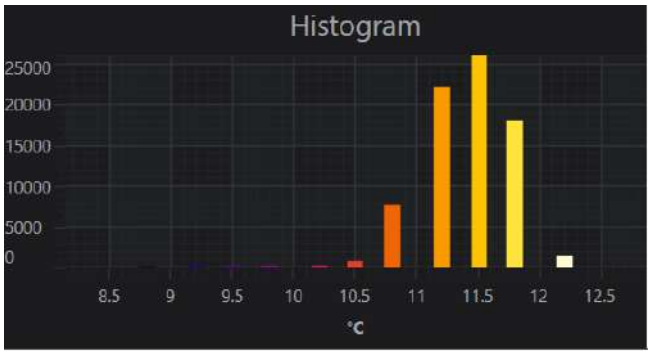
Name	Temperature	Emissivity	Background
Centerpoint	27.0°C	0.95	21.7°C
Hot	31.2°C	0.95	21.7°C
Cold	16.9°C	0.95	21.7°C
P0	24.8°C	0.95	21.7°C



Ceilling of the HBTU Institute of Step Building



Visible Light Image



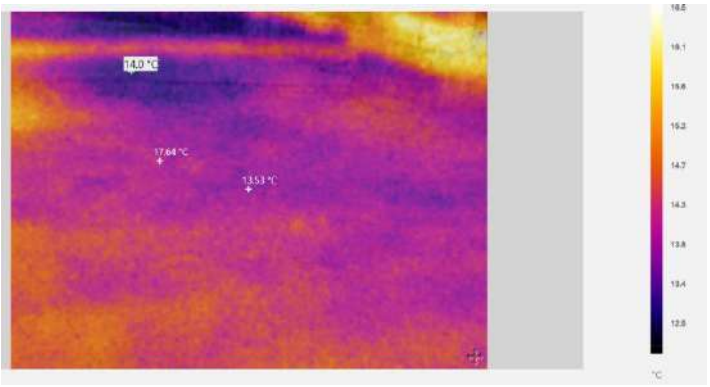
Graph

Image Info

Background temperature	21.7°C
Emissivity	0.95
Average Temperature	11.4°C
Image Range	8.78°C to 12.31°C
Camera Model	TiS45
IR Sensor Size	160 x 120
Calibration Range	-20.0°C to 80.0°C

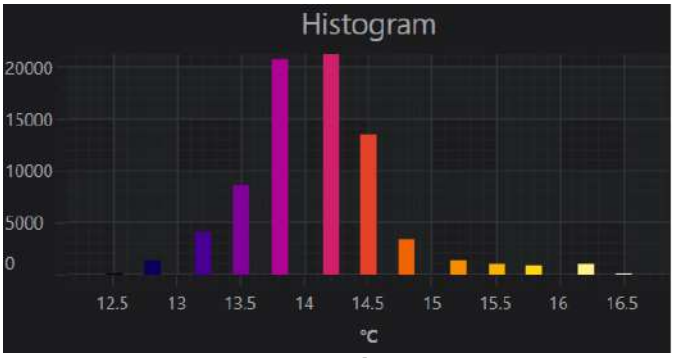
Main Image Markers

Name	Temperature	Emissivity	Background
Centerpoint	11.4°C	0.95	21.7°C
Hot	12.3°C	0.95	21.7°C
Cold	8.8°C	0.95	21.7°C
P0	11.4°C	0.95	21.7°C



Vishweshwaraiya Hostel Roof top Building

Visible Light Image



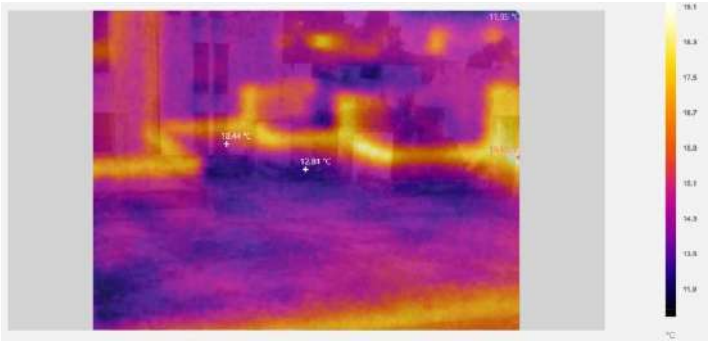
Graph

Image Info

Background temperature	21.7°C
Emissivity	0.95
Average Temperature	14.1°C
Image Range	12.53°C to 16.54°C
Camera Model	TiS45
IR Sensor Size	160 x 120
Calibration Range	-20.0°C to 80.0°C

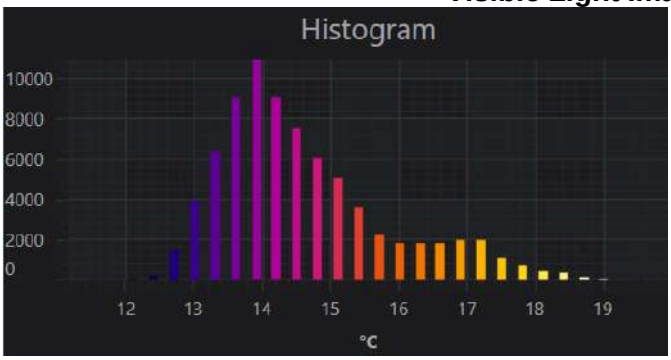
Main Image Markers

Name	Temperature	Emissivity	Background
Centerpoint	13.5°C	0.95	21.7°C
Hot	16.5°C	0.95	21.7°C
Cold	12.5°C	0.95	21.7°C
P0	14.0°C	0.95	21.7°C



Vishweshwaraiya Hostel Rooftop Building

Visible Light Image



Graph

Image Info

Background temperature	21.7°C
Emissivity	0.95
Average Temperature	14.5°C
Image Range	11.95°C to 19.10°C
Camera Model	TiS45
IR Sensor Size	160 x 120
Calibration Range	-20.0°C to 80.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
Centerpoint	12.8°C	0.95	21.7°C
Hot	19.1°C	0.95	21.7°C
Cold	11.9°C	0.95	21.7°C
P0	14.9°C	0.95	21.7°C

13.4 VENTILATION SYSTEM

During the audit, a ventilation system was observed for the building. It was observed around 10-15% ventilation area is available with windows in almost every room. In the washroom, exhaust fans are installed and are properly operational and ventilated.

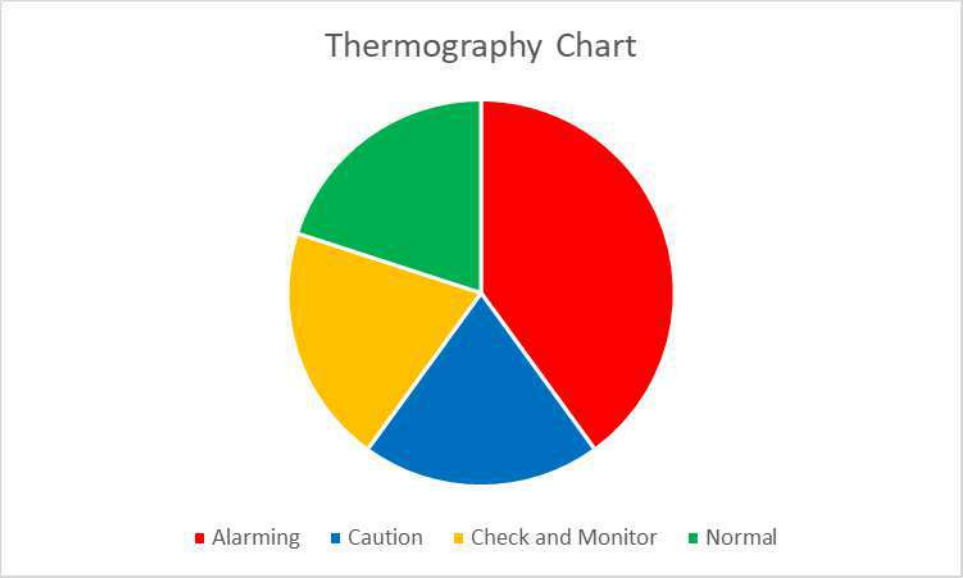
CHAPTER 14 THERMOGRAPHY

14.1 THE PROJECT

Thermography uses specially designed infrared video or still cameras to make images (called thermograms) that show surface heat variations. This technology has a number of applications. Thermograms of electrical systems can detect abnormally hot electrical connections or components.

The salient findings, which require immediate attention of the management, are presented in this section. The HOTSPOTS detected were highlighted in a discussion with technical staff after the Thermal Imaging Survey.

Total Areas/Feeders Scanned	05
Total Thermal Images Captured	05
Risk Level	Number
Alarming	02
Caution	01
Check & Monitor	01
Normal	01



NOTE:

As per NFPA 70 (B) & NETA Standards, the Risk Category is defined as below:

Alarming	Delta T temperature is more than 15˚C.
Caution	Delta T temperature is between 4˚C to 15˚C
Check and Monitor	Delta T temperature is between 1˚C and 4˚C
Normal	Normal temperature

Delta T (differential temperature between the maximum & minimum/temperature near the object) temperatures & corrective actions defined are based on National Fire Protection Association (NFPA) 70B, section 21.17.5.6 of NFPA 70B, 2010 & International Electrical Testing Association (NETA) Standard.

NETA Maintenance Testing Specifications, for electrical equipment

Priority	Delta T between similar components under similar load	Delta T over ambient air temperature	Recommended Action
4	<1°C	1C° to 10C°	Possible deficiency; warrants investigation
3	1 to 3C°	11C° to 20C°	Indicates probable deficiency; repair as time permits
2	4 to 15C°	21C° to 40C°	Monitor until corrective measures can be accomplished
1	>15C°	>40C°	Major discrepancy; repair immediately

Infrared Thermal Imaging-Principle:

All objects that have a temperature above absolute zero (0 Degree Kelvin) emit infrared radiation, which can be measured on the infrared spectral band of the electromagnetic spectrum. The technique of measuring & viewing this energy is called infrared thermography or thermal imaging. Most thermal imaging systems respond to wavelengths of 3 - 5 micrometers or 8 –12 micrometers.

Why Thermal Imaging?

Thermography is nothing but *'capturing heat images on film'*. Swedish power board began inspecting a large number of electrical components (1.5 lakhs plus) way back in 1965 &UK power generation board began effectively utilizing Thermography for predictive maintenance of transmission lines.

The application of both Thermal imaging & Ultrasonic detection techniques is based on a fundamental principle, *'Electrical Failures are preceded by a rise in temperature & sound'*. If you understand this basic principle, carry out effective techniques to detect these failures 'pre-cursors' and take timely corrective action, electrical equipment failures can be avoided. Although T-imaging applications are numerous (quality checks, tank level monitoring, detection of steam leaks, integrity of furnace refractory lining, etc.), we will discuss electrical applications in this application note.

The electrical maintenance practices evolved over a period of time. Breakdown from preventive to predictive to risk /reliability-based maintenance practices. Logically, high-reliability plant & equipment are required to be maintained accordingly. In countries like the USA, UK, France, Netherlands, etc., infrared Inspections are now recognized and recommended as a best practice for the inspection of electrical installations. In order to assess the equipment condition by predicting failures, without losing production, applications such as thermal imaging are gaining importance.

14.2 THERMAL IMAGES- RISK CATEGORIZATION PROCEDURE

14.3 WHY CATEGORIZER IMAGES?

Although it is ideal that corrective action is taken on all thermal images that indicate a potential problem, categorizing helps the plant to take corrective action depending on the severity of the problem since all corrections may not require immediate action.

The risk levels are determined by the Thermographer based on the following factors and aspects:

- Relative temperature difference (Delta T).
- Industrial experience gained over the years to assess equipment conditions
- Thermal imaging & analytical expertise
- Equipment age
- Environmental conditions (ambient temperature, dust, humidity, wind)
- Load level
- Criticality (from a safety, and reliability point of view)
- Past equipment reliability data
- Expertise gained as a Certified Reliability Professional (CRP)

14.4 RISK LEVELS:

14.5 ALARMING LEVEL:

- Delta temperature (differential temperature between the maximum & minimum/temperature near the object) more than 15 degrees centigrade
- Failure could result in a major fire/explosion / over-pressure situation /major abnormality
- Any of the hazardous situations mentioned in Note 1

14.6 CAUTION:

- Delta temperature (differential temperature between the maximum & minimum temperature) is between 4 to 15 degrees centigrade.
- The impact may be confined to the equipment.

- Failure may not have a large impact on safety/environment/production but repair costs may not be insignificant.

14.7 CHECK & MONITOR:

- Delta temperature (differential temperature between the maximum & minimum temperature) is between 1 and 4 degrees centigrade.
- Mostly of a minor/regular disruption that will not affect safety/production/environment.

14.8 NORMAL LEVEL:

- Normal temperatures

Risk Level	Interpretation	Corrective Action Priority levels
ALARMING	Major deficiency	Immediate repair
CAUTION	Deficiency	In the next available opportunity
CHECK & MONITOR	Possible deficiency	Warrants investigation
NORMAL	No deficiency	No action warranted

Notes:

1) Critical equipment is that equipment the failure of which can result in a hazardous condition such as over-pressure explosions / toxic releases/explosions/fires/production disruption / environmental pollution / DCS PLC disruptions/battery banks supplying power to protection relays or DCS / Process upsets / Run Away Reactions / Reactors / Boilers / Turbines / Transformers.

2) Delta T temperatures & corrective actions defined above are based on National Fire Protection Association (NFPA) 70B, section 21.17.5.6 of NFPA 70B, 2010 International Electrical Testing Association (NETA) standards

14.9 THERMAL IMAGES SURVEY REPORT

The salient findings, which require immediate attention of the management, are presented in this section. The HOTSPOTS detected were highlighted in a discussion with technical staff after the Thermal Imaging Survey.

Risk Level	Annexure
Alarming	**Annexure-A**
Caution	
Check & Monitor	
Normal	

14.10 THERMOGRAPHY REPORT OF HOT SPOT POINTS:

S.No	Thermogram Location	Risk Category
1	630KVA TR Main Incomer	Alarming
2	Fuse Unit 25HP Submersible Pump	Alarming
3	100KVA TR (Near Guest House)	Normal
4	Main MCCB	Check & Monitor
5	400KVA TR Main Incomer	Caution

The thermal Image is attached as per Annexure-A

CHAPTER 15 PROJECT FINANCIALS

15.1 COST OF PROJECT AND SAVINGS

Total ECM in Numbers	Total Cost of Projects in Rs Lakhs	Total Savings/Annum in Rs Lakhs	Payback Period (Month)
5	279.47	86.98	33.93

15.2 CASH FLOW STATEMENT

S. No.	Particular	Cash Flow	1st Year	2nd Year	3rd year	4th Year	5th Year	IRR
		Short Term						
1	Improvement of Power Factor	-2,00,000	10,30,195	10,30,195	10,30,195	10,30,195	10,30,195	515.04%
2	Replacement of Inefficient Submersible Pump-2 with Energy Efficient Pump	-1,25,000	1,54,594	1,54,594	1,54,594	1,54,594	1,54,594	121.35%
	Total	**-3,25,000**	**11,84,788**	**11,84,788**	**11,84,788**	**11,84,788**	**11,84,788**	**364.38%**
		Long Term						
3	Installation of Solar Water Heating System on roof top of the buildings (Guest House and Hostels)	-42,50,000	8,56,107	8,56,107	8,56,107	8,56,107	8,56,107	0.24%
4	Installation of Solar PV System	-1,25,00,000	44,29,800	44,29,800	44,29,800	44,29,800	44,29,800	22.69%
5	Replacement of Conventional Fans with BLDC Fans	-1,08,72,000	34,12,699	34,12,699	34,12,699	34,12,699	34,12,699	17.19%
	Total	**-2,76,22,000**	**86,98,606**	**86,98,606**	**86,98,606**	**86,98,606**	**86,98,606**	**17.33%**
	Grand Total	**-2,79,47,000**	**98,83,394**	**98,83,394**	**98,83,394**	**98,83,394**	**98,83,394**	**22.59%**

CHAPTER 16 GENERAL TIPS FOR ENERGY CONSERVATION IN DIFFERENT UTILITY SYSTEMS

16.1 ELECTRICITY

- Schedule your operations to maintain a high load factor
- Minimize maximum demand by tripping loads through a demand controller
- Use standby electric generation equipment for on-peak high load periods.
- Correct power factor to at least 0.99 under rated load conditions.
- Set transformer taps to optimum settings.
- Shut off unnecessary computers, printers, and copiers at night.

16.2 MOTORS

- Properly sized to the load for optimum efficiency.
- (High-efficiency motors offer 4 - 5% higher efficiency than standard motors)
- Check alignment.
- Provide proper ventilation
- (For every 10°C increase in motor operating temperature over the recommended peak, the motor life is estimated to be halved)
- Check for under-voltage and over-voltage conditions.
- Balance the three-phase power supply.
- (An Imbalanced voltage can reduce 3 - 5% in motor input power)
- Demand efficiency restoration after motor rewinding.

16.3 FANS

- Use smooth, well-rounded air inlet cones for fan air intakes.
- Avoid poor flow distribution at the fan inlet.
- Minimize fan inlet and outlet obstructions.
- Clean screens, filters, and fan blades regularly.
- Use aerofoil-shaped fan blades.
- Minimize fan speed.
- Use low-slip or flat belts.
- Check belt tension regularly.
- Eliminate variable pitch pulleys.
- Use variable speed drives for large variable fan loads.
- Use energy-efficient motors for continuous or near-continuous operation
- Eliminate leaks in ductwork.

- Minimize bends in ductwork
- Turn fans off when not needed.

16.4 PUMPS

- Operate pumping near the best efficiency point.
- Modify pumping to minimize throttling.
- Adapt to wide load variation with variable speed drives or sequenced control of smaller units.
- Stop running both pumps -- add an auto-start for an online spare or add a booster pump in the problem area.
- Use booster pumps for small loads requiring higher pressures.
- Increase fluid temperature differentials to reduce pumping rates.
- Repair seals and packing to minimize water waste.
- Balance the system to minimize flows and reduce pump power requirements.
- Use siphon effect to advantage: don't waste pumping head with a free-fall (gravity) return.

16.5 HVAC (HEATING / VENTILATION / AIR CONDITIONING)

- Tune up the HVAC control system.
- Consider installing a building automation system (BAS) or energy management system (EMS) or restoring an out-of-service one.
- Balance the system to minimize flows and reduce blower/fan/pump power requirements.
- Eliminate or reduce reheat whenever possible.
- Use appropriate HVAC thermostat setback.
- Use building thermal lag to minimize HVAC equipment operating time.
- In winter during unoccupied periods, allowing temperatures to fall as low as possible without freezing water lines or damaging stored materials.
- In summer during unoccupied periods, allowing temperatures to rise as high as possible without damaging stored materials.
- Improve control and utilization of outside air.
- Use air-to-air heat exchangers to reduce energy requirements for heating and cooling of outside air.
- Reduce HVAC system operating hours (e.g. -- night, weekend).
- Optimize ventilation.

- Ventilate only when necessary. To allow some areas to be shut down when unoccupied, install dedicated HVAC systems on continuous loads (e.g. -- computer rooms).
- Provide dedicated outside air supply to kitchens, cleaning rooms, combustion equipment, etc. to avoid excessive exhausting of conditioned air.
- Use evaporative cooling in dry climates.
- Clean HVAC unit coils periodically and comb mashed fins.
- Upgrade filter banks to reduce pressure drop and thus lower fan power requirements.
- Check HVAC filters on a schedule (at least monthly) and clean/change if appropriate.
- Check pneumatic control air compressors for proper operation, cycling, and maintenance.
- Isolate air-conditioned loading dock areas and cool storage areas using high-speed doors or clear PVC strip curtains.
- Install ceiling fans to minimize thermal stratification in high-bay areas.
- Relocate air diffusers to optimum heights in areas with high ceilings.
- Consider reducing ceiling heights.
- Eliminate obstructions in front of radiators, baseboard heaters, etc.
- Check reflectors on infrared heaters for cleanliness and proper beam direction.
- Use professionally designed industrial ventilation hoods for dust and vapor control.
- Use local infrared heat for personnel rather than heating the entire area.
- Use spot cooling and heating (e.g. -- use ceiling fans for personnel rather than cooling the entire area).
- Purchase only high-efficiency models for HVAC units.
- Put HVAC window units on timer control.
- Don't oversize cooling units. (Oversized units will "short-cycle" which results in poor humidity control.)
- Install multi-fueling capability and run with the cheapest fuel available at the time.
- Consider dedicated make-up air for exhaust hoods. (Why exhaust the air conditioning or heat if you don't need to?)
- Minimize HVAC fan speeds.

- Consider desiccant drying of outside air to reduce cooling requirements in humid climates.
- Seal leaky HVAC ductwork.
- Seal all leaks around the coils.
- Repair loose or damaged flexible connections (including those under air handling units).
- Eliminate simultaneous heating and cooling during seasonal transition periods.
- Zone HVAC air and water systems to minimize energy use.
- Inspect, clean, lubricate, and adjust damper blades and linkages.
- Establish an HVAC efficiency maintenance program. Start with an energy audit and follow-up, then make an HVAC efficiency-maintenance program a part of your continuous energy management program.

16.6 LIGHTING

- Reduce excessive illumination levels to standard levels using switching; de-lamping, etc. (Know the electrical effects before doing de-lamping.)
- Aggressively control lighting with clock timers, delay timers, photocells, and/or occupancy sensors.
- Install Energy Efficient alternatives to incandescent lighting, mercury vapor lighting, etc.
- Upgrade obsolete fluorescent systems, Compact fluorescents and electronic ballasts to Energy Efficient LED lights.
- Consider lowering the fixtures to enable using less of them.
- Consider daylighting, skylights, etc.
- Consider painting the walls a lighter color and using less lighting fixtures or lower wattages.
- Use task lighting and reduce background illumination.
- Re-evaluate exterior lighting strategy, type, and control. Control it aggressively.
- Change exit signs from incandescent to LED.

16.7 DG SETS

- Optimize loading
- Use waste heat to generate steam/hot water /power an absorption chiller or preheat process or utility feeds.
- Use jacket and head cooling water for process needs
- Clean air filters regularly

- Insulate exhaust pipes to reduce DG set room temperatures
- Use cheaper heavy fuel oil for capacities more than 1MW

16.8 BUILDINGS

- Seal exterior cracks/openings/gaps with caulk, gas kiting, weather tripping, etc.
- Consider new thermal doors, thermal windows, roofing insulation, etc.
- Install windbreaks near exterior doors.
- Replace single-pane glass with insulating glass.
- Consider covering some window and skylight areas with insulated wall panels inside the building.
- If visibility is not required but light is required, consider replacing exterior windows with an insulated glass block.
- Consider tinted glass, reflective glass, coatings, awnings, overhangs, draperies, blinds, and shades for sunlit exterior windows.
- Use landscaping to your advantage.
- Add vestibules or revolving doors to primary exterior personnel doors.
- Consider automatic doors, air curtains, strip doors, etc. at high-traffic passages between conditioned and non-conditioned spaces. Use self-closing doors if possible.
- Use intermediate doors in stairways and vertical passages to minimize the building stack effect.
- Use dock seals at shipping and receiving doors.
- Bring cleaning personnel in during the working day or as soon after as possible to minimize lighting and HVAC costs.

16.9 WATER & WASTEWATER

- Recycle water, particularly for uses with less critical quality requirements.
- Recycle water, especially if sewer costs are based on water consumption.
- Balance closed systems to minimize flows and reduce pump power requirements.
- Eliminate once-through cooling with water.
- Use the least expensive type of water that will satisfy the requirement.
- Fix water leaks.
- Test for underground water leaks. (It's easy to do over a holiday shutdown.)
- Check water overflow pipes for proper operating level.
- Automate the blowdown to minimize it.

- Provide proper tools for washing down -- especially self-closing nozzles.
- Install efficient irrigation.
- Reduce flows at water sampling stations.
- Eliminate continuous overflow at water tanks.
- Promptly repair leaking toilets and faucets.
- Use water restrictors on faucets, showers, etc.
- Use self-closing type faucets in restrooms.
- Use the lowest possible hot water temperature.
- Do not use a heating system hot water boiler to provide service hot water during the cooling season -- install a smaller, more efficient system for the cooling season service hot water.
- If water must be heated electrically, consider accumulation in a large insulated storage tank to minimize heating at on-peak electric rates.
- Use multiple, distributed, small water heaters to minimize thermal losses in large piping systems.
- Use freeze protection valves rather than manual bleeding of lines.
- Consider leased and mobile water treatment systems, especially for deionized water.
- Seal sumps to prevent seepage inward from necessitating extra sump pump operation.
- Install pretreatment to reduce TOC and BOD surcharges.
- Verify the water meter readings. (You'd be amazed how long a meter reading can be estimated after the meter breaks or the meter pit fills with water)
- Verify the sewer flows if the sewer bills are based on them.

16.10 MISCELLANEOUS

- Meter any unmetered utilities. Know what is normal efficient use. Track down causes of deviations.
- Shut down spare, idling, or unneeded equipment.
- Make sure that all of the utilities to redundant areas are turned off -- including utilities like compressed air and cooling water.
- Install automatic control to efficiently coordinate multiple air compressors, chillers, cooling tower cells, boilers, etc.
- Renegotiate utility contracts to reflect current loads and variations.

- Consider buying utilities from neighbors, particularly to handle peaks.
- Leased space often has low-bid inefficient equipment. Consider upgrades if your lease will continue for several more years.
- Adjust fluid temperatures within acceptable limits to minimize undesirable heat transfer in long pipelines.
- Minimize the use of flow bypasses and minimize bypass flow rates.
- Provide restriction orifices in purges (nitrogen, steam, etc.).
- Eliminate unnecessary flow measurement orifices.
- Consider alternatives to high-pressure drops across valves.
- Turn off the winter heat tracing that is on in summer.

CHAPTER 17 ENERGY MANAGEMENT STRATEGY

Energy Management should be seen as a continuous process. Strategies should be reviewed annually and revised as necessary. The key activities suggested have been outlined below:

17.1 IDENTIFY A STRATEGIC CORPORATE APPROACH

The starting point in energy management is to identify a strategic corporate approach to energy management. Clear accountability for energy usage needs to be established, appropriate financial and staffing resources must be allocated and reporting procedures initiated. An energy management program requires commitment from the whole organization to be successful. A record of Energy consumption must be kept and monitored on a regular basis, to optimize Energy consumption. For this, various meters may have to be installed.

17.2 DESIGNATE AN ENERGY MANAGER

An Energy Manager must be identified and time-bound responsibility must be given to him in getting to implement the findings of the Energy Audit points, which the Building / Establishment has planned to implement.

17.3 SET UP AN ENERGY MONITORING AND REPORTING SYSTEM

Successful energy management requires the establishment of a system to collect/ analyze and report energy costs and consumption patterns. This will enable an overview of energy use and its related costs, as well as facilitate the identification of savings that might `otherwise not be detected. The system needs to record both historical and ongoing energy use, as well as cost information from billing data, and be capable of producing summary reports regularly. This information will provide how trends can be analysed and reviewed for corrective measures.

17.4 IMPLEMENT A STAFF AWARENESS AND TRAINING PROGRAM

A key ingredient to the success of an energy management program is maintaining a high level of awareness among staff. This can be achieved in several ways, including formal training, newsletters, posters, and publications. It is important to communicate program plans and case studies that demonstrate savings and to report results at least at 12-month intervals. Staff may need training from specialists on energy-saving practices and equipment.

Annexure-I

List of Energy-Efficient Equipment Suppliers

Particulars	Address with Phone No
Automatic Power Factor Controler	Treffer Power System Solution Private Limited, Gat No. 1538, Dehu Alandi Road Tal. Haveli, Chikhali, Pune - 411062, Dist. Pune, Maharashtra, Phone 08048962794
Automatic Power Factor Controler	A. D. Electric Co., 281/1/1 C, B.B. Ganguly Street, Near Poddar Court, Tiretti, Kolkata-700012, West Bengal, India, Phone 08047631944
Automatic Power Factor Controler	Vikash Enterprises, 37/A/H/2, Cossi Pore Road, Pugulia Petrol Pump, Satchasi Para, Kolkata-700002, West Bengal, India Phone 8046069158
Automatic Power Factor Controler	Indian Power Systems, Er 22, Inder Puri Near PVR Cinema, New Delhi-110012, Delhi, India, Phone 7942561179
Maximum Demand Controller	Crystal Controls, 601, 6Th, Elanza Vertex, B/H Armieda House Off S.G.Highway, Bodakdev, Sindhu Bhavan Road, Ahmedabad-380054, Gujarat, India, Phone 8043890355
Maximum Demand Controller	Electrical Controls & Switchgears, No. 984 - A - 1, Saraswati Marg, Near Jaidi Market, Mandawali, Fazalpur, Vinod Nagar North, New Delhi - 110092, Delhi, India, Phone 08047647360
Maximum Demand Controller	JMD Infra Power, B-4/153-A, Khasra No-19/8/1 19/8/2, Harsh Vihar, Gali No 6, Near Sunday Bazar, North East, Mandoli, Delhi - 110093, India, Phone 08046077065
Maximum Demand Controller	Metalink Engineers, 3636, Sector-32-A, Urban Estate, Chandigarh Road, Sector 32A, Ludhiana-141010, Punjab, India Phone 08048269253
BLDC Fan	Bhosle Engineers, E-203, Panchvati Nest, Chikhali Road, Keshav Nagar, Talwade, Pune - 412114, Dist. Pune, Maharashtra
	Phone 8046032058
BLDC Fan	Electronics, TOP Floor, 2067-68, Namdhari Building Chah Indara, Bhagirath Palace, Chandni Chowk, Delhi - 110006, Delhi Phone 8048977604
BLDC Fan	Indium Technologies LLP, Survey No. 272/1, Plot No.19, Indium Technologies LLP, Opp. Avadh CNG Station, Shaper, Behind Hariom Petrol Pump, Piplana, Rajkot-360024, Gujarat, India Phone 8048209482

Particulars	Address with Phone No
BLDC Fan	Jai Hanuman Enterprises, 25A, Chandney Chowk Street, Princep Street, Kolkata-700072, West Bengal, India Phone 8048209482
BLDC Fan	Digismart Electricals, First Floor, Plot no -51, Sector -18, Rohini, Block -H, pocket -3, Rohini, New Delhi - 110085, Dist. New Delhi, Delhi, Phone 7942560890
Split AC/Window AC	Perfect Air Conditioning Trading Company, A- 269, Okhla Industrial Area, Phase- 1, Okhla Industrial Estate, New Delhi - 110020, Delhi, India Phone 8046043306
Split AC/Window AC	VV Enterprises, Plot No. 163, Sector- 59, (Huda) Faridabad, Ballabhgarh, Faridabad - 121003, Dist. Faridabad, Haryana Phone 8048954880
Split AC/Window AC	V.K Electronics, Ground Floor, Khasra No. 33/16, Guru Nanak Vihar Extn, Chander Vihar Main Road, Nilothi, West, New Delhi - 110041, Delhi, India Phone +91-7949224205
Split AC/Window AC	Wiscon Industries Limited, C-64, DDA Complex, Okhla Industrial Phase 1 Road, New Delhi C-64, DDA Complex, New Delhi - 110020, Dist. New Delhi, Delhi Phone 7948220704
Split AC/Window AC	Mahesh Traders, SCR 89, Phase 2 Ramdarbar, Ram Darbar, Chandigarh - 160002, Dist. Chandigarh, Chandigarh, Phone 8047683946
Split AC/Window AC	Leopardmob, 9/52, Krishnagiri Road, Nanawati Estate Pal Bagan Lane, Belurmath, Pal Bagan Lane, Belurmath, Howrah - 711202, Dist. Howrah, West Bengal Phone 8047829932
Pumps	Amrut Energy Private Limited, B-1308, 13th Floor, Empire Business Hub Science City Road, Sola, Ahmedabad - 380060, Dist. Ahmedabad, Gujarat, Phone 8048956627
Pumps	Kashinath Engineering Private Limited, A-29, Sector-10,, Sector 10, Noida - 201301, Dist. Gautam Buddha Nagar, Uttar Pradesh Phone 7942533288
Pumps	IB Monotaro Private Limited, Khasra No. 401 and 402, First Floor, Kaluram Market, M G Road, Ghitorni, Delhi, Ghitorni, New Delhi - 110030, Dist. New Delhi, Delhi, Phone 8047530688
Pumps	Jalsons Pump, Umiya Industrial Zone-2, Plot No-9, Opp Umiya Steel, Near Teraflow Pipe, Ribda, Kothariya, Gondal - 360311, Dist. Rajkot, Gujarat,

Particulars	Address with Phone No
	Phone 8047655338
Pumps	Jagdish Industrial Corporation, No. 13A, East Mohan Nagar, Industrial Area 100 Feet Road, Sudarshan Nagar, Amritsar - 143001, Dist. Amritsar, Punjab Phone 8048984380
Solar PV System	Thermosun Engineering Power India Pvt. Ltd. Head office: Malviya Nagar Main Market Delhi, Branch office: New Gagan Vihar, Nehru Road, Near Railway Station, Baraut U.P. M- 9999664087, 8077914097
Solar PV System	Surya Kiran Enterprise, Office No 8, 9, Second Floor, Sunrise Mall Vasundhara, Ghaziabad - 201012, Uttar Pradesh, India Phone 07942562189
Solar PV System	Bright Solar Energy Solutions, 6-248, Near Taluk Office, Udupi, Karkal - 574104, Karnataka, India Phone +91-7942833423
Solar PV System	Alien Energy, A-16/6, Om Sai Complex, Sahibabad Industrial Area Site 4 Sahibabad, Ghaziabad, Uttar Pradesh 201010 Phone +9199582 86100
Solar PV System	Solar.In, Suraj Apartment New Town, Action Area 1 Opposite Of DLF IT Park 1, Kolkata, India 700156 Phone +91 9438478290
Solar Water Heating System	Chandrlok International, No. 114, Daryaganj, Daryaganj, New Delhi - 110002, Dist. New Delhi, Delhi, Phone 8048987567
Solar Water Heating System	Hotter Solar Equipments, BH Bharat Steel Plot No 172 Gondal Highway Veraval, Piplana, Shaper - 360024, Dist. Rajkot, Gujarat, Phone 8046058403
Solar Water Heating System	Vaishnavi Solar, 525, Phonix Complex, Sayaji Gunj Makarpura Road, Manjalpur, Vadodara - 390005, Dist. Vadodara, Gujarat Phone 8046062184
Solar Water Heating System	Shree Ashoka Solar And Energy Pvt. Ltd., Plot No 3\B, 1st Floor, Buggewar Layout, T- Point, Ishwar Nagar, Nagpur - 440009, Dist. Nagpur, Maharashtra Phone 8046051062
Solar Water Heating System	Manish Enterprises, No. 2314, Behind Royal Challange Hotel Next To Kiran Educare, Near Korum Mall, Wagle Estate, Thane West, Thane - 400604, Dist. Thane, Maharashtra Phone 8046041483
Solar Water Heating System	Sudarshan Solar House, 546, New Shukrawari, Nagpur, Nagpur, Mominpura, Nagpur - 440002, Dist. Nagpur, Maharashtra, Phone 8048968037

Note: - The suppliers mentioned above are not the only ones or the best in the market. The management may contact other suppliers for competitive rates/ specifications.

Annexure-2

Recommended Lux Levels for different locations

➢ **Entrance**	
Entrance halls, lobbies, waiting rooms	= 200
Inquiry Desks	= 500
Gate Houses	= 200
➢ **Circulation Areas**	
Lifts	= 100
Corridors, passageways, stairs	= 100
Escalators, revelators	= 150
➢ **Medicine & First Aid Centers**	
Consulting Rooms, Treatment Rooms	= 500
Rest Rooms	= 150
Medical Stores	= 150
➢ **Staff Rooms**	
Offices	= 300
Changing, locker and cleaners room, Cloakrooms, lavatories	= 100
Rest Rooms	= 150
➢ **Staff Restaurants**	
Canteens, Cafeterias, dining rooms, mess rooms	= 200
Survey, vegetable preparation, washing up area	= 300
Food preparation & cooking	= 500
Food stores, cellars	= 150
➢ **Communication**	
Switchboard rooms	= 300
Telephone, apparatus rooms	= 150
Telex room, post rooms	= 500
Reprographic room	= 300

Annexure-3

Sample Log Sheet for DG Performance Monitoring

A	B	C	D	E	F	G	H	I
Date	Time Start	Time Stop	Running Hours	Power Generated (Kwh)	Fuel Tank			Specific Power Consumption (Kwh/ ltr)(E/H)
					Initial Dip (mm)	Final Dip (mm)	Consumption (Lts)	

Annexure-4: Site Photograph


243.4
244.5
244.4
+120
+120
+120
RMS
THD
2

Annexure-5: Load Profile of the TR-1

Date:	Time:	Freq	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	3:20:10 PM	50.03	254.3	254.4	255	106.4	119.6	126.5	23038	21915	23713	68666	0.85	0.719	0.734	1.1	1.5	1.3	10.3	15.4	11.5
29-Dec-24	3:20:15 PM	50.02	254.2	254.3	254.9	107	119.5	125.6	23190	21897	23407	68493	0.852	0.72	0.73	1.1	1.5	1.3	10	15.3	11.5
29-Dec-24	3:20:20 PM	50.02	254.3	254.4	254.9	107.1	119.6	126.5	23274	21907	23688	68869	0.853	0.719	0.734	1.1	1.5	1.3	10	15.4	11.4
29-Dec-24	3:20:25 PM	50.02	254.4	254.6	255	107	119.5	125.2	23222	21913	23255	68390	0.852	0.719	0.728	1.1	1.5	1.3	10.6	15.4	11.7
29-Dec-24	3:20:30 PM	50.03	254.4	254.7	255	107	119.5	125	23222	21914	23171	68307	0.852	0.719	0.726	1.1	1.6	1.3	10.5	15.6	11.7
29-Dec-24	3:20:35 PM	50.03	254.5	254.5	254.8	107.3	119.6	126.3	23336	21813	23594	68743	0.854	0.716	0.732	1.1	1.6	1.3	10.6	15.7	11.9
29-Dec-24	3:20:40 PM	50.03	254.5	254.4	254.9	106.8	119.4	124.7	23186	21748	23002	67937	0.852	0.715	0.723	1.1	1.5	1.3	10.4	15.7	11.9
29-Dec-24	3:20:45 PM	50.03	254.5	254.4	254.9	107.5	119.6	124.6	23362	21895	22859	68116	0.853	0.719	0.719	1.1	1.5	1.3	10.8	15.6	12.1
29-Dec-24	3:20:50 PM	50.03	254.4	254.4	254.8	106.9	119.5	126.8	23226	21831	23660	68717	0.853	0.717	0.731	1.1	1.5	1.3	10.7	15.3	11.5
29-Dec-24	3:20:55 PM	50.03	254.3	254.4	254.8	107.3	119.4	124.4	23290	21825	22825	67940	0.852	0.718	0.719	1.1	1.5	1.2	10.9	15.4	11.8
29-Dec-24	3:21:00 PM	50.02	255	253.9	254.7	107.3	119.2	124.6	23367	21763	22841	67971	0.853	0.718	0.719	1.1	1.5	1.3	10.4	15.5	11.8
29-Dec-24	3:21:05 PM	50.02	255.2	253.7	255	106.9	119.3	126.1	23322	21774	23356	68453	0.854	0.718	0.726	1.1	1.4	1.3	10	15.2	11.4
29-Dec-24	3:21:10 PM	50.03	255.1	253.6	255	107.4	119.2	124.4	23457	21754	22774	67984	0.855	0.719	0.717	1.1	1.4	1.2	9.9	15.3	11.4
29-Dec-24	3:21:15 PM	50.03	255.1	253.5	254.9	105.9	121	124.3	23000	22641	22756	68396	0.851	0.737	0.717	1.1	1.4	1.3	9.8	15.5	11.8
29-Dec-24	3:21:20 PM	50.03	255.1	253.4	254.9	106.4	119.9	125.6	23256	22354	23201	68811	0.856	0.735	0.724	1.1	1.4	1.3	10.1	15.8	11.7
29-Dec-24	3:21:25 PM	50.02	255.1	253.3	254.9	106.8	127.4	124	23352	24760	22698	70810	0.856	0.767	0.717	1.1	1.4	1.2	10.5	14.3	11.6
29-Dec-24	3:21:30 PM	50.02	255.2	253.4	254.8	105.9	127.6	123.9	23090	24772	22689	70550	0.854	0.766	0.718	1.1	1.3	1.2	9.9	13.5	11
29-Dec-24	3:21:35 PM	50.02	255.1	253.3	254.8	106.1	128.1	125.4	23147	24914	23169	71230	0.855	0.767	0.725	1.1	1.4	1.3	10.3	13.9	11.2
29-Dec-24	3:21:40 PM	50.02	255.1	253.3	254.8	106.1	128.1	124.4	23174	24934	22839	70947	0.855	0.767	0.72	1.1	1.4	1.2	9.7	13.8	11.2
29-Dec-24	3:21:45 PM	50.01	255.1	253.2	254.8	105.8	130.8	124.1	23084	25775	22737	71596	0.855	0.777	0.718	1.1	1.4	1.3	9.6	13.7	11.5
29-Dec-24	3:21:50 PM	50	254.9	253.1	254.8	106.2	130.9	125.8	23189	25771	23329	72289	0.855	0.777	0.727	1.1	1.5	1.3	9.8	14	11.7
29-Dec-24	3:21:55 PM	50	254.9	253.1	254.8	105.9	131.6	124.3	23067	26006	22813	71886	0.854	0.78	0.719	1.1	1.5	1.3	10	13.9	12.1
29-Dec-24	3:22:00 PM	50	254.9	253.1	254.8	106.3	135.8	123.9	23160	27453	22685	73298	0.854	0.798	0.718	1.1	1.5	1.3	10.3	13.5	12.1
29-Dec-24	3:22:05 PM	50	254.9	253.1	254.8	106	135.9	125.3	23062	27462	23161	73685	0.852	0.798	0.725	1.1	1.5	1.3	10.5	13.5	12
29-Dec-24	3:22:10 PM	50	255.1	253	254.7	105.7	132.3	123.9	22842	26363	22656	71861	0.847	0.786	0.717	1.1	1.5	1.3	10.8	13.9	12.1
29-Dec-24	3:22:15 PM	49.99	254.8	253	254.7	106	135.6	123.7	22906	27362	22646	72914	0.847	0.797	0.718	1.1	1.5	1.3	10.6	13.4	11.7
29-Dec-24	3:22:20 PM	49.99	254.9	253.1	254.7	105.4	135.3	125.1	22800	27234	23136	73170	0.848	0.794	0.725	1.1	1.5	1.3	9.8	12.9	11
29-Dec-24	3:22:25 PM	49.99	255	253.3	254.8	106	132.1	124.2	22956	26332	22800	72088	0.849	0.786	0.72	1.1	1.5	1.3	10	13.6	11.5
29-Dec-24	3:22:30 PM	50	255	253.4	254.8	105.3	131.2	124.1	22786	26022	22777	71586	0.847	0.782	0.72	1.1	1.5	1.2	10	13.5	11.6
29-Dec-24	3:22:35 PM	50	255.1	253.2	254.6	106.2	131	125.2	23066	25963	23149	72178	0.851	0.782	0.725	1.1	1.5	1.2	9.6	13.2	11
29-Dec-24	3:22:40 PM	50	255.1	253.1	254.6	104.2	131.6	123.8	22416	26144	22634	71194	0.842	0.784	0.717	1.1	1.5	1.2	10.3	13.5	11.5
29-Dec-24	3:22:45 PM	49.99	255.2	253.1	254.7	102.2	131.5	123.8	21781	26114	22571	70466	0.834	0.784	0.715	1	1.5	1.2	10.3	13.5	11.6
29-Dec-24	3:22:50 PM	49.99	255.3	253.1	254.7	101.6	131.7	125.3	21623	26166	22948	70736	0.833	0.784	0.718	1	1.5	1.2	10.2	13.4	11.5
29-Dec-24	3:22:55 PM	49.99	255.2	253	254.6	102.1	131.7	123.9	21726	26196	22437	70358	0.833	0.785	0.71	1	1.5	1.2	10.1	13.4	11.7
29-Dec-24	3:23:00 PM	49.99	255.2	253	254.7	101.6	131.9	124	21613	26274	22415	70302	0.832	0.786	0.709	1	1.5	1.2	10.3	13.4	11.7
29-Dec-24	3:23:05 PM	49.99	255.1	252.9	254.7	105.1	134.2	125.2	22782	27089	22847	72717	0.849	0.797	0.716	1	1.5	1.2	9.8	13.8	11.3
29-Dec-24	3:23:10 PM	49.99	255.1	252.9	254.7	106.7	133.9	123.9	23249	27030	22402	72681	0.853	0.797	0.709	1	1.5	1.2	9.6	13.8	11.4
29-Dec-24	3:23:15 PM	49.99	255.1	252.9	254.7	106.1	133.3	124.3	23087	26813	22544	72445	0.852	0.795	0.711	1	1.5	1.2	9.6	13.8	11.3
29-Dec-24	3:23:20 PM	49.98	255.1	252.9	254.7	106.4	131	125.6	23208	25968	22992	72168	0.854	0.783	0.718	1	1.5	1.2	9.5	13.6	11.4
29-Dec-24	3:23:25 PM	49.99	255.1	252.9	254.7	106.1	132	123.8	23083	26353	22346	71783	0.852	0.789	0.707	1.1	1.5	1.2	9.7	14	11.6

Date:	Time:	Freq	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	3:23:30 PM	49.98	255.1	253	254.7	106.3	131.9	123.8	23137	26330	22344	71811	0.853	0.788	0.708	1.1	1.5	1.2	9.6	14.1	11.5
29-Dec-24	3:23:35 PM	49.99	255.1	253	254.7	106.2	130.6	125.2	23133	25844	22821	71798	0.853	0.781	0.715	1.1	1.5	1.2	9.6	13.8	11.5
29-Dec-24	3:23:40 PM	49.99	255.1	253.1	254.8	106.4	130.6	124.1	23184	25861	22440	71485	0.853	0.782	0.709	1.1	1.5	1.2	9.7	13.9	11.8
29-Dec-24	3:23:45 PM	49.99	255	253.1	254.9	106.5	130.5	120.3	23167	25834	21044	70045	0.852	0.782	0.686	1.1	1.6	1.2	10.1	14.2	12.5
29-Dec-24	3:23:50 PM	49.99	255	253.1	254.9	106.9	132.2	121.2	23458	26466	21414	71338	0.86	0.79	0.692	1	1.5	1.2	9.2	13.9	11.6
29-Dec-24	3:23:55 PM	49.99	255	253.1	254.9	106.5	131.5	120.2	23354	26205	21033	70592	0.859	0.787	0.686	1	1.5	1.2	9	13.8	11.8
29-Dec-24	3:24:00 PM	49.99	255	253.1	254.8	106.4	130.6	120.3	23309	25858	21050	70217	0.859	0.782	0.686	1	1.5	1.2	9.3	13.9	11.8
29-Dec-24	3:24:05 PM	49.99	255	253.1	254.8	107.1	130.8	121.7	23488	25927	21558	70973	0.859	0.782	0.694	1	1.6	1.2	9.9	14.2	12.3
29-Dec-24	3:24:10 PM	49.99	254.8	253.1	254.8	107	130.6	120.3	23594	25863	21090	70547	0.864	0.782	0.687	1	1.6	1.2	9.8	13.9	12
29-Dec-24	3:24:15 PM	49.99	254.8	253.1	254.8	107.6	130.6	120	23758	25864	20930	70553	0.866	0.782	0.684	1	1.6	1.2	9.7	14	12.1
29-Dec-24	3:24:20 PM	49.99	254.9	253.1	254.8	106.9	131	121.3	23595	25998	21400	70992	0.864	0.783	0.692	1.1	1.6	1.2	10	14.1	12.2
29-Dec-24	3:24:25 PM	49.99	254.9	253.1	254.9	107	132.6	120.3	23581	26612	21056	71249	0.864	0.792	0.686	1.1	1.6	1.2	10.1	14.5	12.5
29-Dec-24	3:24:30 PM	50	254.9	253.1	254.8	107.2	130.8	120.2	23666	25913	21258	70836	0.866	0.782	0.693	1	1.5	1.2	9.4	14.1	12.4
29-Dec-24	3:24:35 PM	50	254.9	253.1	254.8	106.7	130.6	121.7	23529	25803	21529	70861	0.865	0.78	0.693	1	1.5	1.3	9.5	13.9	12.3
29-Dec-24	3:24:40 PM	50	254.9	253.2	254.9	107.2	130.6	120.9	23672	25812	21215	70698	0.866	0.78	0.688	1	1.5	1.2	9.4	13.9	12.5
29-Dec-24	3:24:45 PM	50	254.9	253.3	254.8	106.6	124.4	120.6	23469	23687	21070	68227	0.863	0.751	0.685	1.1	1.6	1.2	9.7	15.1	12.6
29-Dec-24	3:24:50 PM	50	254.9	253.2	254.8	107	123.4	122	23517	23335	21581	68432	0.861	0.746	0.693	1.1	1.6	1.2	9.7	15.1	12.3
29-Dec-24	3:24:55 PM	50	255	253.3	254.8	102	123.4	120.8	21973	23326	21155	66454	0.844	0.745	0.686	1.1	1.6	1.3	10.4	15.1	12.5
29-Dec-24	3:25:00 PM	50	255	253.2	254.8	101.5	123.4	120.9	21718	23296	21183	66198	0.839	0.745	0.687	1.1	1.6	1.2	11	15.4	12.6
29-Dec-24	3:25:05 PM	50	255	253.3	254.8	101.1	123.5	121.8	21591	23341	21504	66435	0.837	0.745	0.692	1.1	1.6	1.2	11.1	15.2	12.5
29-Dec-24	3:25:10 PM	50.01	255	253.4	254.8	101.3	123.6	120.6	21675	23390	21041	66107	0.838	0.746	0.684	1.1	1.6	1.3	10.5	15.4	12.8
29-Dec-24	3:25:15 PM	50.01	255	253.4	254.8	101.4	123.4	120.9	21704	23334	21270	66307	0.839	0.746	0.69	1	1.6	1.2	10.2	15.3	12.6
29-Dec-24	3:25:20 PM	50.01	254.9	253.3	254.7	101.1	123.5	121.8	21629	23332	21845	66806	0.838	0.745	0.704	1	1.6	1.2	10.1	15	12.3
29-Dec-24	3:25:25 PM	50.01	254.9	253.3	254.7	101.5	123.8	122.6	21756	23497	22168	67420	0.84	0.749	0.709	1	1.6	1.2	10	14.9	12.1
29-Dec-24	3:25:30 PM	50	254.9	253.2	254.7	101.1	124.2	122.3	21622	23707	22042	67371	0.839	0.753	0.707	1	1.6	1.2	10.1	15.2	12.2
29-Dec-24	3:25:35 PM	50	255	253.2	254.7	101.6	123.8	123.3	21786	23523	22395	67704	0.84	0.75	0.712	1	1.6	1.2	10.1	15	12.1
29-Dec-24	3:25:40 PM	50	254.9	253.1	254.6	101.2	126.5	121	21625	24457	21564	67646	0.838	0.763	0.699	1.1	1.6	1.3	10.7	14.7	12.4
29-Dec-24	3:25:45 PM	49.99	254.8	253	254.6	101.5	126.2	120.1	21716	24343	21248	67306	0.838	0.762	0.694	1.1	1.6	1.3	10.8	14.9	12.8
29-Dec-24	3:25:50 PM	49.99	254.9	253	254.6	103.3	126.2	121.4	22280	24378	21724	68382	0.845	0.762	0.702	1.1	1.6	1.2	10.5	14.9	12.5
29-Dec-24	3:25:55 PM	49.99	254.9	253	254.6	101.4	126.6	120.6	21692	24571	21446	67709	0.838	0.766	0.698	1.1	1.6	1.3	10.4	14.7	12.9
29-Dec-24	3:26:00 PM	49.99	254.9	253.1	254.6	97.3	126.5	120.1	20447	24537	21236	66220	0.823	0.766	0.694	1	1.6	1.3	10.7	14.7	12.8
29-Dec-24	3:26:05 PM	49.99	254.9	253.1	254.6	97.4	126.5	121.4	20508	24529	21712	66749	0.825	0.765	0.702	1.1	1.6	1.3	10.9	14.7	12.6
29-Dec-24	3:26:10 PM	49.98	254.9	253.2	254.6	97.2	126.5	120.3	20501	24548	21321	66370	0.827	0.766	0.696	1.1	1.6	1.3	11.1	14.9	12.9
29-Dec-24	3:26:15 PM	49.99	254.9	253.2	254.7	97	126.4	120.2	20435	24558	21303	66296	0.826	0.766	0.695	1.1	1.6	1.3	11.5	14.8	12.6
29-Dec-24	3:26:20 PM	49.99	254.8	253.1	254.5	96.9	126.5	124.7	20454	24562	22900	67916	0.828	0.766	0.72	1.1	1.6	1.2	11	14.4	11.8
29-Dec-24	3:26:25 PM	49.99	254.9	253.2	254.4	97.6	126.5	126.2	20711	24563	23547	68821	0.832	0.766	0.732	1.1	1.6	1.3	11.3	14.7	11.9
29-Dec-24	3:26:30 PM	49.99	254.9	253.2	254.5	97.4	126.8	126.2	20674	24623	23536	68834	0.831	0.766	0.732	1.1	1.6	1.2	10.8	14.6	11.8
29-Dec-24	3:26:35 PM	49.99	255	253.3	254.6	98.6	126.9	127.5	21028	24657	23969	69654	0.836	0.766	0.737	1.1	1.6	1.2	11	14.7	11.6
29-Dec-24	3:26:40 PM	50	254.9	253.3	254.6	101.7	126.8	126.1	21952	24649	23470	70071	0.846	0.766	0.73	1.1	1.6	1.3	10.8	14.9	12
29-Dec-24	3:26:45 PM	50.01	254.9	253.3	254.6	102.2	126.8	126.5	22084	24604	23610	70298	0.847	0.765	0.732	1.1	1.6	1.3	10.7	14.9	12
29-Dec-24	3:26:50 PM	50.01	255	253.3	254.6	102.5	127	127.8	22315	24651	24062	71028	0.853	0.766	0.738	1	1.5	1.2	10.7	14.8	11.8
29-Dec-24	3:26:55 PM	50.01	255	253.3	254.7	101.8	126.9	126.7	22184	25105	23702	70992	0.853	0.78	0.734	1	1.5	1.2	9.8	14.4	11.8

Date:	Time:	Freq	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	3:27:00 PM	50.01	254.9	253.3	254.7	101.3	126.7	126.3	22016	25069	23534	70619	0.852	0.78	0.731	1	1.5	1.2	9.9	14.4	11.8
29-Dec-24	3:27:05 PM	50.01	254.9	253.2	254.7	101.8	126.7	127.8	22192	25070	24045	71307	0.854	0.781	0.738	1	1.5	1.2	9.8	14.4	11.8
29-Dec-24	3:27:10 PM	50.01	254.9	253.2	254.7	102.3	127	126.3	22331	25164	23552	71047	0.855	0.782	0.731	1	1.5	1.2	9.6	14.5	11.9
29-Dec-24	3:27:15 PM	50.01	254.9	253.2	254.8	102.5	131.2	123.9	22361	26584	22735	71680	0.855	0.799	0.719	1	1.5	1.2	9.4	13.8	12.2
29-Dec-24	3:27:20 PM	50.01	254.9	253.2	254.9	101.9	133.3	121.1	22176	27285	21781	71242	0.853	0.808	0.705	1	1.5	1.2	10	13.7	12.5
29-Dec-24	3:27:25 PM	50.01	255	253.3	254.9	100.8	134.9	119.8	21803	27762	21317	70882	0.847	0.812	0.697	1	1.6	1.2	10.2	13.5	12.5
29-Dec-24	3:27:30 PM	50.02	255	253.2	254.9	101.4	136.6	122.3	21949	28243	22238	72430	0.849	0.816	0.713	1	1.6	1.2	10.3	13.4	12.3
29-Dec-24	3:27:35 PM	50.01	255	253.2	254.9	101.1	135.8	123.4	21811	27946	22590	72348	0.846	0.812	0.718	1	1.6	1.3	10.4	13.4	12.4
29-Dec-24	3:27:40 PM	50.01	255.1	253.2	254.9	100.3	134.6	123	21526	27559	22445	71530	0.84	0.808	0.715	1	1.5	1.3	10	13.5	12.2
29-Dec-24	3:27:45 PM	50.01	255.1	253.3	254.9	100.3	135.7	124.5	21518	27852	22988	72358	0.84	0.81	0.723	1	1.5	1.2	10	13.3	11.9
29-Dec-24	3:27:50 PM	50.01	255.1	253.3	254.9	100.7	133.7	123.1	21627	27172	22410	71209	0.841	0.802	0.714	1.1	1.5	1.2	10.4	13.8	12.4
29-Dec-24	3:27:55 PM	50.01	255.2	253.2	254.8	100.2	133.8	120.8	21469	27390	21616	70476	0.839	0.808	0.701	1	1.6	1.3	10.3	13.7	12.6
29-Dec-24	3:28:00 PM	50	255.1	253.2	254.7	100.3	134.2	121.6	21474	27549	21912	70934	0.839	0.81	0.707	1	1.6	1.3	10.8	13.8	12.5
29-Dec-24	3:28:05 PM	50	255.1	253.1	254.8	105.3	133.3	121.2	22934	27313	21782	72029	0.853	0.809	0.705	1.1	1.5	1.2	10.3	13.6	12.2
29-Dec-24	3:28:10 PM	50	255.2	253.2	254.9	106.6	133	119.8	23314	27289	21307	71910	0.856	0.809	0.697	1.1	1.5	1.2	9.9	13.6	12.3
29-Dec-24	3:28:15 PM	50	255.2	253.3	254.9	106.3	130.2	121	23251	26416	21749	71415	0.857	0.8	0.705	1	1.5	1.2	9.5	13.6	11.8
29-Dec-24	3:28:20 PM	49.99	255.3	253.3	254.9	105.7	130	123.2	23130	26342	22535	72007	0.856	0.799	0.717	1	1.5	1.2	9.3	13.5	11.4
29-Dec-24	3:28:25 PM	49.99	255.2	253.3	254.9	105.2	132.9	120.4	22948	27267	21566	71781	0.854	0.809	0.702	1	1.5	1.2	8.7	13.1	11.6
29-Dec-24	3:28:30 PM	49.99	255.3	253.4	255	106.6	133.6	119.9	23350	27544	21334	72228	0.857	0.813	0.697	1.1	1.5	1.3	9.8	13.5	12.3
29-Dec-24	3:28:35 PM	50	255.3	253.4	255.1	108.8	133.2	121.3	23996	27403	21855	73253	0.863	0.811	0.706	1.1	1.5	1.3	9.9	13.6	12.1
29-Dec-24	3:28:40 PM	50.01	255.4	253.5	255.1	108.6	132.1	119.7	23933	27048	21287	72268	0.863	0.807	0.696	1.1	1.6	1.3	10	13.9	12.3
29-Dec-24	3:28:45 PM	50.01	255.3	253.4	255.1	110.7	132.2	119.7	24559	27132	21303	72994	0.868	0.809	0.697	1	1.5	1.2	9.2	13.7	12.3
29-Dec-24	3:28:50 PM	50	255.3	253.4	255.2	111.8	133	121.1	24916	27368	21814	74098	0.872	0.812	0.705	1	1.5	1.2	9.2	13.5	12.1
29-Dec-24	3:28:55 PM	50	255.3	253.4	255.1	112.3	132	119.8	25043	27063	21344	73450	0.873	0.808	0.698	1	1.5	1.2	8.9	13.5	12.2
29-Dec-24	3:29:00 PM	50	255.3	253.4	255.1	114	137.1	124.2	25582	28610	22945	77138	0.878	0.823	0.724	1	1.6	1.2	9	13.3	11.7
29-Dec-24	3:29:05 PM	50	255.3	253.4	255.1	112.7	138.4	125.3	25219	29011	23552	77782	0.876	0.827	0.736	1	1.5	1.2	9	13	11.7
29-Dec-24	3:29:10 PM	50	255.3	253.4	255	111.6	137	125.6	24904	28566	23632	77102	0.874	0.822	0.737	1	1.5	1.2	9.1	13.1	11.7
29-Dec-24	3:29:15 PM	50	255.3	253.4	255	112.1	137.7	126.7	25056	28782	24012	77850	0.875	0.824	0.742	1	1.5	1.3	9	13.2	11.7
29-Dec-24	3:29:20 PM	50	255.3	253.3	255.1	111.6	141.2	127.2	24946	29914	24167	79027	0.874	0.835	0.744	1	1.5	1.2	9	12.7	11.5
29-Dec-24	3:29:25 PM	50	255.2	253.4	255	113	142.2	125.5	25386	30223	23589	79198	0.879	0.838	0.736	1	1.5	1.2	8.9	12.6	11.8
29-Dec-24	3:29:30 PM	50	255.2	253.3	255.1	117.6	144.7	124.2	26595	30987	23197	80779	0.886	0.844	0.731	1.1	1.5	1.2	8.5	12.3	11.8
29-Dec-24	3:29:35 PM	50	255.1	253.3	255.2	117.2	144.1	125.5	26577	30826	23657	81061	0.888	0.844	0.738	1	1.5	1.2	8.3	12	11.7
29-Dec-24	3:29:40 PM	50	255.1	253.4	255	117.9	141.2	124.1	26815	29958	23162	79934	0.891	0.836	0.731	1	1.5	1.2	8.4	12.4	11.6
29-Dec-24	3:29:45 PM	50	255.1	253.4	255.2	116.5	142.4	122.9	26407	30302	22836	79545	0.887	0.839	0.727	1	1.5	1.2	8.8	12.6	11.9
29-Dec-24	3:29:50 PM	50	255.2	253.5	255.2	112.6	137	120.8	25293	28634	22132	76058	0.88	0.824	0.717	1	1.5	1.2	9.1	13	12.2
29-Dec-24	3:29:55 PM	50	255.2	253.7	255.2	114.6	135.4	119.7	25857	28141	21535	75534	0.883	0.818	0.705	1	1.5	1.2	9	13.1	12.2
29-Dec-24	3:30:00 PM	50	255.1	253.5	255.2	116.5	138.9	119.5	26449	29213	21524	77186	0.889	0.829	0.705	0.9	1.4	1.1	7.8	12.2	11.5
29-Dec-24	3:30:05 PM	50	255.1	253.5	255.2	117.9	138.6	120.8	26839	29134	21983	77956	0.891	0.828	0.712	1	1.4	1.2	7.8	12.1	11.5
29-Dec-24	3:30:10 PM	50	255	253.6	255.1	116.5	136.2	119.5	26428	28372	21513	76314	0.889	0.821	0.705	1	1.5	1.2	8	12.7	11.6
29-Dec-24	3:30:15 PM	50	255.1	253.6	255.2	116.8	138.8	119.6	26470	29184	21533	77187	0.888	0.829	0.705	1	1.6	1.2	8.6	12.9	12.2
29-Dec-24	3:30:20 PM	49.99	255.1	253.5	255.2	116.8	138.6	121	26367	29083	22038	77488	0.884	0.827	0.713	1.1	1.6	1.2	9	13	12.4
29-Dec-24	3:30:25 PM	49.99	255.2	253.6	255.2	115.9	136.2	119.5	25979	28363	21516	75857	0.877	0.82	0.705	1.1	1.5	1.2	9	13.3	12.5

Date:	Time:	Freq	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	3:30:30 PM	49.99	255.2	253.6	255.3	116.1	137	119.5	26039	28551	21704	76294	0.878	0.821	0.71	1.1	1.5	1.3	9.3	13.4	12.5
29-Dec-24	3:30:35 PM	49.99	255.2	253.6	255.3	116.2	134.8	120.8	26088	27767	21969	75824	0.879	0.812	0.712	1	1.5	1.2	8.9	13.4	12.2
29-Dec-24	3:30:40 PM	49.99	255.2	253.7	255.2	115.7	132	119.7	25954	26931	21762	74648	0.878	0.803	0.712	1	1.5	1.2	8.6	13.8	12.2
29-Dec-24	3:30:45 PM	49.98	255.2	253.6	255.3	116.2	132.6	119.7	26098	27146	21580	74823	0.879	0.806	0.705	1.1	1.5	1.2	8.6	13.6	12.1
29-Dec-24	3:30:50 PM	49.98	255.2	253.5	255.2	115.8	133.2	121.8	25989	27309	22292	75590	0.878	0.808	0.716	1.1	1.5	1.3	9	13.6	12.3
29-Dec-24	3:30:55 PM	49.98	255.1	253.4	254.9	116.5	131.4	121.8	26170	26735	22289	75195	0.88	0.802	0.717	1.1	1.5	1.2	8.9	13.7	12.1
29-Dec-24	3:31:00 PM	49.98	255.2	253.5	255.3	116.6	134.1	121	26199	27616	22002	75816	0.88	0.811	0.712	1	1.6	1.2	8.5	13.5	12
29-Dec-24	3:31:05 PM	49.98	255.2	253.5	255.3	116.1	132.2	121.5	26074	26959	22168	75201	0.879	0.804	0.714	1.1	1.5	1.3	9	13.9	12.5
29-Dec-24	3:31:10 PM	49.98	255.2	253.6	255.2	118	132.4	121.4	26627	27077	22140	75843	0.883	0.806	0.714	1	1.6	1.3	8.6	13.7	12.4
29-Dec-24	3:31:15 PM	49.98	255.2	253.6	255.3	120.7	135.5	123.4	27392	28052	22857	78301	0.888	0.816	0.725	1.1	1.5	1.3	8.6	13.5	12.2
29-Dec-24	3:31:20 PM	49.98	255.4	253.3	255.3	119.9	136.1	124.6	27194	28192	23257	78643	0.887	0.816	0.731	1.1	1.5	1.2	8.8	13.3	12.1
29-Dec-24	3:31:25 PM	49.98	255.5	253.3	255.4	121.8	135.2	123.4	27760	27916	22845	78521	0.891	0.814	0.724	1	1.6	1.2	7.9	13.3	11.8
29-Dec-24	3:31:30 PM	49.99	255.5	253.2	255.4	119.3	136.5	122	27030	28327	22359	77716	0.887	0.818	0.717	1.1	1.5	1.2	8.2	13.2	12
29-Dec-24	3:31:35 PM	49.99	255.6	253.3	255.4	119.7	135.9	124.9	27182	28123	23369	78674	0.888	0.816	0.732	1	1.6	1.3	8	13.3	11.9
29-Dec-24	3:31:40 PM	49.99	255.5	253.3	255.4	118.2	134.4	123.7	26732	27682	22953	77367	0.884	0.812	0.726	1	1.5	1.3	8.3	13.3	12
29-Dec-24	3:31:45 PM	49.99	255.6	253.3	255.5	114.5	131.9	120.5	25655	26895	21813	74363	0.876	0.804	0.707	1.1	1.5	1.2	8.9	13.8	12.5
29-Dec-24	3:31:50 PM	49.99	255.6	253.3	255.5	115.1	131.1	121	25821	26717	22013	74550	0.877	0.804	0.711	1.1	1.5	1.2	9	14.5	12.2
29-Dec-24	3:31:55 PM	49.99	255.6	253.4	255.5	117	131	119.9	26357	26683	21582	74621	0.881	0.803	0.703	1.1	1.6	1.3	9.3	14.8	12.7
29-Dec-24	3:32:00 PM	49.99	255.7	253.4	255.6	115	131.5	119.6	25797	26838	21473	74109	0.876	0.804	0.702	1.1	1.6	1.3	9.1	14.4	12.8
29-Dec-24	3:32:05 PM	50	255.8	253.5	255.6	114.7	128.5	119.9	25738	25837	21557	73132	0.877	0.792	0.703	1.1	1.6	1.3	8.9	14.4	12.8
29-Dec-24	3:32:10 PM	50.01	255.8	253.3	255.6	113.6	128.5	120.1	25560	25794	21626	72980	0.879	0.792	0.703	1.1	1.6	1.3	9.2	14.5	12.9
29-Dec-24	3:32:15 PM	50.01	255.9	253.2	255.6	112.1	130	119.8	25095	26255	21507	72857	0.874	0.797	0.702	1.1	1.6	1.3	9.7	14.3	13
29-Dec-24	3:32:20 PM	50	255.9	253.3	255.4	110.8	128.5	119.8	24710	25771	21510	71991	0.871	0.791	0.703	1.1	1.6	1.3	9.7	14.4	12.7
29-Dec-24	3:32:25 PM	50	255.9	253.2	255.3	110.2	129.3	120.6	24583	26024	21808	72415	0.871	0.794	0.708	1	1.6	1.3	9.6	14.1	12.3
29-Dec-24	3:32:30 PM	49.99	255.8	253.1	255.2	108.8	130.3	119.7	24176	26379	21513	72068	0.868	0.799	0.703	1	1.5	1.3	9.3	13.8	12.3
29-Dec-24	3:32:35 PM	49.98	255.8	253.2	255.2	106.3	129.4	119.7	23435	26074	21543	71052	0.861	0.795	0.704	1	1.6	1.3	9.6	14.1	12.2
29-Dec-24	3:32:40 PM	49.98	255.8	253.2	255.2	105.1	128.7	120.5	23071	25816	21824	70711	0.857	0.791	0.709	1	1.5	1.3	10.1	13.9	12.1
29-Dec-24	3:32:45 PM	49.97	255.8	253.1	255.3	106.4	130	119.6	23424	26263	21463	71150	0.86	0.797	0.703	1.1	1.6	1.3	10.3	13.9	12.6
29-Dec-24	3:32:50 PM	49.97	255.8	253.1	255.3	107.3	128.6	120	23686	25786	21605	71077	0.862	0.792	0.704	1.1	1.6	1.3	10.3	14.3	12.8
29-Dec-24	3:32:55 PM	49.97	255.8	253	255.2	105.5	129	122.4	23054	25886	22459	71398	0.854	0.792	0.718	1.1	1.6	1.3	10.4	14.3	12.7
29-Dec-24	3:33:00 PM	49.96	255.7	253	255.2	104.7	130.3	120.6	22804	26330	21852	70986	0.851	0.798	0.709	1	1.5	1.2	9.8	13.9	12.5
29-Dec-24	3:33:05 PM	49.95	255.7	253	255.1	104.5	133.6	120	22722	27513	21663	71899	0.849	0.813	0.707	1	1.5	1.3	10	13.7	12.5
29-Dec-24	3:33:10 PM	49.94	255.7	252.8	255.1	105.4	139.1	120.8	23004	29439	21971	74414	0.853	0.836	0.713	1	1.5	1.3	9.7	13	12
29-Dec-24	3:33:15 PM	49.94	255.7	252.8	255.1	104.9	140.2	119.5	22825	29782	21513	74120	0.85	0.839	0.705	1.1	1.5	1.2	9.7	12.9	12.1
29-Dec-24	3:33:20 PM	49.94	255.7	252.8	255.1	104.3	138.7	120.3	22670	29304	21810	73784	0.849	0.835	0.71	1	1.5	1.3	9.7	13.1	12.2
29-Dec-24	3:33:25 PM	49.94	255.7	252.8	255.1	103.4	138.6	121	22357	29265	22057	73680	0.845	0.835	0.714	1.1	1.5	1.3	9.8	13	12
29-Dec-24	3:33:30 PM	49.94	255.7	252.7	255.2	101.4	139.8	119.4	21724	29594	21506	72824	0.837	0.837	0.705	1.1	1.5	1.3	10.8	13	12.6
29-Dec-24	3:33:35 PM	49.94	255.8	252.9	255.2	103.4	134.4	120	22318	27932	21863	72112	0.843	0.821	0.713	1.1	1.5	1.3	11	13.8	12.6
29-Dec-24	3:33:40 PM	49.94	255.8	252.9	255.2	103.3	134.4	120.3	22303	27931	22056	72291	0.843	0.821	0.717	1.1	1.5	1.3	11	13.7	12.3
29-Dec-24	3:33:45 PM	49.94	255.7	252.8	255.3	101.4	137.2	119.6	21707	28787	21801	72295	0.836	0.83	0.713	1.1	1.5	1.3	10.8	13.4	12.4
29-Dec-24	3:33:50 PM	49.94	255.8	252.9	255.3	99.7	134.6	120.5	21203	28003	22128	71334	0.831	0.822	0.719	1.1	1.5	1.3	10.5	13.5	12.2
29-Dec-24	3:33:55 PM	49.94	255.8	252.9	255.2	98.4	134.4	120.4	20816	27906	22110	70832	0.827	0.821	0.718	1.1	1.4	1.3	10.6	13.5	12.3

Date:	Time:	Freq	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	3:34:00 PM	49.94	255.8	252.9	255.4	99.2	136.8	119.6	21058	28693	21841	71592	0.829	0.828	0.714	1.1	1.4	1.2	10.8	13.2	12.3
29-Dec-24	3:34:05 PM	49.95	255.9	252.9	255.4	99.2	134.5	120.6	21055	27945	22164	71164	0.829	0.821	0.719	1.1	1.4	1.3	10.9	13.4	12.3
29-Dec-24	3:34:10 PM	49.94	255.8	252.9	255.3	95	134.1	120.7	19748	27811	22219	69778	0.812	0.819	0.72	1.1	1.4	1.3	11.8	13.6	12.3
29-Dec-24	3:34:15 PM	49.94	255.8	252.8	255.4	94.6	136.4	119	19602	28527	21658	69787	0.809	0.826	0.712	1.1	1.4	1.3	12.1	13.2	12.2
29-Dec-24	3:34:20 PM	49.94	255.8	252.8	255.2	94.7	133.9	119.1	19663	27775	21688	69126	0.811	0.82	0.713	1	1.4	1.2	11	13	11.4
29-Dec-24	3:34:25 PM	49.94	255.7	252.8	255.1	94.6	134.1	120.2	19688	27526	22172	69386	0.813	0.811	0.722	1	1.4	1.2	10	12.9	11.5
29-Dec-24	3:34:30 PM	49.93	255.7	252.9	255.2	94.5	136.9	119.1	19612	28374	21825	69811	0.81	0.819	0.717	1	1.4	1.2	10.9	12.6	11.6
29-Dec-24	3:34:35 PM	49.93	255.7	252.9	255.2	95.2	138.1	119.2	19764	28718	21840	70322	0.811	0.822	0.717	1.1	1.4	1.3	11.8	12.9	12.2
29-Dec-24	3:34:40 PM	49.93	255.8	253	255.3	94.6	137.6	120.3	19633	28558	22249	70440	0.81	0.819	0.723	1.1	1.4	1.3	11.5	13	12
29-Dec-24	3:34:45 PM	49.93	255.7	252.9	255.3	95.8	137.6	119.3	19986	28542	21898	70425	0.815	0.819	0.718	1	1.5	1.2	10.9	13	11.9
29-Dec-24	3:34:50 PM	49.92	255.7	252.9	255.3	95.6	137.1	119.4	20122	28399	21927	70447	0.822	0.819	0.719	1.1	1.5	1.3	11.6	13.2	12.2
29-Dec-24	3:34:55 PM	49.93	255.7	252.9	255.1	94.7	135.5	120.7	19956	27864	22752	70572	0.823	0.812	0.738	1.1	1.5	1.3	11.3	13.2	11.9
29-Dec-24	3:35:00 PM	49.92	255.7	252.9	255.1	95.6	134	122.2	20297	27311	23283	70891	0.83	0.805	0.747	1.1	1.5	1.3	11.2	13.6	12.7
29-Dec-24	3:35:05 PM	49.92	255.6	252.8	255	95.2	134.3	122.2	20170	27430	23311	70911	0.828	0.807	0.747	1	1.5	1.3	10.9	13.5	12.6
29-Dec-24	3:35:10 PM	49.92	255.6	252.8	255	95.3	134.2	123.8	20215	27335	23853	71403	0.829	0.805	0.754	1.1	1.5	1.3	11.3	13.5	12.4
29-Dec-24	3:35:15 PM	49.92	255.7	253	255.2	95.4	134.3	122.3	20245	27429	23346	71021	0.829	0.807	0.747	1	1.4	1.3	10.8	13.5	12.5
29-Dec-24	3:35:20 PM	49.92	255.6	252.9	255.1	95.2	134.2	122.2	20161	27360	23297	70818	0.828	0.806	0.746	1.1	1.5	1.3	11.1	13.5	12.6
29-Dec-24	3:35:25 PM	49.92	255.5	252.9	255.1	95.8	133.8	120.9	20342	27241	22438	70022	0.829	0.805	0.727	1.1	1.5	1.2	11.3	13.5	11.9
29-Dec-24	3:35:30 PM	49.91	255.4	252.9	255.1	96	134.4	119.2	20367	27465	21837	69670	0.83	0.807	0.718	1.1	1.5	1.3	11.4	13.4	12
29-Dec-24	3:35:35 PM	49.91	255.4	252.8	255.1	96.5	135.8	119.1	20381	27889	21831	70101	0.826	0.811	0.718	1.1	1.5	1.2	11.3	13.3	12.1
29-Dec-24	3:35:40 PM	49.91	255.4	252.8	255.2	95.5	139.2	120.5	20045	28963	22351	71358	0.821	0.822	0.726	1.1	1.5	1.2	11.2	12.8	11.8
29-Dec-24	3:35:45 PM	49.91	255.4	252.9	255.2	96.6	138.5	119.2	20386	28724	21877	70987	0.825	0.82	0.718	1.1	1.5	1.2	11.2	13	12
29-Dec-24	3:35:50 PM	49.92	255.5	252.9	255.2	96.2	138.9	119	20101	28876	21783	70760	0.817	0.822	0.717	1.1	1.5	1.2	11.3	12.9	11.9
29-Dec-24	3:35:55 PM	49.93	255.6	252.8	255.2	94.8	138.6	120.3	19653	28726	22242	70621	0.81	0.819	0.723	1.1	1.5	1.2	12	13	12
29-Dec-24	3:36:00 PM	49.95	255.6	252.8	255.2	94.5	138.4	118.7	19524	28669	21680	69874	0.808	0.819	0.715	1.1	1.5	1.2	12.1	13	12.2
29-Dec-24	3:36:05 PM	49.95	255.5	252.7	255.1	94.4	139.8	118.6	19549	29117	21671	70338	0.809	0.824	0.716	1	1.4	1.2	10.9	12.5	11.4
29-Dec-24	3:36:10 PM	49.95	255.5	252.8	255.1	97.9	133.4	120.1	20646	26915	22174	69735	0.824	0.795	0.723	1	1.4	1.2	10.9	13	11.4
29-Dec-24	3:36:15 PM	49.95	255.6	253.1	255.3	102.5	120.5	119.2	22056	22719	21765	66539	0.842	0.744	0.715	1.1	1.4	1.2	10.8	14.8	11.9
29-Dec-24	3:36:20 PM	49.95	255.6	253.2	255.3	103	120.4	119.1	22225	22710	21748	66683	0.843	0.744	0.714	1.1	1.5	1.3	10.5	14.9	11.9
29-Dec-24	3:36:25 PM	49.95	255.7	253.1	255.3	101.9	120.6	120.6	21937	22866	22296	67099	0.841	0.748	0.724	1	1.4	1.1	9.6	13.9	10.8
29-Dec-24	3:36:30 PM	49.96	255.7	253.2	255.4	102.5	118.1	119.5	22084	21912	21860	65856	0.842	0.732	0.716	1.2	1.5	1.2	10.7	15.2	11.8
29-Dec-24	3:36:35 PM	49.96	255.7	253.3	255.3	102.3	116.3	119.2	22019	21226	21737	64982	0.841	0.72	0.713	1.2	1.5	1.3	11	15.7	12.1
29-Dec-24	3:36:40 PM	49.96	255.7	253.2	255.3	102.6	117	120.8	22126	21470	22319	65915	0.843	0.724	0.723	1.2	1.5	1.3	11.2	15.5	11.9
29-Dec-24	3:36:45 PM	49.96	255.7	253.2	255.3	102	118.2	119.5	21930	21953	21854	65737	0.84	0.733	0.716	1.1	1.4	1.3	10.7	15.1	11.8
29-Dec-24	3:36:50 PM	49.96	255.7	253.3	255.4	102.4	118.5	119.3	22047	22147	21764	65959	0.841	0.737	0.714	1.1	1.5	1.3	10.5	15.4	12.1
29-Dec-24	3:36:55 PM	49.97	255.6	253.3	255.3	102.1	118.3	120.7	21959	22040	22125	66124	0.841	0.735	0.717	1.1	1.5	1.2	10.5	15.4	11.9
29-Dec-24	3:37:00 PM	49.98	255.6	253.4	255.3	103.1	118.2	119.4	22255	22029	21666	65949	0.844	0.735	0.71	1.1	1.5	1.2	10.5	15.4	12
29-Dec-24	3:37:05 PM	49.98	255.6	253.3	255.4	102.4	119.4	119.2	22028	22415	21575	66018	0.841	0.74	0.708	1.2	1.6	1.3	10.9	15.7	12.4
29-Dec-24	3:37:10 PM	49.98	255.6	253.2	255.3	97.7	118.7	120.3	20651	22512	21977	65140	0.825	0.748	0.715	1.2	1.6	1.2	11.5	16	12.3
29-Dec-24	3:37:15 PM	49.98	255.6	253.2	255.4	100.8	121.8	119	21521	23559	21517	66596	0.834	0.764	0.707	1.2	1.6	1.3	11.5	16.3	12.7
29-Dec-24	3:37:20 PM	49.98	255.5	253.2	255.3	101.6	121.3	118.6	21785	23430	21563	66779	0.839	0.762	0.712	1.2	1.5	1.3	11	16	12.6
29-Dec-24	3:37:25 PM	49.98	255.5	253.1	255.2	103.9	121.2	122.9	22658	23391	23349	69397	0.852	0.762	0.744	1.1	1.5	1.2	10.4	15.9	12.7

Date:	Time:	Freq	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	3:37:30 PM	49.98	255.6	253.2	255.2	102.9	121.1	122.1	22356	23372	23018	68746	0.849	0.761	0.738	1.1	1.5	1.2	10.6	16	12.6
29-Dec-24	3:37:35 PM	49.98	255.6	253.2	255.2	102.7	121.2	121.9	22300	23372	22943	68614	0.849	0.761	0.737	1.1	1.5	1.3	10.8	16.1	12.9
29-Dec-24	3:37:40 PM	49.99	255.6	253.1	255.3	101.9	121.3	123.6	22063	23387	23499	68949	0.847	0.761	0.744	1.1	1.5	1.3	10.6	16	12.7
29-Dec-24	3:37:45 PM	49.99	255.6	253	255.1	103.8	121.2	122.2	22632	23368	23010	69010	0.852	0.761	0.737	1.3	1.6	1.3	10.7	16.4	13
29-Dec-24	3:37:50 PM	49.99	255.6	253.2	255.3	101.9	121.2	122.2	22053	23324	23047	68424	0.846	0.759	0.738	1.2	1.5	1.3	10.8	16	12.9
29-Dec-24	3:37:55 PM	49.99	255.6	253.1	255.2	101.2	121.4	123.7	21835	23325	23511	68671	0.843	0.758	0.744	1.2	1.5	1.4	11.6	16.4	13.1
29-Dec-24	3:38:00 PM	49.98	255.5	253.1	255.1	101.8	121.2	122.3	22004	23285	23041	68330	0.845	0.758	0.738	1.2	1.6	1.4	11.8	16.6	13.3
29-Dec-24	3:38:05 PM	49.98	255.5	253	255.1	104.9	123.3	124.1	22931	23962	23613	70507	0.855	0.767	0.745	1.2	1.5	1.3	11.2	16.1	12.7
29-Dec-24	3:38:10 PM	49.98	255.3	252.8	254.8	106.7	122.9	124.6	23302	23592	23419	70312	0.855	0.758	0.737	1.3	1.6	1.3	11.3	15.6	12.2
29-Dec-24	3:38:15 PM	49.98	255.4	252.9	255	106.6	122.1	123.1	23274	23198	22903	69374	0.855	0.751	0.729	1.3	1.7	1.4	11.4	16.2	13.2
29-Dec-24	3:38:20 PM	49.98	255.4	252.9	255.1	107.1	122.1	123.3	23409	23181	22950	69540	0.855	0.75	0.729	1.3	1.8	1.5	11.9	16.6	13.5
29-Dec-24	3:38:25 PM	49.99	255.2	252.8	254.9	107.1	122	126.7	23477	23147	24099	70723	0.858	0.75	0.745	1.4	1.8	1.4	11.6	16.4	12.7
29-Dec-24	3:38:30 PM	49.98	255.2	252.9	254.9	108.6	122	125.7	23904	23135	23756	70795	0.862	0.75	0.741	1.3	1.8	1.5	11.7	16.7	13
29-Dec-24	3:38:35 PM	49.99	255.2	252.9	255	107.4	121.9	125	23627	23093	23525	70245	0.861	0.748	0.737	1.4	1.8	1.4	11.7	16.6	13.1
29-Dec-24	3:38:40 PM	49.99	255.2	252.9	255	107.4	122.2	127	23659	23085	24204	70948	0.862	0.747	0.747	1.4	1.8	1.5	11.7	16.7	12.9
29-Dec-24	3:38:45 PM	49.98	255.2	252.9	254.9	104.1	122.2	125.7	22637	23068	23753	69457	0.851	0.745	0.741	1.4	1.9	1.5	12.5	17	13.3
29-Dec-24	3:38:50 PM	49.98	255.3	253	255	102.8	122.3	123.6	22238	23095	23062	68395	0.847	0.746	0.731	1.4	1.8	1.5	12.8	16.9	13.4
29-Dec-24	3:38:55 PM	49.99	255.4	253	255.1	104.1	122.2	125.2	22627	23056	23584	69267	0.851	0.745	0.738	1.4	1.9	1.6	12.6	17.1	13.6
29-Dec-24	3:39:00 PM	49.99	255.4	253	255	102.6	122.2	123.8	22223	23064	23100	68387	0.847	0.746	0.731	1.4	1.8	1.5	12.1	16.7	13.3
29-Dec-24	3:39:05 PM	49.99	255.4	253	255	102.2	118.9	123.3	22119	21838	22938	66895	0.846	0.725	0.729	1.4	1.8	1.5	11.8	17	13.3
29-Dec-24	3:39:10 PM	49.99	255.4	253	254.9	102.6	118.1	126.3	22277	21499	23951	67727	0.849	0.719	0.743	1.3	1.8	1.4	11.8	17.2	13
29-Dec-24	3:39:15 PM	50	255.4	253	254.9	99.6	118.1	129.5	21375	21474	25028	67877	0.84	0.718	0.758	1.3	1.8	1.5	12.1	17.3	12.6
29-Dec-24	3:39:20 PM	50	255.3	253.1	254.9	101.9	118.2	128.5	22057	21537	24710	68304	0.847	0.719	0.754	1.2	1.8	1.5	11.6	17.3	12.7
29-Dec-24	3:39:25 PM	49.99	255.2	252.9	254.8	104.8	121.5	132.8	22900	22745	26144	71790	0.855	0.739	0.772	1.2	1.8	1.4	11.2	16.7	12.1
29-Dec-24	3:39:30 PM	49.99	254.9	252.8	254.6	106	123.7	132.5	23198	23464	26081	72742	0.858	0.749	0.772	1.3	1.8	1.4	11.4	16.4	12
29-Dec-24	3:39:35 PM	49.98	254.4	253.2	255	106.7	133.1	133.3	23331	26560	26456	76347	0.859	0.787	0.777	1.3	1.8	1.5	11.3	15.2	12.2
29-Dec-24	3:39:40 PM	49.98	254.4	253.3	255	103	130.1	132.2	22213	25549	26059	73820	0.847	0.774	0.772	1.3	1.8	1.5	12.4	15.8	12.6
29-Dec-24	3:39:45 PM	49.97	254.3	253.2	255	102.6	129.4	129	22051	25357	24965	72373	0.845	0.773	0.758	1.4	1.8	1.5	12.9	16	13.2
29-Dec-24	3:39:50 PM	49.97	254.3	253.2	255	102	129.1	129	21907	25251	24955	72114	0.843	0.772	0.758	1.4	1.8	1.6	13.1	16.3	13.3
29-Dec-24	3:39:55 PM	49.98	254.4	253.3	255	102.4	129.1	130.8	22012	25257	25578	72847	0.844	0.772	0.766	1.4	1.8	1.6	12.8	16.1	13
29-Dec-24	3:40:00 PM	49.98	254.4	253.3	255	102.3	129	130.4	22064	25251	25679	72993	0.847	0.772	0.772	1.3	1.8	1.5	12.1	15.6	12.4
29-Dec-24	3:40:05 PM	49.98	254.4	253.2	254.9	103.3	128.4	131.4	22451	25019	25766	73235	0.853	0.769	0.768	1.4	1.8	1.5	12.3	16	12.7
29-Dec-24	3:40:10 PM	49.98	254.5	253.3	255	98.2	124.9	128.8	20914	23852	24881	69648	0.836	0.753	0.757	1.4	1.8	1.6	13.8	16.8	13.1
29-Dec-24	3:40:15 PM	49.99	254.4	253.3	255.1	102.2	124.3	122.7	22099	23697	22800	68597	0.849	0.752	0.728	1.3	1.8	1.5	12.5	16.6	13.4
29-Dec-24	3:40:20 PM	49.99	254.4	253.4	255.1	100.7	124.1	119.8	21659	23647	21798	67105	0.844	0.751	0.712	1.3	1.8	1.5	12	16.2	13.5
29-Dec-24	3:40:25 PM	49.99	254.4	253.3	255.1	97.6	123.5	121.1	20720	23457	22232	66409	0.834	0.749	0.719	1.3	1.8	1.5	12.4	16.4	13.4
29-Dec-24	3:40:30 PM	49.98	254.4	253.2	255	98.2	125	119.9	20963	24008	21822	66793	0.838	0.758	0.713	1.3	1.8	1.5	12.9	16.4	14
29-Dec-24	3:40:35 PM	49.98	254.4	253.2	255.1	98.4	125	120.8	21112	23996	22121	67229	0.842	0.758	0.717	1.4	1.8	1.5	13.6	16.8	14.1
29-Dec-24	3:40:40 PM	49.97	254.4	253.3	255	98.3	125	121.7	21059	24011	22466	67536	0.841	0.758	0.723	1.3	1.8	1.5	12.7	16.4	13.5
29-Dec-24	3:40:45 PM	49.97	254.3	253.3	255	97.7	124.8	119.8	20803	23977	21813	66593	0.836	0.758	0.713	1.2	1.7	1.5	11.4	15.6	12.9
29-Dec-24	3:40:50 PM	49.97	254.3	253.4	255.1	98.7	124.8	119.9	20899	23975	21840	66714	0.832	0.757	0.713	1.3	1.8	1.5	12.6	16.3	13.7
29-Dec-24	3:40:55 PM	49.96	254.3	253.3	254.9	98.4	124.8	122.4	20823	23962	22807	67592	0.831	0.757	0.73	1.3	1.8	1.5	12.9	16.3	13.4

Date:	Time:	Freq	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	3:41:00 PM	49.96	254.2	253.3	254.9	101	124.3	120.4	21561	23796	22234	67591	0.839	0.755	0.724	1.3	1.8	1.5	12.4	16.3	13.6
29-Dec-24	3:41:05 PM	49.96	254.2	253.2	255	101.3	124.3	120.2	21656	23776	22147	67579	0.84	0.755	0.722	1.3	1.8	1.5	12.1	16.3	13.7
29-Dec-24	3:41:10 PM	49.95	254.3	253.3	255	100.9	124.5	121.4	21545	23824	22606	67975	0.839	0.755	0.729	1.3	1.8	1.5	12.3	16.3	13.5
29-Dec-24	3:41:15 PM	49.96	254.3	253.3	255.1	102.2	124.3	119.9	21915	23776	22063	67754	0.843	0.755	0.721	1.3	1.8	1.5	12	16.4	13.8
29-Dec-24	3:41:20 PM	49.96	254.3	253.2	255	99.5	124.3	120	21125	23767	22118	67009	0.834	0.755	0.722	1.3	1.7	1.5	12.3	16.4	13.8
29-Dec-24	3:41:25 PM	49.96	254.4	253.2	255	99.2	124.4	121.1	20896	23765	22509	67171	0.827	0.754	0.728	1.3	1.7	1.5	12.4	16.4	13.6
29-Dec-24	3:41:30 PM	49.96	254.4	253.2	255.1	98.8	124.3	119.9	20744	23790	22074	66608	0.824	0.755	0.721	1.3	1.7	1.5	12.7	16.4	13.7
29-Dec-24	3:41:35 PM	49.96	254.5	253.2	255.2	99.1	126.8	120.3	20812	24582	22246	67640	0.825	0.765	0.724	1.3	1.7	1.5	12.5	16	13.9
29-Dec-24	3:41:40 PM	49.97	254.5	253.2	255.1	98.5	127	122.1	20657	24604	22844	68105	0.824	0.764	0.733	1.2	1.7	1.5	12.3	16	13.5
29-Dec-24	3:41:45 PM	49.97	254.5	253.2	255.2	97.7	126.8	120.5	20412	24587	22271	67270	0.82	0.765	0.724	1.3	1.7	1.5	12.2	15.9	13.8
29-Dec-24	3:41:50 PM	49.98	254.5	253.2	255.2	97.6	129.1	119.9	20295	25249	22080	67624	0.816	0.772	0.721	1.3	1.8	1.5	12.9	16	14
29-Dec-24	3:41:55 PM	49.98	254.5	253.2	255.1	99.2	130.4	121.1	20730	25630	22519	68879	0.82	0.776	0.728	1.3	1.7	1.5	12.5	15.7	13.6
29-Dec-24	3:42:00 PM	49.98	254.5	253.2	255.2	98.6	130.3	119.8	20548	25618	22048	68214	0.818	0.776	0.721	1.3	1.7	1.5	12.3	15.6	13.5
29-Dec-24	3:42:05 PM	49.99	254.5	253.3	255.1	100.1	130.2	122.9	21023	25617	23148	69788	0.824	0.776	0.737	1.2	1.7	1.5	12	15.4	12.7
29-Dec-24	3:42:10 PM	49.99	254.6	253.3	255.1	98.5	130.4	124.1	20568	25608	23560	69737	0.819	0.775	0.743	1.2	1.7	1.5	11.5	15.1	12.5
29-Dec-24	3:42:15 PM	49.99	254.6	253.4	255.2	97.9	129.8	123	20351	25387	23114	68852	0.815	0.771	0.736	1.3	1.7	1.5	12.4	15.6	13.5
29-Dec-24	3:42:20 PM	49.99	254.6	253.5	255.1	97.9	126.4	123.1	20339	23946	23129	67415	0.815	0.747	0.736	1.3	1.7	1.5	12.7	16.1	13.8
29-Dec-24	3:42:25 PM	49.99	254.5	253.6	255.1	100.4	126.6	123.6	21114	24004	23319	68437	0.825	0.747	0.739	1.4	1.7	1.5	12.7	16.2	13.6
29-Dec-24	3:42:30 PM	50	254.5	253.7	255.2	104.2	126.3	120.6	22266	23990	22294	68549	0.839	0.748	0.723	1.3	1.8	1.5	11.6	16	13.8
29-Dec-24	3:42:35 PM	50	254.5	253.7	255.3	104.1	126.3	120.1	22248	23994	22091	68333	0.838	0.748	0.72	1.3	1.7	1.5	11.4	16	14.2
29-Dec-24	3:42:40 PM	50	254.6	253.7	255.3	102.1	126.6	122.2	21637	24031	22833	68501	0.832	0.748	0.731	1.4	1.8	1.5	11.9	16.2	14
29-Dec-24	3:42:45 PM	50	254.5	253.8	255.3	102.5	126.4	120.3	21904	23997	22141	68042	0.839	0.748	0.72	1.3	1.8	1.5	12	16.4	14.2
29-Dec-24	3:42:50 PM	50	254.4	253.7	255.3	102.4	126.3	120	21872	23973	22052	67897	0.839	0.747	0.719	1.3	1.8	1.5	11.8	16.2	14.3
29-Dec-24	3:42:55 PM	50	254.5	253.7	255.2	100.7	126.6	121.2	21388	24020	22517	67925	0.834	0.747	0.727	1.2	1.8	1.4	11.7	16.1	13.8
29-Dec-24	3:43:00 PM	50	254.5	253.8	255.3	100.4	126.5	120.1	21260	23988	22123	67371	0.831	0.747	0.721	1.2	1.8	1.5	12.4	16.2	14
29-Dec-24	3:43:05 PM	49.99	254.5	253.7	255.2	102.2	126.3	120.3	21812	23927	22171	67910	0.837	0.746	0.721	1.3	1.8	1.5	12.3	16.2	14.1
29-Dec-24	3:43:10 PM	49.98	254.4	253.7	255.2	100.3	124.2	121.9	21238	23184	22697	67118	0.832	0.735	0.729	1.3	1.8	1.6	12.4	16.8	14.3
29-Dec-24	3:43:15 PM	49.98	254.4	253.7	255.1	101	124.2	125.1	21450	23216	23875	68541	0.834	0.736	0.747	1.3	1.8	1.5	12.7	16.9	13.5
29-Dec-24	3:43:20 PM	49.97	254.4	253.7	255.1	101.3	124	124.7	21595	23188	23776	68559	0.838	0.736	0.747	1.3	1.8	1.5	12.4	16.6	13.2
29-Dec-24	3:43:25 PM	49.97	254.4	253.6	255	102.1	124.1	126.1	21843	23207	24269	69319	0.84	0.737	0.754	1.3	1.7	1.5	11.9	16.4	13
29-Dec-24	3:43:30 PM	49.97	254.4	253.5	255	102	125.7	124.5	21777	23744	23724	69244	0.839	0.744	0.747	1.3	1.7	1.5	11.7	16.1	13.1
29-Dec-24	3:43:35 PM	49.98	254.3	253.5	255	101.7	124.4	124.4	21525	23306	23693	68524	0.832	0.738	0.746	1.3	1.7	1.5	12	16.4	13.2
29-Dec-24	3:43:40 PM	49.98	254.3	253.5	254.9	101.6	124	125.8	21525	23154	24168	68847	0.832	0.736	0.753	1.4	1.8	1.5	12.1	16.5	13
29-Dec-24	3:43:45 PM	49.98	254.3	253.4	254.9	101.8	123.9	124.3	21545	23153	23673	68371	0.832	0.737	0.746	1.3	1.8	1.5	12.2	16.5	13.2
29-Dec-24	3:43:50 PM	49.98	254.3	253.4	255	101.7	124	124.6	21523	23178	23744	68445	0.832	0.737	0.747	1.4	1.8	1.5	12.4	16.7	13.5
29-Dec-24	3:43:55 PM	49.98	254.3	253.3	254.9	101.7	127.4	125.8	21532	24415	24207	70153	0.832	0.756	0.754	1.3	1.8	1.5	11.8	15.7	12.8
29-Dec-24	3:44:00 PM	49.98	254.3	253.3	255	101.7	127.1	124.6	21542	24765	23700	70007	0.832	0.769	0.745	1.2	1.7	1.5	11.7	15.4	13.1
29-Dec-24	3:44:05 PM	49.98	254.3	253.3	255	102.2	124.9	124.6	21687	23967	23572	69226	0.834	0.757	0.741	1.2	1.7	1.5	11.8	15.9	13.1
29-Dec-24	3:44:10 PM	49.99	254.3	253.4	255.1	103.1	124.2	121	21942	23761	22271	67974	0.836	0.755	0.721	1.2	1.7	1.5	11.6	16.2	13.7
29-Dec-24	3:44:15 PM	49.99	254.4	253.4	255.1	101.8	124.1	119.9	21517	23752	21865	67134	0.831	0.754	0.714	1.3	1.8	1.5	12	16.3	14.1
29-Dec-24	3:44:20 PM	50	254.3	253.4	255.1	102.5	123.6	119.9	21733	23557	21875	67166	0.833	0.752	0.714	1.3	1.8	1.5	11.9	16.4	14.1
29-Dec-24	3:44:25 PM	50	254.4	253.3	255.1	101.8	124.4	121.4	21585	23838	22409	67831	0.833	0.755	0.723	1.2	1.7	1.5	11.8	16.1	13.7

Date:	Time:	Freq	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	3:44:30 PM	50	254.4	253.4	255.1	101	123.9	120.1	21321	23703	21916	66940	0.829	0.754	0.715	1.3	1.8	1.5	12.5	16.5	14.1
29-Dec-24	3:44:35 PM	50.01	254.4	253.4	255.1	101.4	123.6	119.9	21464	23639	21871	66975	0.831	0.754	0.715	1.2	1.7	1.5	11.5	16	13.6
29-Dec-24	3:44:40 PM	50.02	254.4	253.5	255.1	103.3	123.7	121.1	22059	23651	22320	68031	0.838	0.753	0.721	1.3	1.8	1.5	11.7	16.2	13.4
29-Dec-24	3:44:45 PM	50.02	254.3	253.4	255	102.6	123.7	122.5	21790	23633	22715	68138	0.835	0.753	0.727	1.3	1.8	1.5	11.9	16.5	13.7
29-Dec-24	3:44:50 PM	50.03	254.5	253.5	255.1	101.2	123.8	122.1	21402	23658	22575	67635	0.83	0.753	0.724	1.3	1.8	1.6	12.4	16.7	14.2
29-Dec-24	3:44:55 PM	50.03	254.5	253.5	255.1	99.1	125.9	123.5	20803	24335	23059	68196	0.823	0.761	0.731	1.3	1.8	1.6	12.5	16.3	14.1
29-Dec-24	3:45:00 PM	50.03	254.4	253.6	255.2	102.5	125.5	120.8	21783	23817	22119	67719	0.834	0.747	0.717	1.3	1.8	1.6	12.2	16.4	14.5
29-Dec-24	3:45:05 PM	50.02	254.4	253.7	255.2	100.7	124.4	120.2	21220	23317	21918	66455	0.828	0.739	0.714	1.3	1.8	1.6	12	16.5	14.3
29-Dec-24	3:45:10 PM	50.02	254.5	253.6	255.1	97.4	124.4	121.6	20247	23271	22408	65917	0.816	0.737	0.722	1.3	1.8	1.6	12.4	16.5	14.2
29-Dec-24	3:45:15 PM	50.01	254.5	253.6	255.1	97.4	124.1	120.3	20218	23258	21933	65409	0.815	0.738	0.714	1.2	1.8	1.5	12.2	16.3	14.1
29-Dec-24	3:45:20 PM	50	254.4	253.5	255.1	97.7	124.1	120.2	20301	23244	21916	65461	0.816	0.738	0.714	1.2	1.8	1.6	12.2	16.5	14.3
29-Dec-24	3:45:25 PM	50	254.5	253.4	255.1	97.5	125.8	121.8	20245	23892	22495	66622	0.815	0.748	0.723	1.2	1.7	1.6	12.3	16.3	14.2
29-Dec-24	3:45:30 PM	49.99	254.4	253.3	255.1	97.6	127.8	120	20420	24764	21907	67092	0.822	0.764	0.715	1.2	1.7	1.6	11.9	16	13.9
29-Dec-24	3:45:35 PM	49.99	254.3	253.2	255	101	131.4	123.4	21497	25933	23124	70554	0.836	0.779	0.734	1.2	1.7	1.5	11.4	15.5	13.4
29-Dec-24	3:45:40 PM	49.99	254.3	253.1	254.9	99.1	131.9	125.1	20918	26048	23686	70652	0.829	0.779	0.742	1.1	1.7	1.5	11.5	15.3	13.1
29-Dec-24	3:45:45 PM	49.99	254.3	253	254.9	98.5	131.6	124.1	20715	25982	23364	70061	0.827	0.779	0.738	1.2	1.7	1.4	11.5	15.2	13
29-Dec-24	3:45:50 PM	49.99	254.3	253	255	98.8	131.5	123.8	20814	25960	23243	70017	0.828	0.78	0.736	1.2	1.7	1.5	11.5	15.2	13
29-Dec-24	3:45:55 PM	49.99	254.3	253.1	254.9	98.1	131.6	124.9	20605	25939	23671	70215	0.825	0.778	0.742	1.2	1.7	1.5	11.7	15.3	12.9
29-Dec-24	3:46:00 PM	49.98	254.3	253	254.9	97.1	131.5	123.7	20340	25905	23241	69487	0.823	0.778	0.736	1.2	1.7	1.5	12	15.4	13.1
29-Dec-24	3:46:05 PM	49.98	254.3	253	255	98.9	131.5	123.5	20939	25907	23179	70026	0.832	0.778	0.735	1.3	1.7	1.5	11.9	15.5	13.3
29-Dec-24	3:46:10 PM	49.98	254.3	253.1	255	99.4	131.8	125.1	21054	25957	23706	70716	0.832	0.777	0.743	1.3	1.7	1.5	12.2	15.5	13.2
29-Dec-24	3:46:15 PM	49.98	254.3	253.1	255	99.3	131.4	123.6	20948	25897	23218	70062	0.829	0.778	0.736	1.2	1.7	1.5	12	15.2	13
29-Dec-24	3:46:20 PM	49.98	254.3	253	255	97.3	131.2	123.4	20362	25865	23174	69400	0.822	0.778	0.736	1.1	1.6	1.4	11.2	14.7	12.3
29-Dec-24	3:46:25 PM	49.98	254.3	253	254.9	94.6	130.9	124.5	19795	26035	23944	69773	0.822	0.785	0.754	1.2	1.7	1.4	12.3	14.8	12.4
29-Dec-24	3:46:30 PM	49.98	254.3	253.1	255	94.4	130.8	122.6	19768	26049	23291	69107	0.822	0.787	0.744	1.2	1.7	1.4	12.9	15.2	13.1
29-Dec-24	3:46:35 PM	49.98	254.2	253	255	94.4	130.7	122.6	19757	26040	23244	69041	0.822	0.787	0.743	1.3	1.8	1.5	13.1	15.4	13.4
29-Dec-24	3:46:40 PM	49.98	254.2	253	255	95.4	130.8	121.5	20067	26057	22863	68988	0.827	0.787	0.737	1.2	1.7	1.5	12.6	15.4	13.4
29-Dec-24	3:46:45 PM	49.98	254.3	253	255	94.4	130.7	119.7	19745	26042	22177	67965	0.822	0.787	0.726	1.3	1.7	1.5	12.9	15.5	13.7
29-Dec-24	3:46:50 PM	49.98	254.3	253.1	255.1	94.4	130.7	119.7	19740	26046	22172	67958	0.822	0.787	0.726	1.3	1.7	1.5	12.8	15.4	13.7
29-Dec-24	3:46:55 PM	49.99	254.3	253.1	255.1	94.1	130.5	120.5	19653	25945	22442	68040	0.821	0.784	0.73	1.3	1.7	1.5	12.7	15.4	13.5
29-Dec-24	3:47:00 PM	49.99	254.3	253.3	255.2	90.2	126.7	116	18302	24725	20836	63863	0.797	0.77	0.703	1.3	1.7	1.5	13.3	15.8	14.2
29-Dec-24	3:47:05 PM	50	254.3	253.2	255.1	91	126.8	116.2	18485	24757	20907	64149	0.798	0.77	0.704	1.3	1.7	1.5	13.2	15.8	14.3
29-Dec-24	3:47:10 PM	49.99	254.3	253.1	255	91.4	126.8	117.3	18642	24740	21301	64682	0.801	0.77	0.712	1.2	1.7	1.5	12.9	15.7	14
29-Dec-24	3:47:15 PM	49.99	254.3	253.1	255	91	126.4	116.1	18478	24640	20848	63966	0.798	0.769	0.703	1.3	1.7	1.5	13.5	16	14.6
29-Dec-24	3:47:20 PM	49.98	254.3	253.2	255	90.4	126.4	116.7	18317	24644	20915	63877	0.796	0.769	0.702	1.2	1.7	1.5	13.2	15.8	14.2
29-Dec-24	3:47:25 PM	49.98	254.4	253.2	255.1	91.8	127.3	118.5	18490	24557	21087	64134	0.791	0.761	0.696	1.2	1.7	1.5	12.7	15.8	14
29-Dec-24	3:47:30 PM	49.99	254.3	253.2	255.1	90.7	129.2	117.7	18098	25108	20730	63936	0.783	0.767	0.689	1.2	1.7	1.5	13.1	15.7	14.3
29-Dec-24	3:47:35 PM	49.98	254.3	253.1	255.1	90	129.3	115.1	17849	25139	19728	62716	0.779	0.768	0.671	1.2	1.7	1.5	13	15.6	14.7
29-Dec-24	3:47:40 PM	49.97	254.3	253	255	88.8	129.1	112.4	17469	25137	18740	61346	0.773	0.769	0.653	1.2	1.7	1.5	13	15.5	15
29-Dec-24	3:47:45 PM	49.97	254.2	253	255	88.8	127.9	112.4	17475	24808	18698	60980	0.773	0.766	0.652	1.2	1.7	1.5	13.3	15.7	15
29-Dec-24	3:47:50 PM	49.96	254.2	253.1	255	88.8	127.6	113.3	17478	24667	19065	61210	0.773	0.764	0.659	1.2	1.7	1.5	13.2	15.8	14.9
29-Dec-24	3:47:55 PM	49.96	254.2	253.1	254.8	88.9	127.7	119	17561	24672	21180	63413	0.776	0.763	0.697	1.3	1.7	1.5	13.3	15.8	14

Date:	Time:	Freq	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	3:48:00 PM	49.96	254.1	253.1	254.8	89.1	127.4	117.9	17682	24650	20859	63191	0.78	0.764	0.693	1.2	1.7	1.5	13.2	15.7	14.1
29-Dec-24	3:48:05 PM	49.96	254.1	253.1	254.8	89	127.4	117.4	17812	24663	20943	63418	0.786	0.764	0.7	1.2	1.7	1.5	11.9	15.1	13.3
29-Dec-24	3:48:10 PM	49.95	254.1	253.1	254.8	89.1	127.6	118.5	17780	24694	21040	63513	0.785	0.764	0.696	1.3	1.7	1.5	13.3	15.6	14.1
29-Dec-24	3:48:15 PM	49.95	254.1	253	254.7	89.1	127.6	118.9	17777	24670	21212	63659	0.784	0.763	0.699	1.3	1.7	1.6	13.9	15.9	14.4
29-Dec-24	3:48:20 PM	49.95	254.1	253	254.8	89.5	128.9	121.3	17940	25085	21993	65019	0.787	0.769	0.711	1.3	1.7	1.6	13.3	15.6	14.1
29-Dec-24	3:48:25 PM	49.95	254.2	253.1	255	89.7	129.3	115.6	17998	25224	19895	63118	0.788	0.77	0.675	1.3	1.7	1.6	12.8	15.4	14.6
29-Dec-24	3:48:30 PM	49.97	254.2	253.1	255	89.1	128.4	111.2	17766	25043	18123	60932	0.784	0.77	0.638	1.3	1.7	1.5	12.7	15.3	14.9
29-Dec-24	3:48:35 PM	49.97	254.2	253.2	254.9	88.8	123.8	114.8	17744	23484	19498	60726	0.785	0.748	0.666	1.2	1.7	1.5	12.3	15.6	14
29-Dec-24	3:48:40 PM	49.97	254.2	253.3	254.9	88.6	119.4	117	17719	21966	20237	59912	0.785	0.725	0.677	1.2	1.7	1.5	13.1	16.8	14.3
29-Dec-24	3:48:45 PM	49.98	254.2	253.3	254.9	88.7	118.1	116	17712	21532	19801	59045	0.785	0.718	0.669	1.3	1.7	1.6	13.4	17.3	14.7
29-Dec-24	3:48:50 PM	49.98	254.3	253.3	254.9	88.5	118	114.4	17554	21523	19166	58244	0.779	0.719	0.657	1.3	1.7	1.5	13.4	17.2	14.8
29-Dec-24	3:48:55 PM	49.98	254.4	253.3	254.8	88.6	118.5	117	17532	21606	20189	59326	0.777	0.719	0.676	1.2	1.7	1.6	12.9	17.3	14.8
29-Dec-24	3:49:00 PM	49.98	254.4	253.4	254.9	88.2	116	115	17453	20562	19499	57515	0.777	0.698	0.665	1.2	1.8	1.6	13.1	17.6	15.2
29-Dec-24	3:49:05 PM	49.98	254.3	253.4	254.9	88.2	115.4	114.3	17449	20291	19233	56973	0.777	0.693	0.659	1.3	1.8	1.6	13.9	17.9	15.8
29-Dec-24	3:49:10 PM	49.98	254.3	253.3	254.8	88.1	115.2	115.4	17433	20202	19694	57329	0.777	0.692	0.669	1.3	1.7	1.6	14.1	17.5	15
29-Dec-24	3:49:15 PM	49.97	254.2	253.3	254.8	90.5	115	114.1	18208	20185	19206	57598	0.79	0.692	0.66	1.3	1.8	1.5	13.5	17.5	15.1
29-Dec-24	3:49:20 PM	49.97	254.3	253.4	254.9	89	114.9	114.4	17731	20128	19379	57238	0.782	0.691	0.663	1.3	1.8	1.6	14.1	17.8	15.5
29-Dec-24	3:49:25 PM	49.97	254.2	253.3	254.9	88.2	114.4	114.6	18002	20797	20241	59030	0.802	0.717	0.692	1.3	1.7	1.6	14.1	17.4	15
29-Dec-24	3:49:30 PM	49.97	254.1	253.2	254.8	86.1	112.1	111.3	17861	20508	19701	58069	0.815	0.722	0.694	1.3	1.7	1.5	13.6	17.3	15
29-Dec-24	3:49:35 PM	49.97	254	253.2	254.7	86.1	112	111.8	17837	20436	19891	58164	0.815	0.72	0.698	1.3	1.7	1.5	14	17.5	15.2
29-Dec-24	3:49:40 PM	49.96	254	253.1	254.7	86	112	112.4	17827	20456	20082	58365	0.815	0.721	0.701	1.3	1.7	1.5	13.7	17.4	15.1
29-Dec-24	3:49:45 PM	49.96	254.1	253.2	254.8	86.8	113	112.4	17660	20274	19495	57429	0.799	0.708	0.68	1.3	1.7	1.6	13.7	17.4	15.3
29-Dec-24	3:49:50 PM	49.96	254.2	253.3	254.9	88	114.5	114.4	17431	20048	19384	56864	0.778	0.69	0.664	1.3	1.7	1.6	13.5	17.3	15
29-Dec-24	3:49:55 PM	49.96	254.3	253.4	254.9	88	114.6	115.1	17429	20068	19623	57120	0.778	0.69	0.668	1.3	1.7	1.6	13.6	17.3	15
29-Dec-24	3:50:00 PM	49.96	254.2	253.3	254.9	88	114.2	113.9	17785	20418	19729	57932	0.794	0.705	0.679	1.3	1.8	1.6	13.9	17.5	15.3
29-Dec-24	3:50:05 PM	49.96	254.1	253.2	254.8	86.2	111.8	111.5	17892	20423	19798	58113	0.816	0.72	0.696	1.3	1.7	1.6	13.6	17.5	15.2
29-Dec-24	3:50:10 PM	49.95	254.1	253.1	254.7	86.6	111.9	112.2	18029	20422	20009	58460	0.818	0.72	0.699	1.3	1.7	1.6	13.5	17.5	15.2
29-Dec-24	3:50:15 PM	49.94	254	253	254.7	85.8	111.8	111.4	17759	20395	19791	57945	0.814	0.721	0.697	1.3	1.7	1.6	14	17.5	15.3
29-Dec-24	3:50:20 PM	49.94	254.1	253.1	254.8	87.2	113.6	113	17463	20131	19258	56852	0.788	0.7	0.669	1.3	1.7	1.6	13.8	17.3	15.2
29-Dec-24	3:50:25 PM	49.94	254.2	253.2	254.8	89.8	114.5	115.4	18005	20042	19775	57822	0.788	0.691	0.671	1.3	1.8	1.6	13.9	17.6	15.2
29-Dec-24	3:50:30 PM	49.94	254.1	253.2	254.9	91.8	114.6	114	18572	20139	19161	57872	0.795	0.693	0.659	1.3	1.7	1.6	13.9	17.8	15.6
29-Dec-24	3:50:35 PM	49.94	254	253.2	254.8	92.2	114.4	113.7	18778	20124	19113	58014	0.801	0.694	0.659	1.2	1.7	1.6	13.1	17.3	14.9
29-Dec-24	3:50:40 PM	49.94	254	253.1	254.7	94.2	111.1	115.1	19976	20305	19907	60188	0.834	0.721	0.678	1.3	1.7	1.6	12.6	17.4	14.6
29-Dec-24	3:50:45 PM	49.94	254	253	254.8	95	108	113.8	20422	19874	19228	59525	0.846	0.726	0.662	1.3	1.7	1.7	12.9	18.4	15.2
29-Dec-24	3:50:50 PM	49.94	253.9	253	254.8	95	108.1	113.7	20484	19866	19208	59558	0.849	0.726	0.663	1.3	1.7	1.6	12.4	18.5	15.5
29-Dec-24	3:50:55 PM	49.94	253.9	253	254.7	95.1	108.1	115.3	20655	19862	19848	60366	0.855	0.726	0.675	1.2	1.7	1.6	11.8	18.4	15
29-Dec-24	3:51:00 PM	49.94	254	253.1	254.8	93.4	113.6	113.8	19484	20049	19246	58779	0.82	0.697	0.663	1.2	1.8	1.6	11.9	17.9	15.4
29-Dec-24	3:51:05 PM	49.94	254	253.1	254.7	92.3	114.6	114	19090	20150	19310	58550	0.813	0.694	0.665	1.3	1.8	1.6	13	17.9	15.5
29-Dec-24	3:51:10 PM	49.94	254.1	253	254.6	92	118.2	115.8	19026	21376	20073	60475	0.813	0.714	0.68	1.2	1.8	1.6	12.6	16.9	14.9
29-Dec-24	3:51:15 PM	49.94	254	253	254.7	92.4	118	114.2	19110	21288	19494	59893	0.813	0.712	0.669	1.3	1.8	1.6	12.3	16.8	14.9
29-Dec-24	3:51:20 PM	49.95	254	252.8	254.6	91.4	116.3	111.5	19712	21955	19973	61639	0.848	0.746	0.703	1.3	1.8	1.5	12.5	17	15
29-Dec-24	3:51:25 PM	49.95	254	252.8	254.6	90.1	115.8	112.1	19321	21797	20155	61273	0.843	0.744	0.705	1.2	1.7	1.5	12.3	16.8	14.7

Date:	Time:	Freq	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	3:51:30 PM	49.95	253.9	252.8	254.5	90.2	115	112.5	19218	21353	20141	60712	0.838	0.734	0.702	1.3	1.7	1.5	12.5	16.9	14.5
29-Dec-24	3:51:35 PM	49.94	254	253	254.6	91.9	115.6	117.3	18908	20448	20615	59971	0.809	0.698	0.689	1.3	1.7	1.6	12.6	17	14.2
29-Dec-24	3:51:40 PM	49.94	254	253	254.6	92.1	115.6	116	18993	20449	20106	59548	0.811	0.699	0.68	1.3	1.7	1.6	12.7	17.1	14.5
29-Dec-24	3:51:45 PM	49.94	253.9	252.9	254.6	92.3	115.6	115.5	19069	20516	20001	59586	0.812	0.701	0.679	1.3	1.7	1.6	12.8	17.1	14.7
29-Dec-24	3:51:50 PM	49.93	253.8	252.7	254.5	90.7	113.4	110.8	19474	21048	19767	60289	0.845	0.733	0.7	1.3	1.7	1.6	13.4	17.5	15.3
29-Dec-24	3:51:55 PM	49.93	253.7	252.8	254.5	91.3	113.1	111.7	19604	20830	20002	60436	0.846	0.728	0.703	1.3	1.8	1.5	13.7	17.7	15.1
29-Dec-24	3:52:00 PM	49.93	253.8	252.7	254.5	90.1	114.5	110.2	19252	21470	19514	60236	0.842	0.741	0.695	1.3	1.7	1.5	13.2	17.1	14.7
29-Dec-24	3:52:05 PM	49.93	253.9	252.7	254.6	92	118.6	113.3	18959	21903	19271	60133	0.811	0.73	0.668	1.3	1.7	1.5	13	16.9	14.6
29-Dec-24	3:52:10 PM	49.92	253.9	252.7	254.5	91.9	119	118.8	18913	21932	21274	62118	0.81	0.728	0.703	1.3	1.7	1.5	13	16.9	13.6
29-Dec-24	3:52:15 PM	49.92	253.7	252.5	254.3	91	117.5	115.6	19499	22533	21483	63514	0.844	0.759	0.73	1.3	1.7	1.5	13.2	17.2	13.9
29-Dec-24	3:52:20 PM	49.91	253.6	252.4	254.3	89.8	116.7	114.8	19224	22301	21289	62814	0.843	0.756	0.728	1.3	1.7	1.4	12.8	16.8	13.4
29-Dec-24	3:52:25 PM	49.9	253.7	252.5	254.3	90.9	117.9	117.8	19031	22020	21521	62572	0.825	0.739	0.718	1.2	1.7	1.4	11.6	16.3	12.7
29-Dec-24	3:52:30 PM	49.89	253.8	252.5	254.4	91.6	118.7	117.4	18890	21834	20840	61563	0.811	0.728	0.697	1.2	1.7	1.4	11.7	16.4	12.8
29-Dec-24	3:52:35 PM	49.9	253.8	252.6	254.5	91.8	118.8	117.6	18867	21860	20880	61606	0.809	0.728	0.697	1.3	1.7	1.4	12.6	16.8	13.4
29-Dec-24	3:52:40 PM	49.89	253.9	252.5	254.4	92	119.6	119.5	18688	22033	21421	62142	0.8	0.729	0.703	1.3	1.7	1.5	13.3	17.1	13.9
29-Dec-24	3:52:45 PM	49.89	253.8	252.5	254.4	92.6	120.2	118.3	18852	22298	20895	62045	0.801	0.734	0.693	1.3	1.8	1.5	13.4	17.1	13.9
29-Dec-24	3:52:50 PM	49.89	253.8	252.5	254.4	92.5	119.9	117.3	18843	22238	20539	61621	0.802	0.733	0.688	1.3	1.7	1.5	12.8	17	14
29-Dec-24	3:52:55 PM	49.9	253.9	252.6	254.4	92.1	120	118.1	18715	22241	20825	61781	0.8	0.733	0.692	1.3	1.7	1.5	12.6	16.8	13.9
29-Dec-24	3:53:00 PM	49.9	253.8	252.6	254.4	92	120	118.2	18700	22240	20868	61808	0.8	0.733	0.693	1.3	1.7	1.4	12.7	16.7	13.4
29-Dec-24	3:53:05 PM	49.9	253.8	252.6	254.5	92.1	119.9	117.5	18724	22236	20616	61576	0.8	0.733	0.689	1.3	1.7	1.4	12.6	16.6	13.5
29-Dec-24	3:53:10 PM	49.9	253.8	252.5	254.4	91.9	119.8	118.3	18769	22284	21055	62109	0.805	0.736	0.699	1.3	1.7	1.5	12.4	16.8	13.5
29-Dec-24	3:53:15 PM	49.9	253.8	252.6	254.5	91.9	119.7	117.7	18798	22281	20821	61900	0.805	0.736	0.694	1.3	1.7	1.4	12.6	16.7	13.4
29-Dec-24	3:53:20 PM	49.9	253.8	252.6	254.5	92.1	119.7	116.8	18832	22269	20387	61488	0.805	0.736	0.685	1.3	1.7	1.5	12.6	16.8	13.7
29-Dec-24	3:53:25 PM	49.89	253.7	252.6	254.4	97.2	119.6	118.1	20423	22271	20826	63520	0.828	0.737	0.693	1.3	1.7	1.4	11.6	16.8	13.5
29-Dec-24	3:53:30 PM	49.89	253.7	252.6	254.4	95	119.6	117.7	19741	22213	20710	62664	0.818	0.735	0.691	1.3	1.7	1.5	12.5	17	13.8
29-Dec-24	3:53:35 PM	49.88	253.7	252.6	254.5	94.1	119.5	116.8	19653	22205	20381	62239	0.822	0.735	0.685	1.3	1.7	1.5	12.3	17	13.8
29-Dec-24	3:53:40 PM	49.88	253.8	252.6	254.5	94.6	119.6	118.1	19805	22224	20867	62897	0.825	0.735	0.693	1.3	1.7	1.5	12.1	17	13.6
29-Dec-24	3:53:45 PM	49.89	253.8	252.7	254.6	93.2	119.6	117.9	19388	22186	20780	62354	0.818	0.733	0.692	1.3	1.7	1.4	12.3	16.7	13.4
29-Dec-24	3:53:50 PM	49.89	253.8	252.7	254.6	92.8	119.6	117.2	19197	22129	20470	61795	0.814	0.731	0.686	1.3	1.7	1.5	12.8	17	13.7
29-Dec-24	3:53:55 PM	49.9	253.8	252.7	254.6	93	120	118.1	19174	22129	20690	61994	0.812	0.729	0.687	1.3	1.7	1.4	12.8	17	13.7
29-Dec-24	3:54:00 PM	49.9	253.8	252.8	254.6	94.4	119.9	118.3	19589	22110	20757	62457	0.817	0.729	0.688	1.3	1.8	1.4	12.9	17.1	13.6
29-Dec-24	3:54:05 PM	49.9	253.7	252.7	254.6	93.5	119.9	117.2	19349	22135	20386	61870	0.815	0.73	0.683	1.2	1.7	1.4	11.9	16.7	13
29-Dec-24	3:54:10 PM	49.91	253.7	252.7	254.5	93	119.9	118.4	19223	22120	20821	62165	0.814	0.729	0.69	1.2	1.7	1.4	11.4	16.5	12.6
29-Dec-24	3:54:15 PM	49.9	253.7	252.6	254.5	92.8	120	118.1	19043	22063	20695	61800	0.808	0.727	0.688	1.3	1.7	1.5	13	17.1	13.5
29-Dec-24	3:54:20 PM	49.9	253.7	252.6	254.5	92.7	120	117.2	18925	22098	20372	61394	0.803	0.728	0.682	1.2	1.7	1.5	12.4	16.9	13.3
29-Dec-24	3:54:25 PM	49.91	253.8	252.6	254.5	92.7	120.1	118.5	18772	22104	20838	61714	0.797	0.728	0.69	1.2	1.7	1.5	12.6	17	13.1
29-Dec-24	3:54:30 PM	49.91	253.8	252.6	254.5	92.5	120.2	118.3	18715	22130	20755	61600	0.796	0.729	0.689	1.3	1.7	1.5	12.7	17.1	13.2
29-Dec-24	3:54:35 PM	49.91	253.8	252.6	254.5	93.5	120	117.6	19034	22103	20496	61633	0.801	0.728	0.684	1.3	1.7	1.5	12.4	17.2	13.7
29-Dec-24	3:54:40 PM	49.91	253.9	252.7	254.5	92.5	120.2	118.3	18745	22127	20747	61618	0.797	0.728	0.688	1.3	1.7	1.5	12.4	17.1	13.5
29-Dec-24	3:54:45 PM	49.91	253.9	252.8	254.5	92.6	120.1	118.7	18763	22129	21083	61975	0.797	0.728	0.697	1.3	1.7	1.5	12.6	17	13.4
29-Dec-24	3:54:50 PM	49.91	253.9	252.8	254.5	92.5	120.1	117.6	18718	22151	20442	61311	0.796	0.729	0.682	1.3	1.7	1.4	12.9	17.1	13.7
29-Dec-24	3:54:55 PM	49.92	253.9	252.8	254.5	92.6	120.1	118.7	18751	22141	20726	61618	0.797	0.728	0.686	1.3	1.7	1.4	12.3	16.8	13.3

Date:	Time:	Freq	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	3:55:00 PM	49.92	253.9	252.8	254.4	92.5	120.4	118.8	18742	22356	20795	61893	0.797	0.734	0.687	1.3	1.7	1.4	12.2	16.5	13
29-Dec-24	3:55:05 PM	49.93	253.8	252.8	254.5	92.5	120.1	117.6	18728	22282	20360	61370	0.797	0.733	0.679	1.3	1.7	1.4	12.4	16.5	13.3
29-Dec-24	3:55:10 PM	49.93	253.8	252.8	254.4	94.4	120.2	118.7	19334	22335	20749	62418	0.806	0.734	0.686	1.3	1.7	1.4	12.1	16.4	13
29-Dec-24	3:55:15 PM	49.93	253.8	252.9	254.4	93.6	118	118.8	19067	21303	20768	61138	0.802	0.713	0.686	1.3	1.7	1.4	12.5	16.6	13.2
29-Dec-24	3:55:20 PM	49.93	253.8	252.9	254.4	92.6	117.1	118	18747	20888	20463	60098	0.797	0.705	0.681	1.3	1.7	1.4	12.6	16.7	13.3
29-Dec-24	3:55:25 PM	49.94	253.8	252.9	254.5	93	117.1	118.9	18854	20869	20784	60507	0.798	0.704	0.686	1.3	1.7	1.5	13.5	17	13.6
29-Dec-24	3:55:30 PM	49.94	253.8	252.9	254.4	93.3	117.2	118.9	18946	20910	20801	60657	0.8	0.705	0.687	1.3	1.8	1.5	13.5	17	13.4
29-Dec-24	3:55:35 PM	49.94	253.8	252.9	254.5	92.6	117.1	118.2	18739	20886	20525	60149	0.796	0.704	0.682	1.3	1.8	1.5	12.9	16.8	13.5
29-Dec-24	3:55:40 PM	49.95	253.7	252.9	254.5	97.4	117.1	119	20247	20885	20819	61951	0.818	0.704	0.687	1.3	1.7	1.4	12.1	16.8	13.3
29-Dec-24	3:55:45 PM	49.94	253.8	252.9	254.5	99	117.1	119.2	20719	20888	20897	62505	0.823	0.704	0.688	1.3	1.7	1.5	12	16.9	13.3
29-Dec-24	3:55:50 PM	49.95	253.9	253	254.6	95.7	117.1	118.2	19676	20894	20534	61104	0.809	0.704	0.681	1.3	1.7	1.5	12.9	16.9	13.4
29-Dec-24	3:55:55 PM	49.96	253.9	253.1	254.6	94.4	117.1	119.1	19243	20863	20842	60948	0.802	0.703	0.687	1.3	1.7	1.4	13.1	16.8	13.4
29-Dec-24	3:56:00 PM	49.97	254	253.2	254.6	93.9	117.1	119.2	19098	20826	20859	60783	0.8	0.702	0.686	1.3	1.7	1.5	13.3	16.9	13.6
29-Dec-24	3:56:05 PM	49.98	253.9	253.2	254.7	94.1	116.9	118.4	19165	20789	20550	60504	0.801	0.701	0.681	1.3	1.7	1.5	12.9	16.9	13.7
29-Dec-24	3:56:10 PM	49.99	254	253.2	254.7	94.4	116.9	119.2	19225	20810	20875	60910	0.801	0.702	0.687	1.3	1.7	1.5	12.9	16.9	13.7
29-Dec-24	3:56:15 PM	49.99	254	253.2	254.7	93.4	116.9	119.4	18905	20779	20922	60607	0.796	0.701	0.687	1.3	1.7	1.5	13.7	17	13.7
29-Dec-24	3:56:20 PM	50	254	253.2	254.8	93.2	116.8	118.1	18962	20756	20471	60190	0.8	0.701	0.68	1.3	1.7	1.4	13.3	16.9	13.6
29-Dec-24	3:56:25 PM	50.01	254	253.3	254.8	93.6	116.8	119	19235	20732	20783	60750	0.808	0.7	0.685	1.3	1.7	1.4	13.1	17	13.5
29-Dec-24	3:56:30 PM	50.02	254	253.3	254.8	94.3	116.8	119.3	19417	20724	20898	61039	0.81	0.7	0.687	1.3	1.7	1.4	12.9	17	13.4
29-Dec-24	3:56:35 PM	50.02	254	253.2	254.8	94.4	116.7	118.2	19450	20717	20482	60648	0.81	0.7	0.679	1.3	1.7	1.4	12.7	17	13.5
29-Dec-24	3:56:40 PM	50.02	254.1	253.2	254.8	93.2	115.9	118.9	19081	20418	20731	60230	0.805	0.695	0.683	1.3	1.7	1.4	13.3	17.2	13.6
29-Dec-24	3:56:45 PM	50.03	254.1	253.2	254.8	92.9	115.9	119.2	19003	20432	20861	60296	0.804	0.695	0.686	1.3	1.7	1.4	13	16.7	12.9
29-Dec-24	3:56:50 PM	50.04	254.1	253.2	254.8	92.9	115.8	118	18997	20365	20438	59800	0.804	0.694	0.679	1.3	1.7	1.4	12.9	16.8	12.9
29-Dec-24	3:56:55 PM	50.04	254.1	253.2	254.8	92.9	115.8	118.8	18981	20262	20710	59952	0.803	0.69	0.683	1.3	1.7	1.4	13.3	17	13.2
29-Dec-24	3:57:00 PM	50.05	254	253.2	254.8	92.9	115.8	119.2	18994	20251	20819	60064	0.804	0.69	0.685	1.2	1.7	1.5	12.5	17	13.3
29-Dec-24	3:57:05 PM	50.05	254.1	253.2	254.8	92.8	115.7	118.5	18974	20240	20552	59766	0.804	0.69	0.68	1.2	1.7	1.5	12.4	17.1	13.5
29-Dec-24	3:57:10 PM	50.06	254.2	253.3	254.8	90.4	115.9	119	17992	20266	20737	58995	0.782	0.69	0.683	1.2	1.7	1.4	12.9	16.9	13.4
29-Dec-24	3:57:15 PM	50.07	254.2	253.3	254.8	89.8	115.8	119.4	17869	20248	20874	58981	0.781	0.689	0.685	1.3	1.7	1.5	13.8	17.2	13.6
29-Dec-24	3:57:20 PM	50.07	254.2	253.3	254.9	90.4	115.8	118.4	18151	20253	20533	58936	0.789	0.69	0.68	1.2	1.8	1.4	12.9	17.1	13.5
29-Dec-24	3:57:25 PM	50.07	254.2	253.3	254.8	89.4	115.8	119	17762	20249	20758	58769	0.781	0.689	0.683	1.2	1.7	1.4	12.9	16.8	13.3
29-Dec-24	3:57:30 PM	50.06	254.2	253.3	254.8	86.7	115.9	119.2	16935	20252	20844	58032	0.767	0.689	0.686	1.2	1.7	1.4	13.4	16.8	13
29-Dec-24	3:57:35 PM	50.06	254.3	253.3	254.9	85.8	115.8	118.1	16603	20233	20423	57249	0.76	0.689	0.678	1.2	1.7	1.5	14.6	17	13.5
29-Dec-24	3:57:40 PM	50.06	254.3	253.4	254.9	85.8	116	118.6	16627	20374	20612	57614	0.761	0.692	0.681	1.3	1.7	1.5	14.8	17.1	13.6
29-Dec-24	3:57:45 PM	50.06	254.4	253.4	254.9	85.8	115.8	119.1	16632	20411	20769	57812	0.761	0.695	0.684	1.3	1.7	1.4	15	17	13.6
29-Dec-24	3:57:50 PM	50.06	254.5	253.4	255	85.8	115.8	118.2	16634	20441	20442	57516	0.761	0.696	0.678	1.3	1.7	1.5	14.6	17.2	13.7
29-Dec-24	3:57:55 PM	50.07	254.5	253.4	255	85.9	116	119.9	16681	20481	21059	58221	0.762	0.696	0.688	1.3	1.7	1.5	14.5	17.2	13.7
29-Dec-24	3:58:00 PM	50.07	254.4	253.4	255	86.3	116.1	119	16783	20502	20735	58020	0.763	0.696	0.682	1.3	1.7	1.5	14.5	17.2	13.7
29-Dec-24	3:58:05 PM	50.07	254.4	253.4	255	89.5	116	118.6	17753	20503	20582	58838	0.779	0.697	0.68	1.3	1.8	1.5	14.3	17.4	13.8
29-Dec-24	3:58:10 PM	50.07	254.4	253.5	255	89.5	115.8	119.7	17780	20473	21013	59266	0.78	0.697	0.688	1.3	1.7	1.4	13.8	16.8	13.1
29-Dec-24	3:58:15 PM	50.07	254.4	253.5	255	90.5	115.7	119	17992	20446	20795	59233	0.781	0.696	0.684	1.2	1.7	1.4	12.3	16.5	12.5
29-Dec-24	3:58:20 PM	50.08	254.6	253.5	255.1	89.5	116	118.5	17597	20510	20604	58711	0.771	0.697	0.681	1.2	1.7	1.4	13	16.7	12.9
29-Dec-24	3:58:25 PM	50.09	254.7	253.6	255.3	89.6	118.1	119.7	17602	21215	21017	59834	0.77	0.708	0.687	1.3	1.7	1.4	13.9	16.8	13.3

Date:	Time:	Freq	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	3:58:30 PM	50.1	254.7	253.7	255.3	89.6	117.3	118.7	17592	20955	20648	59196	0.77	0.704	0.68	1.3	1.7	1.4	13.8	16.9	13.4
29-Dec-24	3:58:35 PM	50.1	254.7	253.7	255.4	89.6	116.6	118.4	17605	20747	20514	58866	0.77	0.7	0.678	1.3	1.7	1.4	13.4	16.8	13.3
29-Dec-24	3:58:40 PM	50.11	254.9	253.9	255.5	89.7	116	118.5	17629	20489	20544	58662	0.77	0.695	0.678	1.3	1.8	1.4	13.6	17	13.5
29-Dec-24	3:58:45 PM	50.11	254.9	253.9	255.5	89.7	116	118.5	17644	20479	20534	58658	0.771	0.695	0.678	1.3	1.7	1.5	13.7	17.1	13.6
29-Dec-24	3:58:50 PM	50.11	255	254	255.7	89.7	116.9	118.5	17640	20787	20544	58971	0.771	0.699	0.678	1.3	1.7	1.5	13.5	17	13.5
29-Dec-24	3:58:55 PM	50.12	255	254	255.7	89.9	117.8	118.7	17681	21080	20628	59389	0.77	0.704	0.679	1.3	1.7	1.5	13.8	16.9	13.6
29-Dec-24	3:59:00 PM	50.13	254.9	253.9	255.6	89.9	116.2	118.7	17692	20522	20590	58804	0.771	0.695	0.678	1.3	1.7	1.5	13.4	17	13.4
29-Dec-24	3:59:05 PM	50.13	254.9	253.9	255.6	91.3	116	118.7	18157	20466	20614	59236	0.779	0.694	0.678	1.3	1.7	1.5	13.4	17.2	13.6
29-Dec-24	3:59:10 PM	50.12	254.9	254	255.7	91.8	115.9	118.7	18467	20497	20594	59558	0.788	0.695	0.678	1.3	1.7	1.4	13.3	17.1	13.4
29-Dec-24	3:59:15 PM	50.13	255	254.1	255.8	90.4	116	116.6	18084	20498	19775	58357	0.783	0.695	0.662	1.3	1.7	1.3	13.3	16.8	13.6
29-Dec-24	3:59:20 PM	50.13	255	254.1	255.8	90.2	115.9	115.7	18013	20475	19421	57909	0.782	0.694	0.655	1.2	1.7	1.3	13	16.8	13.7
29-Dec-24	3:59:25 PM	50.13	255	254.2	255.8	90.1	115.9	114.6	17964	20492	18993	57449	0.781	0.694	0.647	1.2	1.7	1.3	12.9	16.7	13.8
29-Dec-24	3:59:30 PM	50.13	255	254.2	255.9	90.1	115.9	114.2	17966	20486	18829	57281	0.781	0.695	0.644	1.2	1.7	1.4	12.8	16.8	13.8
29-Dec-24	3:59:35 PM	50.14	255	254.2	255.9	90.1	115.9	114.1	17964	20476	18801	57240	0.781	0.694	0.643	1.2	1.7	1.3	12.9	16.7	13.8
29-Dec-24	3:59:40 PM	50.14	255	254.3	255.9	90.2	116	114.2	17970	20487	18805	57262	0.78	0.694	0.643	1.3	1.7	1.4	13.5	17	14.2
29-Dec-24	3:59:45 PM	50.14	255	254.3	255.9	90.7	116.1	114.1	18082	20520	18810	57412	0.782	0.695	0.643	1.3	1.7	1.4	13.7	16.8	13.8
29-Dec-24	3:59:50 PM	50.15	255	254.3	256	91.2	116	114.4	18255	20491	18966	57712	0.784	0.694	0.647	1.3	1.7	1.4	13.6	17	14.1
29-Dec-24	3:59:55 PM	50.14	255.1	254.3	255.9	90.6	116	115	17868	20495	19214	57577	0.772	0.694	0.652	1.3	1.7	1.5	13.8	17	14.2
29-Dec-24	4:00:00 PM	50.14	255.1	254.3	255.9	90.3	116	115.2	17766	20479	19276	57521	0.771	0.693	0.653	1.3	1.7	1.5	13.8	17.2	14.3
29-Dec-24	4:00:05 PM	50.13	255	254.2	255.8	90.9	116	114.3	17965	20478	18829	57272	0.774	0.694	0.643	1.3	1.7	1.5	13.9	17.2	14.3
29-Dec-24	4:00:10 PM	50.12	255.1	254.3	255.9	90.4	115.9	114.3	17817	20673	18844	57334	0.772	0.701	0.644	1.3	1.7	1.5	13.9	17	14.3
29-Dec-24	4:00:15 PM	50.12	255.2	254.3	256	90.2	115.8	114.6	17752	20627	18982	57361	0.77	0.7	0.646	1.4	1.7	1.5	14.1	17	14.3
29-Dec-24	4:00:20 PM	50.13	255.2	254.4	256	90.1	115.8	114.7	17747	20628	19252	57628	0.771	0.7	0.655	1.3	1.7	1.5	13.3	16.6	13.7
29-Dec-24	4:00:25 PM	50.13	255.1	254.3	255.9	90.3	115.7	114.5	17829	20625	19210	57664	0.773	0.7	0.655	1.2	1.7	1.4	12.9	16.4	13.6
29-Dec-24	4:00:30 PM	50.13	255.2	254.3	255.9	90.2	115.7	116.5	17811	20616	20050	58478	0.773	0.7	0.671	1.2	1.7	1.4	12.8	16.4	13.4
29-Dec-24	4:00:35 PM	50.13	255.3	254.4	255.9	90.1	115.8	120.8	17795	20644	21756	60195	0.773	0.7	0.703	1.3	1.7	1.5	13.4	16.6	13.3
29-Dec-24	4:00:40 PM	50.13	255.3	254.4	255.9	90.2	115.7	120.7	17795	20644	21647	60086	0.772	0.7	0.7	1.3	1.7	1.5	14	16.8	13.4
29-Dec-24	4:00:45 PM	50.13	255.3	254.5	256	90.2	115.8	120.6	17804	20645	21562	60010	0.773	0.7	0.698	1.3	1.7	1.5	13.4	16.6	13.3
29-Dec-24	4:00:50 PM	50.13	255.3	254.4	256	90.2	115.7	118	17797	20641	20513	58951	0.772	0.7	0.678	1.2	1.7	1.4	13.3	16.6	13.4
29-Dec-24	4:00:55 PM	50.13	255.4	254.5	256.2	90.3	115.7	114.2	17810	20613	18855	57277	0.771	0.7	0.644	1.3	1.7	1.5	13.6	16.8	14.2
29-Dec-24	4:01:00 PM	50.13	255.3	254.4	256.1	90.7	115.7	114.1	17923	20614	18850	57387	0.774	0.7	0.644	1.2	1.7	1.5	13.3	16.7	14.2
29-Dec-24	4:01:05 PM	50.13	255.3	254.4	256.1	90.8	115.5	114.2	17995	20570	18870	57435	0.775	0.699	0.645	1.2	1.7	1.5	13.5	16.8	14.2
29-Dec-24	4:01:10 PM	50.13	255.4	254.3	256.1	85.8	115.8	114	16307	20764	18844	55915	0.743	0.704	0.644	1.3	1.7	1.5	14.3	16.7	14.2
29-Dec-24	4:01:15 PM	50.12	255.4	254.4	256.1	85.3	115.7	113.9	16154	20661	19104	55919	0.741	0.702	0.654	1.3	1.7	1.4	14.4	16.6	14.2
29-Dec-24	4:01:20 PM	50.11	255.4	254.3	256.1	85.4	115.6	114	16138	20668	18811	55616	0.739	0.702	0.644	1.3	1.7	1.4	14.9	16.7	14.4
29-Dec-24	4:01:25 PM	50.11	255.4	254.2	256.1	85.3	115.6	113.9	16137	20670	18948	55755	0.74	0.703	0.649	1.3	1.6	1.5	15	16.6	14
29-Dec-24	4:01:30 PM	50.1	255.3	254.2	256	85.3	115.6	113.8	16135	20683	18983	55801	0.74	0.703	0.651	1.3	1.7	1.4	14.9	16.5	13.9
29-Dec-24	4:01:35 PM	50.1	255.4	254.2	256.1	85.2	115.4	113.9	16108	20630	19110	55848	0.739	0.702	0.655	1.3	1.7	1.4	14.9	16.5	13.8
29-Dec-24	4:01:40 PM	50.1	255.4	254.2	256	85.2	115.4	113.9	16097	20606	18816	55518	0.739	0.702	0.645	1.2	1.7	1.4	14.7	16.6	14.1
29-Dec-24	4:01:45 PM	50.1	255.4	254.2	256.1	85.5	115.4	114.2	16328	20612	18904	55845	0.747	0.702	0.646	1.3	1.7	1.5	15	16.6	14.2
29-Dec-24	4:01:50 PM	50.1	255.3	254.2	256	85.5	115.4	114.1	16407	20616	19059	56083	0.751	0.702	0.652	1.3	1.7	1.5	15.1	16.7	14.4
29-Dec-24	4:01:55 PM	50.09	255.3	254.1	256	85.5	115.4	114.4	16416	20595	19199	56211	0.751	0.702	0.655	1.3	1.7	1.4	15	16.6	14.1

Date:	Time:	Freq	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	4:02:00 PM	50.09	255.2	254.1	255.9	86.1	115.4	114.5	16666	20603	19286	56555	0.757	0.702	0.657	1.2	1.7	1.5	14.2	16.6	14.1
29-Dec-24	4:02:05 PM	50.08	255.2	254.1	255.9	85.2	115.4	114.1	16326	20616	18901	55843	0.75	0.702	0.647	1.3	1.7	1.5	14.6	16.6	14.2
29-Dec-24	4:02:10 PM	50.07	255.1	254	255.8	85.2	115.5	113.9	16303	20637	18833	55773	0.75	0.703	0.646	1.3	1.7	1.5	14.7	16.6	14.1
29-Dec-24	4:02:15 PM	50.07	255.1	254.1	255.8	85.1	115.4	114.2	16308	20611	18948	55867	0.75	0.703	0.648	1.3	1.7	1.5	14.5	16.5	14.2
29-Dec-24	4:02:20 PM	50.07	255.2	254	255.8	85.1	115.8	114.1	16296	20862	19126	56284	0.75	0.708	0.655	1.2	1.6	1.5	14.5	16.4	14.1
29-Dec-24	4:02:25 PM	50.07	255.2	254.1	255.8	85.3	115.4	114.2	16452	20876	19252	56580	0.754	0.711	0.658	1.3	1.7	1.5	14.6	16.6	14.5
29-Dec-24	4:02:30 PM	50.07	255.2	254.1	255.8	85.3	115.3	114	16277	20837	19095	56210	0.747	0.71	0.655	1.3	1.7	1.5	14.5	16.4	14.5
29-Dec-24	4:02:35 PM	50.06	255.2	254.1	255.8	85.2	115.3	114.2	16187	20770	19085	56042	0.744	0.708	0.652	1.3	1.6	1.5	14.4	16.4	14.2
29-Dec-24	4:02:40 PM	50.06	255.2	254.1	255.8	85.1	118.8	115.3	16166	21997	19505	57668	0.743	0.728	0.661	1.3	1.6	1.5	14.4	16	14
29-Dec-24	4:02:45 PM	50.05	255.2	253.7	255.8	84.8	126	117.2	16054	24525	20245	60824	0.741	0.766	0.674	1.3	1.6	1.5	14.2	14.8	13.8
29-Dec-24	4:02:50 PM	50.04	255.3	253.7	255.9	84.1	127.8	115.6	15825	25191	19616	60632	0.737	0.776	0.662	1.2	1.6	1.5	14.3	14.4	13.7
29-Dec-24	4:02:55 PM	50.04	255.2	253.9	256	84.6	119.5	114.2	16243	22242	19014	57500	0.752	0.732	0.65	1.2	1.6	1.5	14.4	15.7	14.1
29-Dec-24	4:03:00 PM	50.04	255.2	254	255.9	82.9	119.1	114.1	15599	22095	18970	56664	0.736	0.73	0.649	1.3	1.6	1.5	15.1	15.9	14.2
29-Dec-24	4:03:05 PM	50.03	255.3	254	255.9	80.6	119.2	114.8	14823	22201	19312	56336	0.72	0.733	0.656	1.2	1.6	1.4	15.2	15.6	13.8
29-Dec-24	4:03:10 PM	50.03	255.3	254.1	255.9	81.2	118.9	114.2	15059	22098	19026	56183	0.724	0.731	0.65	1.3	1.6	1.4	15.3	15.7	14
29-Dec-24	4:03:15 PM	50.03	255.3	254.2	256	84.4	118.9	114.5	16120	22098	19142	57360	0.747	0.73	0.652	1.3	1.7	1.5	15.1	16.2	14.6
29-Dec-24	4:03:20 PM	50.03	255.2	254.2	256	85.1	118.9	114.3	16345	22085	18993	57422	0.752	0.73	0.648	1.3	1.7	1.5	14.8	16.2	14.9
29-Dec-24	4:03:25 PM	50.03	255.2	254.1	256	83.4	118.9	114.2	15773	22085	18973	56831	0.74	0.73	0.648	1.3	1.7	1.5	15.2	16.2	14.9
29-Dec-24	4:03:30 PM	50.02	255.1	254	255.9	83.6	119	115.7	15928	22101	19632	57661	0.745	0.73	0.663	1.3	1.6	1.5	15.2	16.3	14.8
29-Dec-24	4:03:35 PM	50.01	255.1	254	255.9	84.5	118.9	114.6	16264	22108	19148	57521	0.753	0.731	0.652	1.3	1.6	1.5	14.8	16.2	14.9
29-Dec-24	4:03:40 PM	50.01	255.2	254	256	83.3	119	114.1	15880	22128	18974	56982	0.746	0.732	0.649	1.3	1.6	1.6	15.1	15.9	14.5
29-Dec-24	4:03:45 PM	50.01	255.3	254	256	83.2	118.9	113.9	15855	22105	18888	56848	0.745	0.731	0.647	1.3	1.6	1.6	15.2	16.1	14.6
29-Dec-24	4:03:50 PM	50.02	255.3	254	255.9	84.1	118.9	115	15943	22102	19325	57370	0.742	0.731	0.656	1.4	1.6	1.5	15	16.1	14.6
29-Dec-24	4:03:55 PM	50.02	255.3	254.1	255.9	83.6	119	115.2	15772	22116	19399	57287	0.738	0.731	0.657	1.3	1.6	1.5	14.7	15.9	14.4
29-Dec-24	4:04:00 PM	50.02	255.2	254	255.9	83.1	119	114	15574	22114	18915	56602	0.733	0.731	0.647	1.4	1.7	1.5	15.5	16	14.8
29-Dec-24	4:04:05 PM	50.02	255.2	253.9	255.9	84.8	119.1	114	16110	22098	18886	57094	0.744	0.73	0.647	1.4	1.6	1.5	15.4	16	14.8
29-Dec-24	4:04:10 PM	50.01	255.1	253.9	255.8	87	119.1	115.2	16893	22030	19424	58348	0.76	0.728	0.658	1.3	1.7	1.5	15.1	16.2	14.6
29-Dec-24	4:04:15 PM	50	255	253.9	255.8	88	118.8	113.9	17218	21902	18882	58001	0.766	0.726	0.647	1.3	1.7	1.5	14.2	16	14.8
29-Dec-24	4:04:20 PM	49.99	255.1	253.9	255.8	87	118.8	114	16845	21869	18886	57600	0.758	0.724	0.647	1.4	1.7	1.5	15.3	16.4	15.1
29-Dec-24	4:04:25 PM	49.99	255.1	253.9	255.8	84.8	118.8	113.8	16294	21857	18863	57013	0.752	0.724	0.647	1.3	1.7	1.5	15.3	16.1	14.7
29-Dec-24	4:04:30 PM	49.99	255.1	254	255.8	83.5	119	116.2	15976	21880	19862	57718	0.75	0.723	0.667	1.3	1.7	1.5	14.9	16.1	14.1
29-Dec-24	4:04:35 PM	50	255.1	254	255.8	83.6	118.8	113.9	16012	21857	18897	56766	0.749	0.724	0.648	1.3	1.7	1.5	14.7	16.1	14.5
29-Dec-24	4:04:40 PM	50	255	253.9	255.7	84.6	118.8	114.1	16348	21883	19009	57240	0.756	0.725	0.651	1.2	1.6	1.4	14.3	15.8	14
29-Dec-24	4:04:45 PM	49.99	255	253.9	255.7	83.9	118.8	114	16088	21853	18978	56918	0.751	0.724	0.65	1.3	1.6	1.5	14.8	15.9	14.3
29-Dec-24	4:04:50 PM	49.99	255	253.9	255.6	84.1	118.7	113.9	16117	21838	18851	56806	0.751	0.724	0.647	1.2	1.6	1.5	14.7	16.1	14.8
29-Dec-24	4:04:55 PM	49.99	255	253.9	255.7	88.2	118.6	114.8	17498	21818	19300	58616	0.777	0.724	0.657	1.2	1.6	1.5	13.3	16	14.1
29-Dec-24	4:05:00 PM	49.99	255	253.9	255.7	85.7	119	113.8	16678	21999	18847	57524	0.762	0.728	0.647	1.3	1.6	1.5	14.1	15.9	14.4
29-Dec-24	4:05:05 PM	49.99	255	253.9	255.7	83.9	118.7	115.6	16115	21901	19574	57589	0.752	0.726	0.662	1.2	1.6	1.5	14.1	16	14.2
29-Dec-24	4:05:10 PM	49.99	255.1	253.9	255.7	84.3	118.7	115.9	16141	21864	19761	57766	0.75	0.725	0.666	1.2	1.6	1.5	14.1	15.9	13.8
29-Dec-24	4:05:15 PM	49.99	255.1	253.8	255.6	84.7	118.7	116	16138	21877	19728	57742	0.746	0.725	0.665	1.2	1.6	1.5	14.1	15.9	13.9
29-Dec-24	4:05:20 PM	49.99	255	253.8	255.6	83.7	118.7	115.9	15830	21859	19694	57383	0.74	0.725	0.664	1.2	1.6	1.5	14.2	16	14
29-Dec-24	4:05:25 PM	49.98	255	253.8	255.6	83.8	118.7	115.9	15840	21835	19671	57345	0.741	0.724	0.664	1.2	1.7	1.5	14	16.1	14.2

Date:	Time:	Freq	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	4:05:30 PM	49.98	255.1	253.8	255.5	81.6	118.7	116	15165	21827	19742	56735	0.728	0.724	0.666	1.2	1.6	1.5	14.5	15.8	13.9
29-Dec-24	4:05:35 PM	49.98	255.1	253.8	255.6	81.8	120.6	115.7	15189	22471	19654	57313	0.727	0.733	0.664	1.2	1.6	1.4	15	15.7	14
29-Dec-24	4:05:40 PM	49.99	255	253.7	255.6	81.6	122.5	116	15173	23092	19772	58037	0.729	0.743	0.666	1.2	1.6	1.4	14.1	15.1	13.7
29-Dec-24	4:05:45 PM	49.99	255.1	253.7	255.6	81.7	120.9	115.9	15172	22538	19703	57412	0.728	0.734	0.664	1.3	1.6	1.4	14.9	15.8	14.3
29-Dec-24	4:05:50 PM	49.98	255	253.6	255.5	81.6	121.3	116	15160	22661	19610	57430	0.727	0.736	0.661	1.2	1.6	1.5	15.1	15.9	14.5
29-Dec-24	4:05:55 PM	49.98	254.9	253.4	255.5	81.9	120	116	15249	22233	19646	57127	0.729	0.73	0.662	1.2	1.6	1.5	15.1	15.9	14
29-Dec-24	4:06:00 PM	49.97	254.9	253.4	255.4	81.7	119.4	116.1	15186	22032	19783	57001	0.729	0.727	0.666	1.3	1.6	1.4	14.5	15.6	13.5
29-Dec-24	4:06:05 PM	49.97	254.8	253.4	255.4	81.5	119.2	115.8	15160	21961	19643	56764	0.729	0.727	0.663	1.2	1.5	1.4	13.9	15.2	13.1
29-Dec-24	4:06:10 PM	49.96	254.9	253.4	255.4	81.6	119.9	115.8	15153	22212	19618	56984	0.728	0.731	0.662	1.3	1.6	1.4	15.1	15.8	13.8
29-Dec-24	4:06:15 PM	49.96	254.9	253.3	255.4	85.9	124.5	119.8	16630	23900	21117	61647	0.757	0.756	0.689	1.3	1.6	1.5	14.6	15.4	13.6
29-Dec-24	4:06:20 PM	49.95	254.8	253.2	255.4	89.8	132.2	121.4	17928	26502	21816	66246	0.783	0.791	0.703	1.2	1.6	1.5	13.1	14.1	13.2
29-Dec-24	4:06:25 PM	49.95	254.8	253.1	255.4	89.8	135.2	121.2	17927	27505	21690	67121	0.783	0.803	0.7	1.3	1.6	1.5	13.5	14	13.2
29-Dec-24	4:06:30 PM	49.95	254.7	253	255.4	89.8	135.5	121	17904	27567	21615	67086	0.782	0.803	0.699	1.3	1.6	1.5	13.2	14	13.1
29-Dec-24	4:06:35 PM	49.95	254.7	253.1	255.4	89.7	133	121.3	17903	26743	21720	66366	0.783	0.794	0.701	1.3	1.6	1.5	13.3	14.1	13
29-Dec-24	4:06:40 PM	49.94	254.6	253.1	255.3	89.7	129.7	121.1	17897	25634	21655	65186	0.783	0.78	0.7	1.2	1.6	1.5	13.2	14.6	13.1
29-Dec-24	4:06:45 PM	49.94	254.6	253	255.2	89.7	131.2	122	17881	26146	22020	66047	0.782	0.787	0.707	1.3	1.6	1.5	13.6	14.5	13.2
29-Dec-24	4:06:50 PM	49.94	254.5	252.9	255.2	89.7	131.8	121.1	17768	26379	21676	65823	0.778	0.79	0.701	1.2	1.6	1.5	13.2	14.1	12.9
29-Dec-24	4:06:55 PM	49.94	254.5	253	255.2	89.6	130.7	120.9	17743	26062	21600	65405	0.777	0.787	0.699	1.2	1.6	1.5	13.4	14.1	13
29-Dec-24	4:07:00 PM	49.94	254.5	252.9	255.2	89.6	131.1	120.9	17720	26138	21575	65433	0.776	0.788	0.699	1.2	1.6	1.5	13.5	14.4	13.3
29-Dec-24	4:07:05 PM	49.94	254.5	253.1	255.1	89.7	129.7	121.3	17835	25654	21764	65253	0.781	0.781	0.703	1.3	1.6	1.5	13.3	14.7	13.1
29-Dec-24	4:07:10 PM	49.94	254.6	253.2	255.2	89.7	128.9	121	17996	25441	21571	65009	0.787	0.778	0.699	1.2	1.6	1.5	13	14.6	13.3
29-Dec-24	4:07:15 PM	49.94	254.6	253.2	255.2	89.8	129.3	120.9	17995	25531	21571	65096	0.787	0.779	0.698	1.2	1.6	1.5	13.4	14.7	13.3
29-Dec-24	4:07:20 PM	49.95	254.7	253.2	255.2	89.7	128.8	124.7	17999	25619	22977	66595	0.787	0.785	0.721	1.2	1.6	1.6	13.1	14.8	12.7
29-Dec-24	4:07:25 PM	49.96	254.7	253.3	255.2	89.8	129.5	123.7	18005	25833	22547	66385	0.787	0.787	0.713	1.3	1.6	1.6	13.5	14.7	13.2
29-Dec-24	4:07:30 PM	49.97	254.7	253.3	255.3	89.7	129.7	122	17973	25844	21971	65788	0.786	0.786	0.704	1.2	1.7	1.5	13.8	15	13.5
29-Dec-24	4:07:35 PM	49.97	254.7	253.3	255.3	89.6	128.7	122.1	17950	25525	21972	65446	0.786	0.782	0.704	1.2	1.7	1.5	13	14.9	13.3
29-Dec-24	4:07:40 PM	49.97	254.6	253.2	255.2	89.5	129.4	121.7	17911	25774	21824	65509	0.785	0.786	0.701	1.3	1.7	1.5	13.8	15	13.6
29-Dec-24	4:07:45 PM	49.97	254.7	253.3	255.3	89.5	128.6	121.9	17888	25501	21892	65281	0.785	0.782	0.703	1.3	1.7	1.5	13.7	15.1	13.3
29-Dec-24	4:07:50 PM	49.97	254.7	253.2	255.3	89.2	128.5	121.9	17709	25458	21675	64842	0.778	0.782	0.695	1.3	1.8	1.5	13.9	15.1	13.5
29-Dec-24	4:07:55 PM	49.97	254.7	253.2	255.3	89.1	129.1	121.7	17567	25645	21583	64796	0.774	0.784	0.694	1.2	1.7	1.5	13.6	15.1	13.5
29-Dec-24	4:08:00 PM	49.97	254.8	253.3	255.4	89.1	128.3	121.7	17580	25352	21575	64507	0.774	0.78	0.693	1.2	1.6	1.5	12.9	15	13.3
29-Dec-24	4:08:05 PM	49.98	254.8	253.3	255.4	89	128.4	121.8	17573	25387	21608	64569	0.774	0.78	0.694	1.2	1.6	1.4	13	14.9	13.2
29-Dec-24	4:08:10 PM	49.97	254.7	253.3	255.4	91.5	128.3	121.5	18357	25355	21493	65205	0.787	0.78	0.692	1.2	1.7	1.5	12.7	15	13.4
29-Dec-24	4:08:15 PM	49.97	254.8	253.3	255.5	86.4	124.6	118	16634	24114	20106	60854	0.754	0.763	0.667	1.3	1.7	1.5	14.4	15.7	14.3
29-Dec-24	4:08:20 PM	49.97	254.7	253.2	255.4	84.8	123.9	117.8	16093	23883	20047	60024	0.744	0.76	0.666	1.3	1.7	1.5	14.5	15.8	14.3
29-Dec-24	4:08:25 PM	49.96	254.6	253.1	255.3	85.8	123.6	119.5	16533	23785	20676	60994	0.756	0.759	0.677	1.2	1.7	1.5	14.6	15.9	14.1
29-Dec-24	4:08:30 PM	49.95	254.5	253.2	255.2	85.2	123.6	118	16491	23785	20138	60414	0.76	0.759	0.668	1.3	1.7	1.5	14.6	15.9	14.1
29-Dec-24	4:08:35 PM	49.95	254.5	253.2	255.3	81.8	120.3	114.5	15349	22679	18773	56801	0.736	0.744	0.641	1.2	1.7	1.5	14.8	16.2	14.4
29-Dec-24	4:08:40 PM	49.94	254.5	253.2	255.3	81.2	120.3	114	15149	22695	18553	56397	0.732	0.744	0.637	1.2	1.7	1.5	15.3	16.3	14.9
29-Dec-24	4:08:45 PM	49.94	254.5	253.3	255.2	81.4	119.8	114.6	15191	22502	18767	56460	0.733	0.741	0.641	1.3	1.7	1.5	15.5	16.7	15
29-Dec-24	4:08:50 PM	49.94	254.5	253.3	255.2	81.9	119.9	116.1	15427	22515	19368	57310	0.74	0.741	0.653	1.2	1.8	1.6	14.5	16.7	14.6
29-Dec-24	4:08:55 PM	49.94	254.6	253.3	255.2	81.3	119.8	114.4	15200	22514	18689	56403	0.734	0.741	0.639	1.2	1.7	1.6	14.2	16.4	14.8

Date:	Time:	Freq	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	4:09:00 PM	49.94	254.6	253.2	255.2	81.4	123.5	114.5	15213	23863	18739	57815	0.734	0.762	0.641	1.2	1.7	1.5	14.1	15.7	14.7
29-Dec-24	4:09:05 PM	49.95	254.6	253.2	255.2	81.3	122.2	114.5	15191	23348	18727	57266	0.733	0.754	0.64	1.2	1.7	1.6	14.6	16.1	15.2
29-Dec-24	4:09:10 PM	49.96	254.6	253.3	255.2	81.2	119.9	115.3	15150	22522	19009	56681	0.732	0.741	0.645	1.2	1.7	1.6	14.9	16.7	15.1
29-Dec-24	4:09:15 PM	49.96	254.6	253.3	255.2	82.5	119.9	114.2	15601	22526	18579	56707	0.742	0.741	0.637	1.2	1.8	1.6	14.5	16.8	15.2
29-Dec-24	4:09:20 PM	49.96	254.6	253.2	255.2	82.9	121.3	116	15711	23093	19437	58241	0.744	0.751	0.656	1.2	1.7	1.6	14.7	16.5	14.9
29-Dec-24	4:09:25 PM	49.96	254.6	253.2	255.2	81.3	123.7	114.2	14898	23823	18798	57519	0.719	0.759	0.644	1.2	1.7	1.6	14.4	16	15.1
29-Dec-24	4:09:30 PM	49.96	254.7	253.3	255.2	81	121.3	114.7	14773	23104	18968	56846	0.716	0.751	0.647	1.2	1.7	1.5	14.9	16.4	14.8
29-Dec-24	4:09:35 PM	49.97	254.7	253.3	255.2	81.3	121.5	115.7	14872	23160	19341	57372	0.718	0.751	0.654	1.2	1.7	1.6	15.3	16.4	14.9
Minimum		49.88	253.6	252.4	254.3	80.6	108.0	110.2	14773	19862	18123	55518	0.72	0.69	0.64	0.90	1.30	1.10	7.80	12.00	10.80
Maximum		50.15	255.9	254.7	256.2	121.8	144.7	133.3	27760	30987	26456	81061	0.89	0.84	0.78	1.40	1.90	1.70	15.50	18.50	15.80
Average		49.99	254.8	253.3	255.1	96.8	124.5	119.8	20209	23872	21442	65523	0.81	0.75	0.70	1.20	1.64	1.40	12.07	15.53	13.21

Load Profile of the TR-2

Date:	Time:	Fre	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	12:10:10 PM	49.99	221.2	246.4	243	25.5	24.2	20.1	5637	3951	2235	11822	0.997	0.661	0.456	8.5	1	1.1	2.9	9.3	7.9
29-Dec-24	12:10:15 PM	49.99	219.6	246.3	243	25.5	24.2	20.1	5592	3948	2235	11776	0.996	0.661	0.456	7.8	1	1.1	3	9.3	7.9
29-Dec-24	12:10:20 PM	49.99	218.6	246.3	243	25.5	24.2	20.1	5557	3947	2235	11739	0.995	0.661	0.457	9.9	1	1.1	3	9.5	7.9
29-Dec-24	12:10:25 PM	49.98	215.9	246.4	243	25.5	24.2	20.1	5484	3951	2234	11669	0.994	0.661	0.456	11.3	1	1.1	2.9	9.3	7.8
29-Dec-24	12:10:30 PM	49.99	220.9	246.5	243.1	26.1	24.8	20.1	5738	4018	2232	11988	0.995	0.656	0.455	9.6	1	1.1	2.9	9.3	7.9
29-Dec-24	12:10:35 PM	50	221.5	246.5	243.1	25.5	24.2	20.1	5640	3947	2235	11823	0.997	0.66	0.457	9	1	1.1	2.9	9.3	7.9
29-Dec-24	12:10:40 PM	50	221	246.4	243	25.5	24.2	20.1	5626	3949	2234	11809	0.996	0.661	0.456	9.5	1	1.1	2.8	9.3	7.8
29-Dec-24	12:10:45 PM	50	219.9	246.5	243	25.5	24.2	20.1	5592	3950	2235	11777	0.995	0.661	0.456	10.3	1	1.1	2.9	9.3	7.8
29-Dec-24	12:10:50 PM	50	226.8	246.6	243.1	25.5	24.2	20.1	5783	3952	2236	11972	0.998	0.661	0.456	7	1	1.1	2.9	9.3	7.8
29-Dec-24	12:10:55 PM	50.01	224.6	246.6	243.1	26.1	24.8	20.1	5853	4019	2234	12106	0.996	0.655	0.456	7.1	1	1.1	2.8	8.9	7.7
29-Dec-24	12:11:00 PM	50.02	225.3	246.4	243	25.5	24.2	20.1	5744	3952	2234	11929	0.998	0.661	0.456	5.4	1	1.1	2.8	9.1	7.7
29-Dec-24	12:11:05 PM	50.02	223.1	246.3	242.9	25.5	24.2	20.1	5678	3943	2231	11852	0.997	0.661	0.456	8.1	1	1.1	2.8	9.2	7.9
29-Dec-24	12:11:10 PM	50.02	222.7	246.3	242.9	25.5	24.2	20.1	5671	3944	2232	11847	0.997	0.661	0.456	7.7	1	1.1	2.9	9.3	7.9
29-Dec-24	12:11:15 PM	50.02	221.2	246.4	242.9	25.8	24.5	20.1	5701	3983	2234	11918	0.995	0.657	0.456	9	1	1.1	2.9	9.4	7.8
29-Dec-24	12:11:20 PM	50.02	220.1	246.8	243.3	29	27.9	20.1	6363	4398	2225	12985	0.995	0.639	0.453	8.2	1	1.1	2.3	8.2	7.8
29-Dec-24	12:11:25 PM	50.02	219.1	246.8	243.3	30.3	29.1	20.1	6636	4572	2220	13427	0.997	0.634	0.453	8.2	1	1.1	1.9	7.6	7.8
29-Dec-24	12:11:30 PM	50.02	215.2	246.8	243.3	30.2	29	20.1	6484	4552	2221	13257	0.996	0.635	0.452	9.9	1	1.1	2	7.7	7.6
29-Dec-24	12:11:35 PM	50.01	213.8	246.8	243.3	30.2	28.9	20.1	6421	4543	2222	13186	0.995	0.636	0.452	10.9	1	1.1	1.9	7.6	7.6
29-Dec-24	12:11:40 PM	50.01	212.5	246.8	243.3	30.1	28.9	20.2	6367	4536	2219	13123	0.994	0.636	0.452	11.6	1	1.1	2	7.7	7.7
29-Dec-24	12:11:45 PM	50.02	211.3	246.8	243.3	30.1	28.9	20.1	6326	4533	2221	13080	0.994	0.636	0.452	12.3	1	1.1	2	7.7	7.6
29-Dec-24	12:11:50 PM	50.02	210.6	246.9	243.4	30.1	28.9	20.1	6302	4533	2218	13053	0.993	0.635	0.452	12.8	1	1.1	2	7.6	7.6
29-Dec-24	12:11:55 PM	50.02	209.8	246.8	243.4	30.1	28.8	20.1	6271	4527	2222	13020	0.993	0.636	0.452	12.9	1	1.1	2	7.6	7.7
29-Dec-24	12:12:00 PM	50.01	209.9	246.9	243.5	30.1	28.8	20.1	6273	4530	2217	13020	0.993	0.636	0.452	13.3	1	1.1	2	7.7	7.5
29-Dec-24	12:12:05 PM	50.01	209.7	247	243.5	30.1	28.8	20.1	6265	4530	2216	13011	0.992	0.636	0.451	13.3	1	1.1	2	7.7	7.5
29-Dec-24	12:12:10 PM	50.01	208.8	247	243.6	30.1	28.8	20.1	6237	4530	2217	12984	0.992	0.636	0.452	13.6	1	1.1	2	7.5	7.5

Date:	Time:	Fre	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	12:12:15 PM	50.02	208.4	247.1	243.6	30.1	28.8	20.1	6223	4531	2218	12972	0.992	0.636	0.452	13.9	1	1.1	2	7.6	7.5
29-Dec-24	12:12:20 PM	50.02	209.9	247.1	243.6	30.1	28.8	20.1	6263	4526	2218	13008	0.992	0.636	0.452	13.8	1	1.1	1.9	7.5	7.4
29-Dec-24	12:12:25 PM	50.02	209.4	247.1	243.6	30.1	28.8	20.1	6249	4530	2218	12996	0.992	0.636	0.452	14	1	1.1	2	7.6	7.4
29-Dec-24	12:12:30 PM	50.02	209.1	247.1	243.6	30.1	28.8	20.1	6246	4535	2224	13004	0.992	0.636	0.452	13.9	1	1.1	1.9	7.5	7.3
29-Dec-24	12:12:35 PM	50.02	220.3	247.1	243.6	30.1	28.8	20.1	6618	4538	2223	13378	0.997	0.636	0.452	7.8	1	1.1	1.9	7.7	7.4
29-Dec-24	12:12:40 PM	50.03	222	247.2	243.6	30.1	28.8	20.1	6677	4538	2222	13437	0.998	0.636	0.452	6.6	1	1.1	1.9	7.6	7.5
29-Dec-24	12:12:45 PM	50.03	221.8	247.2	243.6	30.1	28.8	20.1	6667	4540	2223	13430	0.998	0.636	0.452	6.7	1	1.1	2	7.4	7.4
29-Dec-24	12:12:50 PM	50.03	221.4	247.2	243.6	30.1	28.8	20.1	6655	4541	2221	13417	0.998	0.637	0.452	7	1	1.1	1.9	7.6	7.4
29-Dec-24	12:12:55 PM	50.03	221.1	247.2	243.6	30.1	28.8	20.1	6645	4539	2220	13404	0.998	0.636	0.452	7.1	1	1.1	1.9	7.7	7.4
29-Dec-24	12:13:00 PM	50.03	220.9	247.2	243.6	30.1	28.8	20.1	6645	4543	2224	13411	0.998	0.636	0.452	7.2	1	1.1	2	7.6	7.5
29-Dec-24	12:13:05 PM	50.04	220.8	247.2	243.6	30.1	28.8	20.2	6638	4536	2222	13396	0.998	0.636	0.451	7.2	1	1.1	1.9	7.4	7.5
29-Dec-24	12:13:10 PM	50.04	220.6	247.1	243.5	30.1	28.8	20.1	6632	4537	2218	13387	0.998	0.636	0.452	7.3	1	1.1	1.9	7.6	7.5
29-Dec-24	12:13:15 PM	50.04	220.4	247	243.4	30.1	28.8	20.1	6619	4533	2218	13370	0.998	0.636	0.452	7.4	1	1.1	2	7.6	7.4
29-Dec-24	12:13:20 PM	50.03	220.1	247	243.4	30.1	28.8	20.1	6619	4536	2222	13376	0.998	0.636	0.452	7.4	1	1.1	1.9	7.6	7.5
29-Dec-24	12:13:25 PM	50.03	220.1	247	243.3	30.1	28.8	20.1	6613	4532	2223	13368	0.998	0.636	0.452	7.3	1	1.2	1.9	7.5	7.5
29-Dec-24	12:13:30 PM	50.03	220.1	247	243.4	30.1	28.8	20.1	6609	4532	2222	13364	0.998	0.636	0.452	7.4	1	1.1	2	7.6	7.5
29-Dec-24	12:13:35 PM	50.03	220	247	243.4	30.1	28.8	20.1	6608	4532	2222	13361	0.998	0.636	0.452	7.4	0.9	1.1	1.9	7.6	7.6
29-Dec-24	12:13:40 PM	50.03	219.8	247	243.4	30.1	28.8	20.1	6600	4530	2216	13347	0.998	0.636	0.451	7.3	0.9	1.1	2	7.6	7.5
29-Dec-24	12:13:45 PM	50.03	219.7	247	243.4	30.1	28.8	20.1	6597	4530	2215	13342	0.998	0.636	0.452	7.3	0.9	1.1	2	7.5	7.5
29-Dec-24	12:13:50 PM	50.02	219.8	246.9	243.3	30.1	28.8	20.1	6598	4528	2214	13339	0.998	0.636	0.451	7.4	1	1.1	1.9	7.7	7.5
29-Dec-24	12:13:55 PM	50.02	219.2	246.4	243.5	30.1	28.8	22.5	6585	4532	2440	13557	0.998	0.638	0.446	7.5	1	1.1	1.9	7.5	6.9
29-Dec-24	12:14:00 PM	50.01	218.5	245.8	243.5	30.1	28.8	24.8	6571	4535	2671	13777	0.997	0.64	0.441	7.5	1	1.1	1.9	7.5	6.2
29-Dec-24	12:14:05 PM	50.01	218.8	245.8	243.5	30.1	28.9	24.7	6583	4536	2664	13783	0.997	0.639	0.441	7.6	1	1.2	2	7.7	6.1
29-Dec-24	12:14:10 PM	50.01	218.7	245.8	243.5	30.1	28.8	24.7	6577	4532	2658	13767	0.997	0.639	0.441	7.7	1	1.2	2	7.6	6
29-Dec-24	12:14:15 PM	50	218.6	245.8	243.5	30.1	28.9	24.7	6576	4532	2659	13767	0.997	0.639	0.441	7.7	1	1.1	2	7.7	6
29-Dec-24	12:14:20 PM	50	218.3	245.7	243.4	30.1	28.8	24.8	6563	4529	2668	13760	0.997	0.638	0.441	7.8	1	1.1	1.9	7.6	6.1
29-Dec-24	12:14:25 PM	49.99	218.2	245.7	243.4	30.1	28.9	24.8	6559	4534	2666	13760	0.997	0.639	0.441	7.9	0.9	1.1	2	7.6	6.2
29-Dec-24	12:14:30 PM	49.99	217.9	245.7	243.3	30.1	28.8	24.8	6551	4536	2663	13750	0.997	0.639	0.441	8	1	1.1	1.9	7.9	6.2
29-Dec-24	12:14:35 PM	49.98	217.4	245.6	243.3	30.1	28.8	24.8	6531	4532	2664	13727	0.997	0.639	0.441	8.3	1	1.1	1.9	7.7	6.2
29-Dec-24	12:14:40 PM	49.96	216.8	245.6	243.3	30.1	28.8	24.8	6514	4533	2664	13711	0.997	0.639	0.441	8.5	1	1.1	1.9	7.6	6.1
29-Dec-24	12:14:45 PM	49.96	215.8	245.6	243.2	30.1	28.8	24.8	6485	4535	2665	13685	0.996	0.639	0.441	9.2	1	1.2	2	8.1	6.1
29-Dec-24	12:14:50 PM	49.96	214.4	245.6	243.2	30.1	28.8	24.8	6438	4532	2663	13633	0.996	0.639	0.442	9.1	1	1.1	1.9	7.6	6.1
29-Dec-24	12:14:55 PM	49.96	212.3	245.6	243.2	30.1	28.8	24.7	6363	4530	2656	13549	0.995	0.639	0.441	10.9	1	1.1	1.9	7.6	6.1
29-Dec-24	12:15:00 PM	49.95	212.1	246.3	242.9	30	28.7	21	6338	4518	2302	13157	0.994	0.637	0.45	11.7	1	1.1	2	7.8	7.2
29-Dec-24	12:15:05 PM	49.95	211.3	246.5	242.9	30	28.7	20.1	6310	4512	2215	13038	0.994	0.636	0.452	12.1	1	1.1	1.9	7.4	7.6
29-Dec-24	12:15:10 PM	49.95	212.6	246.5	242.9	30	28.8	20.1	6348	4516	2214	13078	0.993	0.636	0.452	12.3	1	1.1	2	7.8	7.4
29-Dec-24	12:15:15 PM	49.95	213.8	246.6	243	30	28.8	20.1	6388	4516	2219	13123	0.994	0.636	0.453	12.2	1	1.1	1.9	7.5	7.5
29-Dec-24	12:15:20 PM	49.95	214.4	246.6	242.9	30	28.8	20.1	6414	4517	2212	13142	0.995	0.636	0.452	10.4	1	1.1	2	7.7	7.4
29-Dec-24	12:15:25 PM	49.95	212.7	246.5	242.8	30	28.8	20.1	6353	4515	2212	13081	0.994	0.636	0.452	11.7	1	1.2	2	7.9	7.3
29-Dec-24	12:15:30 PM	49.95	211.9	246.5	242.7	30	28.7	20.1	6326	4514	2213	13053	0.993	0.636	0.452	12.7	1	1.1	2	7.6	7.6
29-Dec-24	12:15:35 PM	49.94	211.9	246.5	242.7	30	28.7	20.1	6318	4512	2212	13042	0.993	0.636	0.452	12.6	1	1.2	2	8	7.5
29-Dec-24	12:15:40 PM	49.94	211.7	246.5	242.8	30	28.7	20.1	6314	4514	2215	13043	0.993	0.636	0.452	12.4	1	1.1	2	7.9	7.6

Date:	Time:	Fre	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	12:15:45 PM	49.94	211.5	246.6	242.9	30	28.7	20.1	6308	4514	2212	13034	0.992	0.636	0.452	13.3	1	1.1	1.9	7.7	7.5
29-Dec-24	12:15:50 PM	49.94	211.8	246.6	242.9	30	28.7	20.1	6323	4517	2212	13052	0.993	0.637	0.452	12.4	1	1.1	2	8	7.4
29-Dec-24	12:15:55 PM	49.94	210.8	246.7	242.9	30	28.7	20.1	6287	4517	2212	13015	0.992	0.636	0.452	13.4	1	1.1	2	7.5	7.3
29-Dec-24	12:16:00 PM	49.95	210.7	246.6	242.8	30	28.7	20.1	6281	4515	2212	13008	0.992	0.636	0.452	13.7	1	1.1	2	7.6	7.3
29-Dec-24	12:16:05 PM	49.94	212.1	246.6	242.8	30	28.7	20.1	6336	4515	2214	13065	0.993	0.636	0.452	12.7	1	1.1	2	7.3	7.4
29-Dec-24	12:16:10 PM	49.95	219	246.7	242.9	30	28.7	20.1	6565	4514	2214	13293	0.997	0.636	0.452	7.7	0.9	1.1	2	7.7	7.5
29-Dec-24	12:16:15 PM	49.95	216	246.6	242.8	30	28.7	20.1	6467	4511	2212	13190	0.996	0.636	0.452	9	1	1.1	2.1	7.4	7.6
29-Dec-24	12:16:20 PM	49.95	216.4	246.6	242.9	30	28.7	20.1	6478	4512	2210	13200	0.996	0.636	0.452	9.4	1	1.1	2	7.8	7.5
29-Dec-24	12:16:25 PM	49.94	219.2	246.5	242.8	30	28.7	20.1	6575	4507	2209	13291	0.998	0.636	0.452	6.9	1	1	2.1	7.2	7.7
29-Dec-24	12:16:30 PM	49.94	217.6	246.6	242.9	30	28.7	20.1	6522	4508	2212	13241	0.997	0.636	0.452	7.6	1	1.1	2.1	7.5	7.5
29-Dec-24	12:16:35 PM	49.94	213.6	246.5	242.8	30	28.7	20.1	6388	4507	2210	13105	0.995	0.636	0.452	10.2	1	1.1	2	7.7	7.4
29-Dec-24	12:16:40 PM	49.94	211.8	246.5	242.8	30	28.7	20.1	6334	4510	2212	13055	0.995	0.636	0.452	10.9	1	1.1	2.1	7.8	7.5
29-Dec-24	12:16:45 PM	49.95	211.4	246.6	242.9	30	28.7	20.1	6313	4509	2211	13033	0.994	0.636	0.452	11.4	1	1.1	2	7.7	7.4
29-Dec-24	12:16:50 PM	49.96	220.7	246.4	242.7	26.8	25.4	20.1	5914	4103	2219	12236	0.997	0.654	0.455	8.1	1	1.1	2.7	8.9	7.4
29-Dec-24	12:16:55 PM	49.96	220.6	246.4	242.7	26.8	25.4	20.1	5909	4096	2220	12225	0.998	0.654	0.454	6.5	1	1.1	2.8	8.6	7.4
29-Dec-24	12:17:00 PM	49.97	219.8	246.5	242.8	26.8	25.4	20.1	5888	4103	2222	12213	0.998	0.654	0.455	7	1	1.1	2.7	8.8	7.3
29-Dec-24	12:17:05 PM	49.98	219.4	246.5	242.7	26.8	25.4	20.1	5876	4100	2221	12197	0.997	0.654	0.454	7	1	1.1	2.8	8.8	7.4
29-Dec-24	12:17:10 PM	49.98	218.7	246.4	242.7	26.8	25.4	20.1	5855	4100	2224	12178	0.998	0.654	0.455	7.1	1	1.1	2.8	8.9	7.4
29-Dec-24	12:17:15 PM	49.99	219	246.4	242.7	26.8	25.4	20.1	5858	4103	2226	12186	0.998	0.654	0.455	7.1	1	1.1	2.7	8.7	7.3
29-Dec-24	12:17:20 PM	49.99	218.7	246.5	242.7	26.8	25.4	20.1	5855	4107	2220	12181	0.998	0.655	0.455	7.1	1	1.1	2.7	8.8	7.3
29-Dec-24	12:17:25 PM	50	218.6	246.4	242.8	26.8	25.4	20.1	5851	4102	2223	12176	0.998	0.654	0.455	7.1	1	1.1	2.7	8.7	7.3
29-Dec-24	12:17:30 PM	50	218.8	246.5	242.9	26.8	25.4	20.1	5857	4101	2224	12182	0.998	0.654	0.455	7.1	1	1.1	2.6	8.7	7.3
29-Dec-24	12:17:35 PM	50	218.9	246.5	242.9	26.8	25.4	20.1	5860	4102	2225	12187	0.998	0.654	0.455	7.1	1	1.1	2.6	8.6	7.4
29-Dec-24	12:17:40 PM	50.01	218.7	246.5	242.9	26.8	25.4	20.1	5855	4102	2226	12183	0.998	0.654	0.456	7.1	1	1.1	2.6	8.8	7.3
29-Dec-24	12:17:45 PM	50.01	218.7	246.5	242.8	26.8	25.4	20.1	5852	4101	2228	12181	0.998	0.654	0.456	7.1	1	1.1	2.6	8.8	7.4
29-Dec-24	12:17:50 PM	50.02	218.7	246.5	242.9	26.8	25.4	20.1	5858	4103	2227	12188	0.998	0.654	0.456	7.1	1	1.1	2.7	8.7	7.4
29-Dec-24	12:17:55 PM	50.02	219.5	246.6	243	26.8	25.4	20.1	5878	4099	2224	12200	0.998	0.654	0.456	6.9	1	1.2	2.6	8.7	7.4
29-Dec-24	12:18:00 PM	50.03	219.5	246.5	242.9	26.8	25.4	20.1	5877	4097	2221	12195	0.998	0.654	0.454	7	1	1.1	2.7	8.7	7.3
29-Dec-24	12:18:05 PM	50.03	218.9	246.5	242.9	26.8	25.4	20.1	5865	4094	2223	12183	0.998	0.654	0.455	7	1.1	1.2	2.7	8.9	7.4
29-Dec-24	12:18:10 PM	50.04	219	246.5	242.9	26.8	25.4	20.1	5865	4094	2223	12182	0.998	0.654	0.454	6.9	1	1.2	2.7	8.6	7.2
29-Dec-24	12:18:15 PM	50.04	219	246.5	242.8	26.8	25.4	20.1	5862	4095	2222	12179	0.998	0.655	0.454	6.9	1.1	1.1	2.7	8.6	7.4
29-Dec-24	12:18:20 PM	50.04	219.1	246.6	242.9	26.8	25.4	20.1	5870	4101	2222	12193	0.998	0.654	0.455	6.9	1	1.1	2.6	8.6	7.2
29-Dec-24	12:18:25 PM	50.04	219.6	246.6	242.9	26.8	25.4	20.1	5881	4100	2222	12203	0.998	0.654	0.455	6.9	1.1	1.1	2.6	8.6	7.2
29-Dec-24	12:18:30 PM	50.04	219.8	246.5	242.9	26.8	25.4	20.1	5892	4101	2227	12220	0.998	0.654	0.455	6.9	1.1	1.1	2.6	8.8	7.3
29-Dec-24	12:18:35 PM	50.03	219.7	246.5	242.9	26.8	25.4	20.1	5883	4099	2223	12205	0.998	0.654	0.455	6.9	1.1	1.1	2.7	8.9	7.2
29-Dec-24	12:18:40 PM	50.03	219.8	246.6	243	26.8	25.4	20.1	5889	4098	2224	12211	0.998	0.654	0.455	6.9	1.1	1.1	2.7	8.7	7.2
29-Dec-24	12:18:45 PM	50.03	219.4	246.6	243.1	26.8	25.4	20.1	5882	4101	2228	12210	0.998	0.654	0.456	7	1.1	1.1	2.7	8.6	7.2
29-Dec-24	12:18:50 PM	50.02	219.3	246.6	243.1	26.8	25.4	20.1	5876	4096	2229	12202	0.998	0.653	0.456	6.9	1	1.1	2.7	8.6	7.3
29-Dec-24	12:18:55 PM	50.02	219.2	246.7	243.2	26.8	25.4	20.1	5873	4101	2228	12202	0.998	0.654	0.455	6.9	1	1.1	2.7	8.9	7.2
29-Dec-24	12:19:00 PM	50.03	219.5	246.8	243.3	26.8	25.4	20.1	5879	4100	2226	12205	0.998	0.653	0.455	6.9	1.1	1.1	2.6	8.7	7.2
29-Dec-24	12:19:05 PM	50.04	219.5	246.1	243.3	26.8	25.4	22.6	5890	4107	2524	12522	0.998	0.656	0.457	6.9	1	1.1	2.7	8.6	6.3
29-Dec-24	12:19:10 PM	50.04	219	245.7	243.4	26.9	25.4	24.6	5881	4109	2753	12742	0.998	0.657	0.459	6.8	1	1.1	2.6	8.8	5.7

Date:	Time:	Fre	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	12:19:15 PM	50.04	219	245.6	243.5	26.9	25.4	24.6	5879	4108	2753	12740	0.998	0.657	0.459	6.9	1	1.1	2.7	8.8	5.8
29-Dec-24	12:19:20 PM	50.04	220	245.7	243.5	26.9	25.4	24.6	5908	4114	2748	12770	0.998	0.657	0.459	6.9	1	1.1	2.6	9	5.8
29-Dec-24	12:19:25 PM	50.04	220	245.8	243.5	26.9	25.4	24.6	5910	4114	2749	12772	0.998	0.656	0.459	6.9	1	1.1	2.7	8.8	5.7
29-Dec-24	12:19:30 PM	50.04	219.9	245.8	243.5	26.9	25.4	24.6	5906	4112	2747	12766	0.998	0.657	0.458	6.8	1	1.1	2.7	8.7	5.8
29-Dec-24	12:19:35 PM	50.04	220.3	245.8	243.6	26.9	25.4	24.6	5922	4118	2749	12789	0.998	0.657	0.458	6.9	1	1.1	2.7	8.7	5.8
29-Dec-24	12:19:40 PM	50.04	220.1	245.8	243.5	26.9	25.5	24.6	5920	4121	2748	12789	0.998	0.657	0.458	6.9	1	1.1	2.6	8.8	5.8
29-Dec-24	12:19:45 PM	50.04	220.3	245.9	243.5	26.9	25.5	24.6	5922	4117	2749	12788	0.998	0.657	0.459	6.9	1	1.1	2.6	8.6	5.8
29-Dec-24	12:19:50 PM	50.05	220.4	245.9	243.5	26.9	25.4	24.6	5924	4119	2749	12791	0.998	0.657	0.458	6.9	1	1.1	2.6	8.9	5.8
29-Dec-24	12:19:55 PM	50.05	220.3	245.9	243.5	26.9	25.5	24.6	5933	4126	2749	12807	0.998	0.657	0.459	6.9	1	1.1	2.7	8.9	5.8
29-Dec-24	12:20:00 PM	50.05	220.3	245.9	243.5	26.9	25.4	24.6	5921	4118	2747	12786	0.998	0.658	0.459	6.9	1	1.1	2.7	8.7	5.9
29-Dec-24	12:20:05 PM	50.06	220.3	245.9	243.6	26.9	25.4	24.6	5923	4120	2752	12794	0.998	0.657	0.459	6.9	1	1.1	2.7	8.8	5.9
29-Dec-24	12:20:10 PM	50.06	220.3	245.9	243.6	26.9	25.4	24.6	5918	4115	2751	12784	0.998	0.657	0.459	6.9	1	1.1	2.7	8.8	5.9
29-Dec-24	12:20:15 PM	50.06	220	245.9	243.5	26.9	25.4	24.6	5910	4118	2751	12779	0.998	0.658	0.459	6.9	1	1.1	2.7	8.7	5.8
29-Dec-24	12:20:20 PM	50.05	220	245.9	243.5	26.9	25.4	24.6	5911	4118	2751	12779	0.998	0.657	0.459	6.9	1	1.1	2.7	8.7	5.9
29-Dec-24	12:20:25 PM	50.05	220.1	245.9	243.5	26.9	25.4	24.6	5912	4116	2750	12779	0.998	0.657	0.459	6.9	1	1.2	2.7	8.7	6
29-Dec-24	12:20:30 PM	50.04	220	245.8	243.5	26.9	25.4	24.6	5911	4114	2748	12773	0.998	0.657	0.459	6.9	1	1.1	2.7	8.8	6
29-Dec-24	12:20:35 PM	50.04	220.1	245.9	243.5	26.9	25.4	24.6	5916	4117	2755	12788	0.998	0.657	0.459	6.9	1	1.1	2.8	8.9	5.9
29-Dec-24	12:20:40 PM	50.04	219.8	245.9	243.5	26.9	25.4	24.6	5907	4116	2754	12777	0.998	0.657	0.459	6.9	1	1.2	2.7	8.6	6
29-Dec-24	12:20:45 PM	50.03	219.9	245.9	243.5	26.9	25.4	24.6	5911	4115	2752	12778	0.998	0.657	0.459	6.9	1	1.1	2.7	8.6	5.8
29-Dec-24	12:20:50 PM	50.03	219.9	245.9	243.6	26.9	25.4	24.6	5910	4115	2751	12776	0.998	0.656	0.459	6.9	1	1.2	2.7	8.6	5.8
29-Dec-24	12:20:55 PM	50.03	199.5	245.9	243.6	26.8	25.4	24.6	5312	4118	2746	12176	0.991	0.657	0.457	12.6	1	1.1	2.8	8.6	5.9
29-Dec-24	12:21:00 PM	50.03	198	246	243.7	26.8	25.5	24.6	5273	4121	2748	12142	0.991	0.657	0.458	15.3	1	1.1	2.7	8.7	5.9
29-Dec-24	12:21:05 PM	50.03	196.4	246	243.7	26.8	25.5	24.6	5224	4125	2751	12101	0.99	0.657	0.458	15.1	1	1.2	2.7	8.9	5.9
29-Dec-24	12:21:10 PM	50.03	196.4	246	243.7	26.8	25.5	24.6	5225	4123	2749	12097	0.99	0.657	0.458	15.5	1	1.1	2.6	8.8	5.9
29-Dec-24	12:21:15 PM	50.03	194.8	245.9	243.6	24.8	23.5	24.5	4789	3877	2752	11419	0.988	0.67	0.459	16.4	1	1.2	2.9	9.6	5.8
29-Dec-24	12:21:20 PM	50.02	213.4	245.8	243.5	22.1	20.9	24.6	4695	3538	2765	10998	0.995	0.688	0.461	9	1	1.2	3.4	10.8	5.8
29-Dec-24	12:21:25 PM	50.03	212.7	245.8	243.5	22.1	20.9	24.6	4686	3537	2775	10997	0.997	0.688	0.462	9.8	1	1.2	3.3	10.9	5.9
29-Dec-24	12:21:30 PM	50.02	210	245.7	243.4	22.1	20.9	24.6	4625	3533	2772	10929	0.996	0.688	0.462	10.1	1	1.2	3.3	10.8	5.8
29-Dec-24	12:21:35 PM	50.02	210	245.7	243.5	22.1	20.9	24.6	4628	3535	2777	10941	0.997	0.688	0.463	9.9	1	1.1	3.3	10.9	5.9
29-Dec-24	12:21:40 PM	50.02	209.5	245.7	243.5	22.1	20.8	24.6	4617	3531	2778	10927	0.996	0.689	0.463	10.1	1	1.1	3.3	10.8	5.9
29-Dec-24	12:21:45 PM	50.02	209	245.6	243.5	22.1	20.9	24.6	4604	3530	2780	10914	0.997	0.688	0.463	10.3	1	1.2	3.3	10.9	5.9
29-Dec-24	12:21:50 PM	50.02	208.5	245.6	243.5	22.1	20.9	24.6	4593	3529	2780	10903	0.996	0.688	0.463	10.4	1	1.2	3.4	10.9	6
29-Dec-24	12:21:55 PM	50.01	208	245.7	243.5	22.1	20.9	24.6	4581	3529	2773	10883	0.995	0.688	0.462	10.5	1	1.1	3.4	10.8	6
29-Dec-24	12:22:00 PM	50.01	208.1	245.7	243.5	22.1	20.8	24.6	4583	3527	2776	10887	0.996	0.688	0.463	10.6	1	1.1	3.4	10.8	6
29-Dec-24	12:22:05 PM	50	207.9	245.6	243.5	22.1	20.8	24.6	4580	3528	2766	10875	0.996	0.688	0.462	10.4	1	1.1	3.3	10.9	6
29-Dec-24	12:22:10 PM	50	207.7	245.6	243.5	22.1	20.8	24.5	4573	3525	2766	10864	0.996	0.688	0.462	10.6	1	1.1	3.3	10.8	5.9
29-Dec-24	12:22:15 PM	49.99	207.5	245.6	243.5	22.1	20.8	24.6	4569	3528	2765	10861	0.996	0.688	0.461	10.6	1	1.2	3.3	10.8	6
29-Dec-24	12:22:20 PM	49.99	207.1	245.7	243.5	22.1	20.9	24.5	4561	3529	2762	10853	0.995	0.688	0.461	10.9	1	1.1	3.3	10.6	6
29-Dec-24	12:22:25 PM	49.99	206.7	245.6	243.5	22.1	20.8	24.5	4551	3527	2764	10842	0.996	0.688	0.461	11.2	1	1.1	3.4	10.8	6
29-Dec-24	12:22:30 PM	49.99	205.9	245.7	243.6	22.1	20.9	24.6	4536	3532	2766	10834	0.994	0.688	0.462	11.5	1	1.2	3.4	10.7	6
29-Dec-24	12:22:35 PM	49.99	205.4	245.8	243.6	22.1	20.8	24.5	4522	3535	2764	10821	0.994	0.688	0.461	11.7	1	1.1	3.2	10.6	6.1
29-Dec-24	12:22:40 PM	49.99	204.5	245.9	243.8	22.1	20.9	24.6	4502	3533	2769	10804	0.994	0.688	0.462	12.3	1	1.2	3.2	10.8	6

Date:	Time:	Fre	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	12:22:45 PM	49.99	205.1	245.9	243.8	22.1	20.9	24.6	4510	3535	2768	10814	0.994	0.688	0.461	13.3	1	1.1	3.3	10.8	5.9
29-Dec-24	12:22:50 PM	49.99	206.7	245.9	243.8	22.1	20.9	24.6	4549	3536	2766	10850	0.995	0.688	0.461	11.5	1	1.1	3.4	10.7	5.9
29-Dec-24	12:22:55 PM	49.99	208	246.8	243.5	22	20.8	20.6	4570	3528	2296	10393	0.995	0.685	0.457	12	1	1.2	3.3	10.7	7
29-Dec-24	12:23:00 PM	49.99	202.2	246.9	243.5	22	20.8	20.1	4433	3529	2238	10199	0.993	0.684	0.457	12.7	1	1.2	3.4	10.8	7.3
29-Dec-24	12:23:05 PM	49.99	205.5	246.9	243.5	22.1	20.8	20.1	4514	3528	2238	10280	0.995	0.685	0.457	12.4	1	1.1	3.3	10.8	7.2
29-Dec-24	12:23:10 PM	50	204.3	246.7	243.4	22	20.8	20.1	4481	3523	2236	10240	0.994	0.685	0.457	13.2	1	1.1	3.3	10.8	7.2
29-Dec-24	12:23:15 PM	50.01	202.3	246.8	243.5	22.1	20.8	20.1	4434	3524	2239	10197	0.992	0.685	0.457	13.4	1	1.1	3.3	10.8	7.3
29-Dec-24	12:23:20 PM	50.01	204.1	246.9	243.6	22	20.8	20.1	4474	3526	2241	10241	0.994	0.685	0.457	13.1	1	1.1	3.3	10.6	7.4
29-Dec-24	12:23:25 PM	50.02	210.6	247	243.7	22.1	20.8	20.1	4631	3528	2245	10404	0.996	0.685	0.458	10.6	1	1.2	3.3	10.6	7.3
29-Dec-24	12:23:30 PM	50.02	209.5	246.9	243.6	22.1	20.8	20.1	4609	3528	2241	10378	0.995	0.685	0.458	10.3	1	1.1	3.3	10.8	7.3
29-Dec-24	12:23:35 PM	50.02	211.3	247	243.5	22	20.8	20.1	4649	3528	2242	10418	0.996	0.685	0.458	10	1	1.1	3.4	10.7	7.4
29-Dec-24	12:23:40 PM	50.02	210	247	243.6	22.1	20.8	20.1	4618	3530	2243	10390	0.996	0.685	0.458	10.1	1	1.1	3.4	10.7	7.4
29-Dec-24	12:23:45 PM	50.01	211.1	246.9	243.5	22.1	20.8	20.1	4643	3529	2240	10412	0.996	0.685	0.457	9.9	1	1.1	3.4	10.9	7.3
29-Dec-24	12:23:50 PM	50.01	210.8	246.8	243.4	22	20.8	20.1	4636	3525	2238	10399	0.996	0.685	0.457	10.1	1	1.2	3.4	10.8	7.5
29-Dec-24	12:23:55 PM	50.01	209.7	246.9	243.5	22	20.8	20	4609	3527	2237	10373	0.996	0.686	0.457	10.4	1	1.1	3.4	10.7	7.4
29-Dec-24	12:24:00 PM	50.02	207.2	247	243.6	22.1	20.8	20	4553	3532	2239	10323	0.994	0.686	0.457	11.5	1	1.2	3.4	10.8	7.3
29-Dec-24	12:24:05 PM	50.03	206.5	246.8	243.6	22.1	20.9	21	4546	3533	2265	10345	0.995	0.686	0.442	11.8	1	1.1	3.4	10.6	7.1
29-Dec-24	12:24:10 PM	50.04	205.5	246.9	243.5	22.1	20.8	20.3	4519	3532	2243	10294	0.994	0.685	0.453	12.3	0.9	1.1	3.3	10.7	6.6
29-Dec-24	12:24:15 PM	50.04	205.2	246.9	243.5	22.1	20.8	20.3	4509	3531	2243	10283	0.995	0.685	0.453	12.5	0.9	1.2	3.4	11	6.5
29-Dec-24	12:24:20 PM	50.04	205.1	246.8	243.5	22.1	20.8	20.3	4501	3530	2245	10276	0.993	0.685	0.453	12.4	0.9	1.2	3.2	10.7	6.5
29-Dec-24	12:24:25 PM	50.04	205	246.8	243.5	22.1	20.8	20.3	4501	3529	2244	10273	0.994	0.685	0.453	12.5	1	1.2	3.3	10.9	6.5
29-Dec-24	12:24:30 PM	50.04	204.5	246.8	243.5	22.1	20.8	20.3	4490	3529	2243	10261	0.994	0.685	0.453	12.7	1	1.1	3.5	10.7	6.4
29-Dec-24	12:24:35 PM	50.04	204.2	246.9	243.6	22.1	20.8	20.3	4482	3534	2247	10263	0.993	0.685	0.453	12.9	1	1.1	3.3	11.2	6.5
29-Dec-24	12:24:40 PM	50.05	203.5	246.9	243.6	22.1	20.8	20.3	4465	3533	2244	10243	0.993	0.685	0.453	13.4	1	1.1	3.3	10.9	6.5
29-Dec-24	12:24:45 PM	50.06	203	247	243.6	22.1	20.8	20.3	4452	3533	2244	10229	0.992	0.685	0.453	14	1	1.2	3.4	11.2	6.4
29-Dec-24	12:24:50 PM	50.06	201.7	247	243.6	22.1	20.8	20.3	4419	3535	2245	10199	0.992	0.686	0.453	14.6	1	1.2	3.4	10.7	6.4
29-Dec-24	12:24:55 PM	50.06	207.8	247.1	243.6	22.1	20.8	20.3	4561	3537	2246	10345	0.993	0.686	0.453	12.5	1	1.1	3.3	10.9	6.5
29-Dec-24	12:25:00 PM	50.06	209.1	247	243.6	22.1	20.8	20.3	4593	3541	2248	10381	0.993	0.686	0.453	12.5	1	1.1	3.4	10.7	6.5
29-Dec-24	12:25:05 PM	50.07	209.6	247	243.5	22.1	20.8	20.3	4605	3539	2247	10391	0.993	0.686	0.453	12.2	1	1.2	3.3	11	6.5
29-Dec-24	12:25:10 PM	50.07	206.5	247.1	243.5	22.1	20.9	20.3	4538	3540	2245	10324	0.994	0.686	0.453	12.3	1	1.1	3.3	10.6	6.4
29-Dec-24	12:25:15 PM	50.06	206.7	247.1	243.6	22.1	20.9	20.3	4541	3544	2245	10330	0.993	0.686	0.453	11.9	1	1.1	3.2	11	6.5
29-Dec-24	12:25:20 PM	50.06	204.7	247	243.5	22.1	20.9	20.3	4491	3542	2247	10280	0.993	0.686	0.454	13.4	1	1.1	3.3	10.4	6.6
29-Dec-24	12:25:25 PM	50.06	208.8	247.1	243.5	22.1	20.9	20.3	4592	3542	2246	10380	0.994	0.686	0.453	10.6	1	1.2	3.4	11	6.5
29-Dec-24	12:25:30 PM	50.06	205.2	247	243.5	22.1	20.9	20.3	4501	3540	2244	10285	0.993	0.686	0.453	13	1	1.1	3.4	10.8	6.5
29-Dec-24	12:25:35 PM	50.05	207.3	247	243.4	22.1	20.9	20.3	4557	3547	2243	10347	0.994	0.686	0.453	11.9	1	1.2	3.3	10.8	6.5
29-Dec-24	12:25:40 PM	50.05	205.2	247	243.4	22.1	20.9	20.3	4504	3545	2243	10292	0.993	0.687	0.453	13.4	1	1.1	3.3	10.9	6.5
29-Dec-24	12:25:45 PM	50.04	205.6	246.9	243.3	22.1	20.9	20.3	4507	3542	2240	10289	0.992	0.686	0.453	13.7	1	1.2	3.2	10.9	6.6
29-Dec-24	12:25:50 PM	50.03	205.8	246.9	243.3	22	20.9	20.3	4509	3542	2239	10291	0.992	0.687	0.453	13.1	1	1.2	3.2	10.9	6.5
29-Dec-24	12:25:55 PM	50.02	205.2	246.9	243.3	22.1	20.9	20.3	4493	3541	2240	10274	0.991	0.686	0.453	14.3	1	1.2	3.4	11	6.5
29-Dec-24	12:26:00 PM	50.01	203.2	246.9	243.3	22.1	20.8	20.3	4458	3542	2239	10240	0.992	0.687	0.453	13.6	1	1.1	3.3	11	6.4
29-Dec-24	12:26:05 PM	50.01	204.1	246.8	243.3	22	20.8	20.3	4474	3540	2238	10252	0.992	0.687	0.453	13.6	1	1.1	3.3	11	6.4
29-Dec-24	12:26:10 PM	50.01	207.4	246.8	243.2	22.1	20.9	20.3	4560	3550	2239	10348	0.992	0.688	0.453	12.9	1	1.2	3.5	11	6.4

Date:	Time:	Fre	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	12:26:15 PM	50.01	213.4	246.8	243.2	22.1	20.9	20.3	4698	3548	2238	10484	0.994	0.688	0.452	11.9	1	1.1	3.6	10.9	6.4
29-Dec-24	12:26:20 PM	50	212.9	246.9	243.3	22.1	20.8	20.3	4672	3540	2240	10451	0.994	0.687	0.453	12.2	1	1.1	3.2	10.9	6.5
29-Dec-24	12:26:25 PM	50	211.2	247	243.4	22	20.8	20.3	4635	3541	2240	10417	0.994	0.687	0.453	11.9	0.9	1.1	3.3	11	6.5
29-Dec-24	12:26:30 PM	50.01	211.7	247	243.4	22.1	20.9	20.3	4646	3545	2239	10431	0.993	0.687	0.452	12.2	1	1.1	3.3	10.9	6.5
29-Dec-24	12:26:35 PM	50.02	213.2	247.1	243.4	22.1	20.9	20.3	4684	3547	2244	10475	0.993	0.687	0.453	12.2	1	1.1	3.3	11	6.5
29-Dec-24	12:26:40 PM	50.02	212.5	247	243.4	22.1	20.9	20.3	4675	3547	2243	10466	0.994	0.687	0.452	11.1	1	1.1	3.4	11	6.6
29-Dec-24	12:26:45 PM	50.03	211.7	247.1	243.5	22.1	20.9	20.3	4655	3546	2238	10439	0.994	0.687	0.452	12.1	1	1.1	3.4	10.9	6.7
29-Dec-24	12:26:50 PM	50.03	213	247.1	243.5	22.1	20.9	20.3	4686	3547	2241	10473	0.994	0.686	0.452	10.7	1	1.1	3.4	11	6.6
29-Dec-24	12:26:55 PM	50.03	217	247.1	243.6	22.1	20.9	20.3	4781	3547	2242	10570	0.996	0.686	0.452	8.9	1	1.1	3.4	10.8	6.6
29-Dec-24	12:27:00 PM	50.03	214.6	247.2	243.6	22.1	20.9	20.3	4725	3548	2241	10514	0.995	0.686	0.452	10.8	1	1.1	3.3	11.1	6.6
29-Dec-24	12:27:05 PM	50.03	217.8	247.2	243.7	22.1	20.9	20.3	4803	3546	2243	10593	0.997	0.686	0.453	8.6	1	1.2	3.4	10.9	6.5
29-Dec-24	12:27:10 PM	50.04	214.7	247.2	243.7	22.1	20.9	20.3	4726	3547	2247	10520	0.994	0.686	0.453	8.9	1	1.1	3.3	11	6.5
29-Dec-24	12:27:15 PM	50.04	210	247.2	243.7	22.1	20.9	20.3	4623	3549	2247	10419	0.993	0.686	0.453	11.8	1	1.1	3.3	10.8	6.5
29-Dec-24	12:27:20 PM	50.04	206.6	247.2	243.7	22.1	20.9	20.3	4546	3548	2245	10339	0.993	0.685	0.453	13.5	1	1.1	3.3	10.9	6.5
29-Dec-24	12:27:25 PM	50.04	211.1	247.1	243.6	22.1	20.9	20.3	4650	3543	2247	10441	0.996	0.685	0.453	9.7	1	1.2	3.2	11	6.5
29-Dec-24	12:27:30 PM	50.04	210.7	247	243.6	22.1	20.9	20.3	4642	3542	2247	10431	0.995	0.686	0.453	9.8	1	1.1	3.3	11	6.6
29-Dec-24	12:27:35 PM	50.03	210.3	247.1	243.7	22.1	20.9	20.3	4634	3542	2245	10421	0.996	0.685	0.453	10	1	1.1	3.3	11	6.5
29-Dec-24	12:27:40 PM	50.03	210	247.1	243.7	22.1	20.9	20.3	4629	3544	2248	10420	0.997	0.685	0.453	10.1	1	1.1	3.3	11	6.6
29-Dec-24	12:27:45 PM	50.03	209.5	247.2	243.7	22.1	20.9	20.3	4617	3547	2246	10410	0.995	0.685	0.453	10.4	1	1.1	3.4	11.2	6.5
29-Dec-24	12:27:50 PM	50.03	209.1	247.2	243.7	22.1	20.9	20.3	4605	3543	2246	10393	0.995	0.686	0.453	10.7	1	1.2	3.2	11.1	6.5
29-Dec-24	12:27:55 PM	50.03	208.9	247.2	243.7	22.1	20.9	20.3	4602	3544	2245	10390	0.995	0.685	0.453	10.8	1	1.2	3.3	11	6.6
29-Dec-24	12:28:00 PM	50.03	208.7	247.2	243.6	22.1	20.9	20.3	4595	3542	2243	10380	0.995	0.686	0.452	10.9	1	1.1	3.4	11	6.7
29-Dec-24	12:28:05 PM	50.02	208.5	247.1	243.6	22.1	20.9	20.3	4592	3543	2244	10379	0.995	0.686	0.453	11	0.9	1.2	3.3	11	6.6
29-Dec-24	12:28:10 PM	50.02	208.3	247.2	243.6	22.1	20.9	20	4586	3543	2212	10340	0.995	0.685	0.451	11.1	1	1.1	3.3	10.8	6.6
29-Dec-24	12:28:15 PM	50.01	208.1	247.3	243.7	22.1	20.9	19.9	4582	3543	2179	10305	0.995	0.685	0.449	11.2	1	1.2	3.3	11.3	6.6
29-Dec-24	12:28:20 PM	50.02	207.2	247.4	243.8	22.1	20.9	19.9	4560	3543	2179	10283	0.995	0.685	0.449	11.7	1	1.1	3.4	10.9	6.6
29-Dec-24	12:28:25 PM	50.02	204.9	247.4	243.8	22.1	20.9	19.9	4512	3550	2186	10247	0.993	0.685	0.449	12.9	1	1.1	3.3	10.8	6.8
29-Dec-24	12:28:30 PM	50.03	204.4	247.3	243.9	22.1	20.9	19.9	4495	3545	2187	10226	0.992	0.685	0.449	13.8	1	1.2	3.3	11.2	6.7
29-Dec-24	12:28:35 PM	50.03	205.8	247.3	243.8	22.1	20.9	19.9	4524	3543	2181	10248	0.993	0.685	0.449	13.3	1	1.2	3.2	11	6.7
29-Dec-24	12:28:40 PM	50.02	211.1	247.3	243.7	22.1	20.9	19.9	4648	3545	2178	10371	0.994	0.685	0.449	11	1	1.1	3.2	11	6.6
29-Dec-24	12:28:45 PM	50.02	209.5	247.3	243.8	22.1	20.9	19.9	4616	3549	2177	10342	0.994	0.685	0.449	12	1	1.2	3.3	11.1	6.7
29-Dec-24	12:28:50 PM	50.01	209.5	247.3	243.8	22.1	20.9	19.9	4617	3546	2178	10342	0.994	0.685	0.449	12	1	1.1	3.3	11	6.6
29-Dec-24	12:28:55 PM	50.01	209.6	247.3	243.9	22.1	20.9	19.9	4623	3549	2182	10354	0.994	0.685	0.449	11.9	1	1.2	3.3	10.9	6.8
29-Dec-24	12:29:00 PM	50.02	209.8	247.4	243.9	22.1	20.9	19.9	4622	3548	2179	10349	0.994	0.685	0.449	11.7	1	1.2	3.3	11	6.7
29-Dec-24	12:29:05 PM	50.02	209.6	247.4	243.8	22.1	20.9	19.9	4625	3549	2178	10353	0.994	0.684	0.449	11.7	0.9	1.1	3.3	11.1	6.6
29-Dec-24	12:29:10 PM	50.01	209.5	247.4	243.8	22.1	20.9	19.9	4616	3545	2177	10338	0.994	0.685	0.448	11.8	0.9	1.2	3.3	11.1	6.8
29-Dec-24	12:29:15 PM	50.01	209.4	247.3	243.7	22.1	20.9	19.9	4609	3541	2175	10325	0.995	0.685	0.448	11.9	1	1.1	3.3	10.9	6.7
29-Dec-24	12:29:20 PM	50	209.3	247.4	243.8	22.2	20.9	19.9	4618	3549	2176	10343	0.994	0.685	0.449	12	0.9	1.1	3.3	10.9	6.7
Minimum		49.94	194.8	245.6	242.7	22	20.8	17.2	4419	3523	1865	9980	0.988	0.634	0.441	5.4	0.9	1	1.9	7.2	5.7
Maximum		50.07	226.8	247.8	243.9	30.3	29.1	24.8	6677	4572	2780	13783	0.998	0.689	0.463	16.4	1.1	1.2	3.6	11.3	7.9
Average		50.01	213.1	246.6	243.3	25.58	24.28	21.20	5447	3965	2346	11757	1.00	0.66	0.45	10.10	1.00	1.12	2.78	9.41	6.84

Load Profile of the TR-3

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:16:38 PM	50.1	250.1	250.3	217.8	86.3	59.4	113.2	20436	13453	24079	57968	0.947	0.904	0.977	1	0.9	7.2	3.2	3.2	2
29-Dec-24	1:16:39 PM	50.1	250.1	250.3	216.8	86.3	59.4	113.2	20437	13453	23959	57850	0.947	0.904	0.976	0.9	0.9	7.7	3.3	3.1	2.1
29-Dec-24	1:16:40 PM	50.1	250.1	250.3	216.5	86.3	59.4	113.2	20436	13449	23902	57788	0.947	0.904	0.975	1	0.9	8.3	3.2	3.2	2.1
29-Dec-24	1:16:41 PM	50.1	250.1	250.3	217.5	86.3	59.4	113.2	20434	13449	24005	57888	0.947	0.904	0.975	1	0.9	8.3	3.2	3.2	2
29-Dec-24	1:16:42 PM	50.09	250.1	250.3	219.3	86.3	59.4	113.2	20438	13457	24223	58118	0.947	0.904	0.976	0.9	0.9	8.2	3.2	3.2	2
29-Dec-24	1:16:43 PM	50.09	250.1	250.3	223.4	86.3	59.4	113.2	20445	13452	24739	58636	0.947	0.904	0.978	1	0.9	4.7	3.2	3.2	1.9
29-Dec-24	1:16:44 PM	50.09	250.1	250.3	222.5	86.3	59.4	113.1	20444	13448	24621	58512	0.947	0.904	0.978	1	0.8	4.8	3.2	3	2
29-Dec-24	1:16:45 PM	50.09	250.2	250.3	221.2	86.3	59.4	113.1	20453	13450	24472	58374	0.947	0.904	0.978	1	0.9	5.2	3.2	3.2	2
29-Dec-24	1:16:46 PM	50.09	250.2	250.3	221.1	86.3	59.4	113.1	20445	13446	24460	58351	0.947	0.904	0.978	1	0.9	5.3	3.2	3.1	2
29-Dec-24	1:16:47 PM	50.09	250.1	250.3	219.7	86.3	59.4	113.1	20439	13451	24297	58187	0.947	0.904	0.978	1	0.9	5.8	3.2	3.2	2
29-Dec-24	1:16:48 PM	50.09	250.1	250.3	219	86.3	59.4	113.2	20445	13452	24229	58126	0.947	0.904	0.978	1	0.9	6.2	3.2	3.2	2
29-Dec-24	1:16:49 PM	50.09	250.1	250.3	218.5	86.3	59.4	113.2	20447	13449	24167	58063	0.947	0.904	0.977	0.9	0.9	6.6	3.3	3.1	2
29-Dec-24	1:16:50 PM	50.1	250.1	250.3	218	86.3	59.4	113.2	20444	13451	24111	58006	0.947	0.904	0.977	1	0.9	6.7	3.2	3.2	1.9
29-Dec-24	1:16:51 PM	50.1	250.1	250.3	217.1	86.3	59.4	113.2	20436	13452	24009	57898	0.947	0.904	0.977	1	0.9	7.1	3.3	3.2	1.9
29-Dec-24	1:16:52 PM	50.1	250	250.3	216.4	86.3	59.4	113.1	20437	13454	23931	57822	0.947	0.904	0.977	0.9	0.9	7.3	3.2	3.1	2
29-Dec-24	1:16:53 PM	50.1	250	250.3	216.1	86.2	59.4	108.8	20417	13449	22939	56805	0.947	0.905	0.975	1	0.9	7.6	3.2	3.2	2
29-Dec-24	1:16:54 PM	50.1	250.1	250.3	215.5	86.2	59.4	111.4	20430	13452	23420	57303	0.947	0.904	0.976	1	0.9	7.8	3.3	3.1	1.9
29-Dec-24	1:16:55 PM	50.1	250	250.3	214.9	86.3	59.4	111.6	20434	13451	23415	57300	0.947	0.904	0.976	1	0.8	8	3.3	3.1	2
29-Dec-24	1:16:56 PM	50.1	250	250.3	214.4	86.3	59.4	111.6	20430	13450	23364	57243	0.947	0.904	0.976	0.9	0.9	8.1	3.3	3.1	1.9
29-Dec-24	1:16:57 PM	50.1	250	250.2	213.9	86.2	59.4	111.7	20428	13446	23310	57185	0.947	0.905	0.976	0.9	0.9	8.4	3.2	3.1	2
29-Dec-24	1:16:58 PM	50.1	250	250.2	213.5	86.2	59.4	111.7	20428	13450	23260	57138	0.947	0.904	0.976	0.9	0.9	8.6	3.2	3.2	1.9
29-Dec-24	1:16:59 PM	50.1	250	250.2	213.2	86.2	59.4	111.7	20420	13450	23231	57102	0.947	0.904	0.976	0.9	0.8	8.6	3.2	3.1	1.9
29-Dec-24	1:17:00 PM	50.1	249.9	250.2	212.9	86.2	59.4	111.6	20420	13448	23186	57055	0.947	0.905	0.975	0.9	0.9	8.8	3.2	3.1	1.9
29-Dec-24	1:17:01 PM	50.1	250	250.2	214.8	86.3	59.4	111.7	20432	13446	23406	57283	0.947	0.904	0.976	0.9	0.8	8.2	3.3	3.1	2
29-Dec-24	1:17:02 PM	50.1	250	250.2	214	86.3	59.4	111.7	20429	13440	23321	57190	0.947	0.905	0.976	0.9	0.9	8	3.2	3.1	2
29-Dec-24	1:17:03 PM	50.09	250	250.2	218.5	86.3	59.4	111.6	20427	13440	23830	57697	0.947	0.905	0.977	0.9	0.9	5.9	3.3	3.1	2
29-Dec-24	1:17:04 PM	50.09	249.9	250.1	214.4	86.2	59.4	111.6	20422	13442	23354	57218	0.947	0.905	0.976	0.9	0.9	7.8	3.2	3.1	2.1
29-Dec-24	1:17:05 PM	50.09	250	250.2	220.5	86.3	59.4	111.7	20426	13447	24049	57922	0.947	0.905	0.977	0.9	0.9	4.9	3.2	3.2	2
29-Dec-24	1:17:06 PM	50.09	250	250.3	220.5	86.2	59.4	111.7	20422	13446	24049	57916	0.947	0.904	0.977	0.9	0.8	7	3.3	3.1	1.9
29-Dec-24	1:17:07 PM	50.09	250	250.2	221.3	86.2	59.4	111.7	20424	13448	24147	58018	0.947	0.905	0.977	0.9	0.8	5.3	3.3	3.1	2.1
29-Dec-24	1:17:08 PM	50.09	250	250.2	220.1	86.2	59.4	111.7	20420	13449	24009	57878	0.947	0.905	0.977	0.9	0.8	5.8	3.3	3.2	2
29-Dec-24	1:17:09 PM	50.09	249.9	250.2	218.4	86.2	59.4	111.7	20411	13455	23806	57673	0.947	0.905	0.976	0.9	0.8	6.8	3.3	3.1	2
29-Dec-24	1:17:10 PM	50.09	249.9	250.2	218.5	86.2	59.5	112.7	20419	13460	24035	57913	0.947	0.905	0.976	0.9	0.8	8.2	3.4	3.2	2
29-Dec-24	1:17:11 PM	50.09	249.9	250.2	218.2	86.3	59.5	112.7	20424	13461	24001	57886	0.947	0.905	0.976	0.9	0.8	6.2	3.3	3.2	2
29-Dec-24	1:17:12 PM	50.09	249.8	250.2	216.2	86.2	59.4	107	20407	13448	22493	56348	0.948	0.905	0.972	0.9	0.8	8.3	3.4	3.3	2.2
29-Dec-24	1:17:13 PM	50.1	249.9	250.2	222.2	86.2	59.4	110.2	20407	13455	23894	57755	0.947	0.905	0.976	0.9	0.8	7.3	3.4	3.1	2
29-Dec-24	1:17:14 PM	50.1	249.7	250.1	223.9	86.1	59.4	102.2	20376	13437	22237	56050	0.948	0.905	0.972	0.9	0.8	4.6	3.3	3.1	2.3
29-Dec-24	1:17:15 PM	50.1	249.7	250.1	223.3	86.1	59.4	101	20379	13435	21910	55724	0.948	0.905	0.972	0.9	0.8	4.9	3.3	3.2	2.3
29-Dec-24	1:17:16 PM	50.1	249.6	250.1	222.7	86	59.3	101	20368	13428	21852	55647	0.948	0.905	0.972	0.9	0.8	5.1	3.3	3	2.3

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:17:17 PM	50.09	249.6	250.1	221.7	86.1	59.3	100.9	20373	13432	21737	55542	0.948	0.905	0.971	0.9	0.8	5.5	3.4	3.1	2.3
29-Dec-24	1:17:18 PM	50.09	249.6	250.1	220.3	86	59.3	100.9	20357	13427	21589	55373	0.948	0.905	0.971	0.9	0.8	6.3	3.4	3.1	2.3
29-Dec-24	1:17:19 PM	50.09	249.5	250	219.4	86	59.4	100.9	20361	13428	21494	55283	0.948	0.905	0.971	0.9	0.8	6.6	3.4	3.2	2.3
29-Dec-24	1:17:20 PM	50.09	249.6	250.1	216.9	86	59.3	100.9	20366	13423	21207	54996	0.948	0.905	0.969	0.9	0.8	7.9	3.4	3.1	2.2
29-Dec-24	1:17:21 PM	50.09	249.6	250.1	218	86	59.3	100.8	20365	13428	21308	55102	0.948	0.905	0.969	0.9	0.8	9	3.5	3.1	2.3
29-Dec-24	1:17:22 PM	50.09	249.6	250.1	227.2	86	59.3	100.8	20366	13430	22246	56041	0.948	0.905	0.971	0.9	0.8	3.4	3.4	3	2.3
29-Dec-24	1:17:23 PM	50.09	249.6	250.1	226.8	86.1	59.4	100.7	20371	13432	22192	55996	0.948	0.905	0.972	0.9	0.8	3.6	3.4	3.1	2.3
29-Dec-24	1:17:24 PM	50.09	249.7	250.2	226.5	86	59.3	100.7	20371	13428	22154	55953	0.948	0.904	0.971	0.9	0.8	3.6	3.4	3.1	2.3
29-Dec-24	1:17:25 PM	50.09	249.9	250.2	226.3	86	59.3	100.6	20377	13424	22125	55926	0.948	0.904	0.972	0.9	0.8	3.7	3.3	3.1	2.3
29-Dec-24	1:17:26 PM	50.09	249.8	250.2	226	86.1	59.3	100.6	20382	13420	22078	55880	0.948	0.904	0.972	0.9	0.8	3.8	3.3	3.1	2.3
29-Dec-24	1:17:27 PM	50.09	249.8	250.2	225.2	86.1	59.3	100.5	20386	13420	22005	55811	0.948	0.904	0.972	0.9	0.8	3.8	3.3	3.1	2.4
29-Dec-24	1:17:28 PM	50.09	249.7	250.2	224.8	86	59.3	100.5	20365	13425	21966	55756	0.948	0.904	0.972	1	0.8	3.9	3.3	3.1	2.4
29-Dec-24	1:17:29 PM	50.09	249.7	250.2	224.5	86	59.4	100.5	20368	13433	21924	55725	0.948	0.904	0.972	0.9	0.8	4	3.3	3.1	2.3
29-Dec-24	1:17:30 PM	50.09	249.7	250.2	224.1	86	59.4	100.6	20358	13432	21892	55682	0.948	0.905	0.971	0.9	0.8	4.1	3.4	3.1	2.3
29-Dec-24	1:17:31 PM	50.09	249.6	250.2	223.7	86	59.4	100.5	20361	13433	21857	55651	0.948	0.904	0.972	0.9	0.8	4.3	3.4	3.1	2.3
29-Dec-24	1:17:32 PM	50.1	249.6	250.2	223.2	86	59.4	100.5	20355	13433	21801	55589	0.948	0.905	0.972	0.9	0.8	4.4	3.4	3	2.2
29-Dec-24	1:17:33 PM	50.1	249.7	250.2	222.6	86	59.4	100.5	20362	13432	21738	55531	0.948	0.904	0.972	0.9	0.8	4.7	3.3	3.1	2.3
29-Dec-24	1:17:34 PM	50.1	249.8	250.2	222.1	86	59.3	100.5	20369	13425	21690	55484	0.948	0.904	0.972	0.9	0.8	5	3.4	3.1	2.2
29-Dec-24	1:17:35 PM	50.1	249.8	250.2	221.5	86	59.4	100.5	20371	13430	21627	55428	0.948	0.904	0.972	1	0.8	5.2	3.2	3.1	2.3
29-Dec-24	1:17:36 PM	50.09	249.8	250.2	221	86	59.3	100.5	20370	13433	21586	55388	0.948	0.904	0.971	0.9	0.8	5.4	3.4	3.1	2.2
29-Dec-24	1:17:37 PM	50.09	249.8	250.2	220.6	85.9	59.3	100.4	20355	13425	21529	55310	0.948	0.904	0.971	1	0.8	5.5	3.4	3.1	2.2
29-Dec-24	1:17:38 PM	50.09	249.8	250.2	220.1	85.9	59.3	100.4	20355	13422	21466	55244	0.948	0.904	0.971	0.9	0.8	5.7	3.3	3.2	2.1
29-Dec-24	1:17:39 PM	50.09	249.8	250.1	219.5	86	59.3	100.4	20364	13425	21400	55188	0.948	0.904	0.971	0.9	0.8	5.9	3.2	3.1	2.1
29-Dec-24	1:17:40 PM	50.09	249.8	250.1	218.8	86	59.3	100.4	20378	13422	21326	55126	0.948	0.905	0.971	1	0.8	6.2	3.4	3.1	2.1
29-Dec-24	1:17:41 PM	50.09	249.8	250.1	217.7	86	59.3	100.4	20363	13405	21219	54987	0.948	0.904	0.971	0.9	0.7	6.5	3.4	3	2.2
29-Dec-24	1:17:42 PM	50.09	249.8	250.1	217.2	85.9	59.3	100.4	20353	13412	21169	54935	0.948	0.905	0.971	1	0.7	6.8	3.3	3.1	2.2
29-Dec-24	1:17:43 PM	50.09	249.8	250	217	85.9	59.3	100.4	20347	13408	21145	54899	0.948	0.904	0.971	1	0.7	6.9	3.3	3.1	2.2
29-Dec-24	1:17:44 PM	50.08	249.8	250	216.7	85.9	59.3	100.3	20343	13407	21115	54865	0.948	0.904	0.971	0.9	0.7	7.1	3.3	3.1	2.3
29-Dec-24	1:17:45 PM	50.08	249.8	250	216.2	85.9	59.3	100.4	20351	13404	21070	54826	0.948	0.904	0.971	1	0.7	7.2	3.2	3.1	2.2
29-Dec-24	1:17:46 PM	50.08	249.7	250	214.9	86	59.3	100.4	20366	13406	20928	54700	0.948	0.905	0.97	1	0.7	7.7	3.4	3	2.2
29-Dec-24	1:17:47 PM	50.08	249.6	250	213.7	86	59.3	100.3	20362	13404	20794	54560	0.948	0.905	0.97	1	0.7	8.2	3.5	3	2.1
29-Dec-24	1:17:48 PM	50.08	249.6	249.9	214.1	85.9	59.3	100.3	20333	13404	20817	54554	0.948	0.905	0.969	1	0.7	9.4	3.4	3.2	2.2
29-Dec-24	1:17:49 PM	50.07	249.7	250	217.1	86	59.3	100.3	20351	13408	21116	54876	0.948	0.904	0.97	1	0.7	8.5	3.3	3.1	2.2
29-Dec-24	1:17:50 PM	50.07	249.7	250	219.9	86	59.3	100.3	20363	13402	21431	55196	0.948	0.904	0.971	1	0.7	5.4	3.4	3	2.2
29-Dec-24	1:17:51 PM	50.07	249.6	250	219.5	86	59.3	100.3	20360	13405	21398	55163	0.948	0.904	0.972	1	0.7	5.7	3.5	3.1	2.2
29-Dec-24	1:17:52 PM	50.07	249.6	250.1	216.4	86	59.3	100.4	20367	13413	21077	54857	0.948	0.905	0.97	1	0.7	8.6	3.5	3.2	2.2
29-Dec-24	1:17:53 PM	50.08	249.6	250.1	216.8	86	59.3	100.3	20361	13412	21094	54866	0.948	0.904	0.97	1	0.7	8.9	3.4	3.1	2.1
29-Dec-24	1:17:54 PM	50.07	249.7	250	214.9	86	59.2	97.6	20356	13398	20303	54058	0.948	0.904	0.969	1	0.7	7.9	3.5	3.1	2.3
29-Dec-24	1:17:55 PM	50.07	249.7	250	214.9	85.9	59.3	97.6	20331	13396	20316	54044	0.948	0.904	0.969	1	0.8	8.9	3.3	3	2.3
29-Dec-24	1:17:56 PM	50.07	249.7	250	217.4	85.9	59.3	97.6	20332	13397	20573	54301	0.948	0.904	0.969	1	0.8	6.1	3.3	3.1	2.4
29-Dec-24	1:17:57 PM	50.07	249.7	250	214.7	85.9	59.3	97.6	20325	13398	20317	54040	0.948	0.904	0.969	1	0.8	7.2	3.2	3.1	2.4
29-Dec-24	1:17:58 PM	50.08	249.7	250	220.2	85.9	59.3	98	20330	13405	20905	54640	0.948	0.905	0.969	1	0.8	3.6	3.4	3	2.7

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:17:59 PM	50.08	249.6	250	221.8	85.9	59.3	98	20322	13400	21084	54806	0.948	0.905	0.97	1	0.8	4.7	3.3	3.1	2.7
29-Dec-24	1:18:00 PM	50.08	249.6	249.9	220.2	85.9	59.3	97.9	20317	13403	20924	54644	0.948	0.905	0.97	1	0.8	5.2	3.2	3.2	2.7
29-Dec-24	1:18:01 PM	50.08	249.5	249.9	217	85.8	59.3	97.9	20310	13399	20586	54295	0.948	0.905	0.969	1	0.8	6.3	3.3	3.2	2.6
29-Dec-24	1:18:02 PM	50.07	249.6	249.9	216.5	85.8	59.2	97.9	20321	13389	20518	54228	0.948	0.904	0.968	1	0.7	8.7	3.2	3.2	2.5
29-Dec-24	1:18:03 PM	50.08	249.7	250	217	85.9	59.2	97.9	20329	13390	20565	54284	0.948	0.904	0.968	1	0.9	7.4	3.2	3.1	2.6
29-Dec-24	1:18:04 PM	50.08	249.7	250	217.6	85.8	59.2	97.9	20320	13388	20646	54355	0.948	0.904	0.969	0.9	0.9	6.3	3.3	3.2	2.5
29-Dec-24	1:18:05 PM	50.08	249.6	250	217.1	85.8	59.2	97.9	20312	13393	20623	54329	0.948	0.905	0.97	1	0.8	6.1	3.2	3.1	2.6
29-Dec-24	1:18:06 PM	50.08	249.6	250	214.8	85.8	59.2	95.2	20313	13393	19795	53500	0.948	0.905	0.968	1	0.8	7.2	3.2	3.2	2.7
29-Dec-24	1:18:07 PM	50.08	249.6	250	213.3	85.8	59.2	94	20309	13397	19387	53093	0.948	0.905	0.967	1	0.7	7.8	3.3	3.2	2.6
29-Dec-24	1:18:08 PM	50.08	249.6	250	212.4	85.9	59.2	94	20321	13399	19282	53002	0.948	0.905	0.966	1	0.7	8.5	3.2	3.2	2.7
29-Dec-24	1:18:09 PM	50.08	249.6	249.9	216.1	85.9	59.3	94.1	20327	13398	19676	53401	0.948	0.905	0.967	1	0.7	6.2	3.2	3	2.7
29-Dec-24	1:18:10 PM	50.08	249.6	249.9	211.8	85.9	59.3	94.2	20341	13406	19294	53041	0.948	0.905	0.967	1	0.8	7.5	3.2	3.1	2.7
29-Dec-24	1:18:11 PM	50.08	249.6	250	209.8	85.8	59.5	94.3	20323	13446	19131	52901	0.949	0.904	0.966	1	0.8	8.5	3.2	3.3	2.6
29-Dec-24	1:18:12 PM	50.08	249.6	250	209.6	85.3	59.3	94.6	20245	13331	19164	52741	0.951	0.899	0.966	1	0.8	8.9	3.1	3.2	2.7
29-Dec-24	1:18:13 PM	50.08	249.5	249.9	207.6	85.3	59.3	94.7	20242	13312	18981	52525	0.951	0.898	0.965	1	0.8	9.5	3.3	3.2	2.6
29-Dec-24	1:18:14 PM	50.08	249.6	249.9	206.5	85.2	59.3	94.7	20239	13302	18885	52417	0.951	0.898	0.966	1	0.8	10	3.2	3.2	2.7
29-Dec-24	1:18:15 PM	50.08	249.6	249.9	205.9	85.2	59.3	94.7	20238	13302	18831	52360	0.951	0.898	0.965	0.9	0.8	10.3	3.3	3.1	2.7
29-Dec-24	1:18:16 PM	50.08	249.5	250	204.8	85.1	59.3	94.8	20205	13302	18724	52231	0.951	0.898	0.964	1	0.8	10.8	3.3	3.2	2.8
29-Dec-24	1:18:17 PM	50.08	249.5	250	205.3	85.2	59.3	94.8	20210	13306	18740	52256	0.951	0.898	0.963	1	0.9	11.4	3.3	3.1	2.7
29-Dec-24	1:18:18 PM	50.07	249.5	250	212.5	85.2	59.3	94.8	20209	13310	19431	52950	0.951	0.898	0.965	1	0.7	11.3	3.3	3.2	2.7
29-Dec-24	1:18:19 PM	50.07	249.5	250	212.9	85.2	59.3	94.7	20238	13314	19474	53016	0.951	0.898	0.966	1	0.8	8.3	3.5	3.2	2.7
29-Dec-24	1:18:20 PM	50.07	249.6	250	212.8	85.2	59.3	94.6	20235	13308	19432	52965	0.951	0.898	0.965	1	0.8	8.9	3.3	3.2	2.6
29-Dec-24	1:18:21 PM	50.07	249.5	250.1	212	85.2	59.3	94.6	20233	13316	19343	52881	0.951	0.898	0.965	1	0.8	8.9	3.3	3.2	2.6
29-Dec-24	1:18:22 PM	50.08	249.5	250.1	211.7	85.2	59.2	94.6	20230	13314	19289	52822	0.951	0.899	0.963	1	0.8	9.8	3.3	3.2	2.6
29-Dec-24	1:18:23 PM	50.08	249.6	250.1	213.4	85.2	59.3	94.6	20235	13316	19476	53017	0.951	0.898	0.965	1	0.8	6.5	3.3	3.2	2.7
29-Dec-24	1:18:24 PM	50.08	249.6	250.1	216.2	85.2	59.3	94.6	20240	13317	19769	53315	0.951	0.899	0.966	1	0.8	6.7	3.2	3.3	2.6
29-Dec-24	1:18:25 PM	50.08	249.6	250.1	214.4	85.2	59.3	94.6	20242	13322	19571	53126	0.951	0.899	0.965	1	0.8	9	3.2	3.2	2.7
29-Dec-24	1:18:26 PM	50.08	249.6	250.2	218.6	85.2	59.3	94.6	20244	13323	19997	53553	0.951	0.899	0.967	1	0.8	5.8	3.2	3.2	2.7
29-Dec-24	1:18:27 PM	50.08	249.6	250.2	217.6	85.2	59.3	94.6	20242	13330	19913	53474	0.951	0.899	0.967	1	0.8	6.2	3.2	3.2	2.7
29-Dec-24	1:18:28 PM	50.09	249.6	250.2	216.8	85.2	59.3	94.6	20243	13330	19832	53394	0.951	0.899	0.967	1	0.7	6.6	3.3	3.2	2.6
29-Dec-24	1:18:29 PM	50.09	249.5	250.2	215.5	85.2	59.3	94.6	20237	13332	19707	53266	0.951	0.899	0.966	1	0.8	7.2	3.3	3.3	2.7
29-Dec-24	1:18:30 PM	50.09	249.5	250.1	214.5	85.2	59.3	94.6	20240	13333	19601	53164	0.952	0.899	0.966	1	0.9	8	3.2	3.2	2.7
29-Dec-24	1:18:31 PM	50.09	249.5	250.2	213.2	85.2	59.3	94.6	20248	13338	19468	53044	0.951	0.899	0.965	1	0.8	8.7	3.2	3.2	2.7
29-Dec-24	1:18:32 PM	50.09	249.5	250.2	215	85.3	59.3	94.6	20248	13343	19647	53227	0.951	0.899	0.966	1	0.9	6.4	3.4	3.1	2.7
29-Dec-24	1:18:33 PM	50.09	249.5	250.2	212.5	85.3	59.3	94.6	20247	13337	19387	52960	0.951	0.899	0.964	1	0.9	9.6	3.3	3.2	2.6
29-Dec-24	1:18:34 PM	50.09	249.5	250.1	211.8	85.3	59.3	94.6	20249	13333	19322	52894	0.951	0.899	0.964	1	0.9	9.6	3.2	3.2	2.7
29-Dec-24	1:18:35 PM	50.09	249.5	250.1	212.4	85.2	59.3	94.6	20244	13326	19346	52906	0.951	0.899	0.963	1	0.9	9.7	3.3	3.2	2.7
29-Dec-24	1:18:36 PM	50.09	249.5	250.2	212.5	85.2	59.3	94.6	20240	13337	19346	52914	0.952	0.899	0.963	1	0.9	9.9	3.3	3.2	2.7
29-Dec-24	1:18:37 PM	50.09	249.5	250.1	212.5	85.2	59.3	94.6	20238	13338	19343	52909	0.951	0.899	0.963	1	0.8	10	3.3	3.2	2.7
29-Dec-24	1:18:38 PM	50.09	249.5	250.2	212.9	85.2	59.3	94.6	20241	13339	19380	52950	0.952	0.899	0.963	1	0.8	9.5	3.4	3.2	2.8
29-Dec-24	1:18:39 PM	50.09	249.5	250.2	212	85.2	59.3	94.6	20243	13341	19305	52879	0.951	0.899	0.963	1	0.8	10.1	3.3	3.2	2.7
29-Dec-24	1:18:40 PM	50.09	249.6	250.2	211	85.3	59.3	94.6	20247	13332	19212	52791	0.951	0.898	0.963	0.9	0.7	10.3	3.3	3.2	2.8

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:18:41 PM	50.09	249.6	250.2	211.5	85.3	59.3	94.6	20242	13333	19261	52835	0.951	0.898	0.962	0.9	0.7	10.2	3.3	3.2	2.7
29-Dec-24	1:18:42 PM	50.09	249.5	250.2	212	85.3	59.3	94.6	20245	13338	19305	52888	0.951	0.899	0.963	0.9	0.8	9.7	3.3	3.2	2.7
29-Dec-24	1:18:43 PM	50.09	249.6	250.2	211.3	85.3	59.3	94.5	20245	13339	19225	52809	0.951	0.899	0.962	0.9	0.7	10.3	3.3	3.2	2.7
29-Dec-24	1:18:44 PM	50.09	249.6	250.2	210.9	85.3	59.3	94.6	20250	13343	19194	52787	0.951	0.899	0.963	0.9	0.8	10.4	3.3	3.2	2.7
29-Dec-24	1:18:45 PM	50.09	249.6	250.2	210.5	85.2	59.3	94.5	20248	13342	19154	52734	0.951	0.898	0.963	0.9	0.7	10.4	3.3	3.2	2.7
29-Dec-24	1:18:46 PM	50.09	249.6	250.1	211.5	85.3	59.3	94.5	20244	13328	19256	52829	0.951	0.898	0.963	0.9	0.7	9.7	3.3	3.2	2.6
29-Dec-24	1:18:47 PM	50.09	249.6	250.1	209.7	85.3	59.3	94.6	20245	13327	19096	52669	0.951	0.898	0.963	0.9	0.7	10.3	3.3	3.2	2.8
29-Dec-24	1:18:48 PM	50.09	249.6	250.1	210.5	85.3	59.3	94.6	20244	13325	19184	52754	0.951	0.898	0.964	1	0.8	10.2	3.3	3.2	2.7
29-Dec-24	1:18:49 PM	50.09	249.6	250.1	210.8	85.2	59.3	94.6	20248	13322	19239	52800	0.951	0.898	0.965	1	0.7	9.8	3.3	3.1	2.7
29-Dec-24	1:18:50 PM	50.09	249.5	250.1	218.8	85.2	59.3	94.7	20247	13322	20036	53595	0.951	0.898	0.967	1	0.7	6.4	3.2	3.2	2.8
29-Dec-24	1:18:51 PM	50.09	249.7	250.1	217.8	85.3	59.3	94.7	20250	13321	19936	53507	0.951	0.898	0.967	1	0.7	6.7	3.4	3.2	2.8
29-Dec-24	1:18:52 PM	50.09	249.8	250.1	216.9	85.3	59.3	94.7	20261	13313	19857	53432	0.951	0.898	0.967	0.9	0.8	7	3.4	3.2	2.7
29-Dec-24	1:18:53 PM	50.09	249.8	250.1	215.8	85.3	59.2	95	20265	13308	19819	53392	0.951	0.899	0.967	1	0.8	7.5	3.4	3.2	2.8
29-Dec-24	1:18:54 PM	50.08	249.9	250.1	213.9	85.3	59.2	97.6	20281	13309	20199	53789	0.951	0.898	0.968	1	0.8	8.4	3.3	3.2	2.7
29-Dec-24	1:18:55 PM	50.08	249.9	250.1	213.2	85.3	59.2	97.6	20283	13301	20113	53697	0.951	0.898	0.967	0.9	0.7	9.5	3.4	3.2	2.7
29-Dec-24	1:18:56 PM	50.08	249.9	250.1	214.9	85.3	59.2	97.6	20281	13297	20296	53874	0.951	0.898	0.967	1	0.8	8.6	3.4	3.1	2.7
29-Dec-24	1:18:57 PM	50.08	250	250.2	220.2	85.3	59.2	97.6	20279	13297	20829	54405	0.951	0.897	0.969	1	0.7	4.8	3.4	3.1	2.7
29-Dec-24	1:18:58 PM	50.08	249.9	250.1	218.7	85.3	59.2	97.6	20268	13299	20696	54263	0.951	0.898	0.969	1	0.8	6	3.2	3.1	2.6
29-Dec-24	1:18:59 PM	50.08	249.8	250.1	217.7	85.2	59.2	97.6	20258	13296	20589	54144	0.951	0.898	0.969	1	0.7	6.3	3.3	3.2	2.7
29-Dec-24	1:19:00 PM	50.08	249.8	250.1	217.4	85.2	59.2	97.6	20246	13293	20561	54100	0.951	0.897	0.969	1	0.7	6.6	3.2	3	2.7
29-Dec-24	1:19:01 PM	50.08	249.9	250.1	216.6	85.1	59.3	97.7	20246	13289	20503	54027	0.951	0.897	0.969	1	0.8	7	3.3	3.2	2.7
29-Dec-24	1:19:02 PM	50.08	249.9	250.1	216.5	85.1	59.3	97.6	20231	13306	20484	54012	0.951	0.897	0.969	1	0.8	7.1	3.3	3	2.8
29-Dec-24	1:19:03 PM	50.08	249.8	250.1	215.7	85.1	59.2	97.8	20237	13282	20432	53940	0.951	0.896	0.969	0.9	0.7	7.2	3.3	3.1	2.7
29-Dec-24	1:19:04 PM	50.08	249.9	250.1	215.2	85.1	59.3	97.8	20242	13289	20378	53898	0.951	0.897	0.969	1	0.8	7.5	3.3	3.2	2.8
29-Dec-24	1:19:05 PM	50.08	249.9	250.1	215.2	85.1	59.3	97.8	20248	13291	20384	53913	0.951	0.897	0.969	0.9	0.8	7.7	3.3	3.1	2.8
29-Dec-24	1:19:06 PM	50.08	249.9	250.1	214.2	85.2	59.3	97.8	20244	13300	20293	53837	0.951	0.897	0.969	1	0.8	7.7	3.3	3.1	2.9
29-Dec-24	1:19:07 PM	50.09	249.9	250.1	214.3	85.2	59.3	97.7	20249	13296	20282	53817	0.951	0.897	0.969	0.9	0.7	7.7	3.3	3.1	2.9
29-Dec-24	1:19:08 PM	50.09	249.9	250.1	214.2	85	59.3	97.6	20210	13296	20254	53760	0.951	0.897	0.969	1	0.7	7.7	3.2	3.1	2.8
29-Dec-24	1:19:09 PM	50.09	249.9	250.1	213.8	85.1	59.3	97.6	20215	13300	20207	53722	0.951	0.897	0.969	0.9	0.8	7.7	3.2	3	2.8
29-Dec-24	1:19:10 PM	50.09	249.8	250.1	214.2	85.1	59.3	97.5	20234	13310	20249	53773	0.951	0.898	0.969	0.9	0.8	7.7	3.1	3.1	2.8
29-Dec-24	1:19:11 PM	50.09	249.8	250.1	214.3	85.2	59.3	97.1	20245	13324	20160	53719	0.951	0.898	0.969	1	0.8	7.8	3.2	3.2	2.9
29-Dec-24	1:19:12 PM	50.09	249.8	250.1	214.1	85.2	59.3	97	20241	13320	20122	53673	0.951	0.899	0.968	1	0.8	7.9	3.2	3.2	2.8
29-Dec-24	1:19:13 PM	50.08	249.8	249.9	213.9	85.2	59.2	97.1	20233	13306	20114	53643	0.951	0.899	0.969	0.9	0.8	7.9	3.1	3.2	2.8
29-Dec-24	1:19:14 PM	50.08	249.8	250.1	213.8	85.2	59.3	97	20245	13317	20082	53634	0.951	0.898	0.968	1	0.8	8.1	3.1	3.2	2.8
29-Dec-24	1:19:15 PM	50.08	249.8	250.1	213.5	85.2	59.3	97	20249	13324	20051	53615	0.951	0.898	0.968	0.9	0.7	8.2	3	3.2	2.9
29-Dec-24	1:19:16 PM	50.09	249.9	250.1	213.1	85.2	59.3	97	20249	13324	20003	53566	0.951	0.898	0.968	1	0.8	8.5	3.1	3.2	2.8
29-Dec-24	1:19:17 PM	50.08	249.9	250.1	214.4	85.2	59.3	97	20247	13327	20129	53693	0.951	0.898	0.968	0.9	0.7	7.6	3.1	3.2	2.8
29-Dec-24	1:19:18 PM	50.09	249.8	250.1	213.6	85.1	59.3	94.3	20230	13329	19442	52991	0.951	0.899	0.965	0.9	0.8	8.6	3.1	3.2	2.9
29-Dec-24	1:19:19 PM	50.09	249.8	250.1	213.2	85.1	59.3	93.2	20211	13329	19163	52704	0.951	0.899	0.964	0.9	0.8	9.6	3.1	3.2	3
29-Dec-24	1:19:20 PM	50.09	249.8	250.1	213.7	85.1	59.3	93.2	20211	13326	19194	52732	0.951	0.899	0.964	0.9	0.8	9.5	3.1	3.1	2.9
29-Dec-24	1:19:21 PM	50.09	249.8	250.1	214.9	85.1	59.3	93.2	20216	13324	19317	52857	0.951	0.899	0.965	0.9	0.7	7.9	3	3.1	2.9
29-Dec-24	1:19:22 PM	50.09	249.8	250.1	215.5	85.1	59.3	93.2	20217	13330	19377	52924	0.951	0.899	0.965	0.9	0.7	8.6	3.1	3.2	2.8

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:19:23 PM	50.09	249.8	250.1	215.3	84.6	59.3	93.2	20118	13323	19350	52790	0.952	0.899	0.965	0.9	0.7	8.3	3.2	3.3	2.9
29-Dec-24	1:19:24 PM	50.09	249.8	250.1	215	84.3	59.3	93.2	20067	13329	19317	52713	0.952	0.899	0.965	0.9	0.7	8.5	3.2	3.2	2.9
29-Dec-24	1:19:25 PM	50.09	249.8	250.1	217.4	84.4	59.3	93.2	20069	13328	19557	52954	0.952	0.899	0.966	0.9	0.7	6.1	3.1	3.2	2.9
29-Dec-24	1:19:26 PM	50.09	249.8	250.1	219.5	84.3	59.3	93.1	20062	13329	19756	53147	0.952	0.899	0.967	1	0.8	5.9	3.1	3.2	2.9
29-Dec-24	1:19:27 PM	50.09	249.8	250	217.2	84.4	59.3	93.1	20065	13329	19548	52941	0.952	0.899	0.966	0.9	0.8	6.6	3.1	3.1	2.9
29-Dec-24	1:19:28 PM	50.09	249.8	250.1	216	84.4	59.3	93.1	20067	13334	19418	52820	0.952	0.899	0.965	0.9	0.8	7.7	3.1	3.3	2.9
29-Dec-24	1:19:29 PM	50.09	249.7	250	216.1	84.3	59.3	93.1	20055	13325	19424	52803	0.952	0.899	0.965	0.9	0.7	7.5	3.1	3.1	2.9
29-Dec-24	1:19:30 PM	50.09	249.7	250	217.3	84.3	59.3	93.1	20056	13324	19543	52923	0.952	0.899	0.966	0.9	0.7	7.4	3.1	3.1	2.9
29-Dec-24	1:19:31 PM	50.09	249.7	250	216.9	84.6	59.3	93.1	20117	13330	19496	52944	0.952	0.899	0.966	0.9	0.7	7.7	3.1	3.1	2.8
29-Dec-24	1:19:32 PM	50.08	249.7	250	217.6	84.9	59.3	93.1	20163	13333	19574	53070	0.952	0.899	0.966	0.9	0.7	7.5	3	3.2	2.9
29-Dec-24	1:19:33 PM	50.08	249.7	250	217.8	84.8	59.3	93.1	20149	13326	19583	53057	0.952	0.899	0.966	0.9	0.7	7.3	3.1	3.2	2.9
29-Dec-24	1:19:34 PM	50.08	249.7	250	217.3	84.8	59.3	93.1	20140	13327	19537	53004	0.952	0.899	0.966	0.9	0.7	7.2	3	3.2	2.9
29-Dec-24	1:19:35 PM	50.08	249.7	250	218.4	84.8	59.3	93.1	20144	13330	19633	53107	0.952	0.899	0.965	1	0.7	7	3	3.2	2.9
29-Dec-24	1:19:36 PM	50.08	249.7	250.1	222.5	84.8	59.3	93.1	20147	13331	20034	53513	0.952	0.899	0.967	0.9	0.7	4.9	3.2	3.2	2.9
29-Dec-24	1:19:37 PM	50.08	249.8	250.1	221.3	84.8	59.3	93.1	20143	13327	19915	53385	0.951	0.899	0.967	0.9	0.7	7.1	3.1	3.2	2.9
29-Dec-24	1:19:38 PM	50.08	249.7	250.1	221.7	84.8	59.3	93.1	20146	13333	19962	53441	0.952	0.899	0.967	0.9	0.7	5.2	3.1	3.2	2.9
29-Dec-24	1:19:39 PM	50.08	249.7	250.1	222.1	84.8	59.3	93.1	20148	13335	19999	53482	0.952	0.899	0.967	0.9	0.8	5.1	3.1	3.3	2.9
29-Dec-24	1:19:40 PM	50.08	249.8	250.1	222.3	84.8	59.3	93.1	20141	13335	20008	53484	0.951	0.899	0.967	0.9	0.8	5	3.1	3.2	2.8
29-Dec-24	1:19:41 PM	50.08	249.8	250.1	222.2	84.8	59.3	93.1	20149	13342	20009	53501	0.951	0.899	0.967	0.9	0.7	5	3.1	3.2	2.9
29-Dec-24	1:19:42 PM	50.08	249.8	250.2	222.1	84.8	59.3	93.1	20162	13341	20000	53502	0.951	0.899	0.967	0.9	0.7	5.1	3.1	3.2	2.9
29-Dec-24	1:19:43 PM	50.08	249.8	250.1	221.9	84.8	59.3	93.2	20156	13339	19988	53483	0.951	0.899	0.967	0.9	0.7	5.1	3.2	3.2	2.9
29-Dec-24	1:19:44 PM	50.08	249.8	250.1	221.6	84.9	59.3	95.3	20166	13339	20437	53942	0.951	0.899	0.968	0.9	0.8	5.1	3.2	3.2	2.8
29-Dec-24	1:19:45 PM	50.08	249.8	250.1	221.4	84.9	59.3	96.9	20172	13342	20794	54307	0.952	0.899	0.969	0.9	0.7	5.1	3.2	3.2	2.8
29-Dec-24	1:19:46 PM	50.08	249.8	250.1	221.1	84.8	59.3	96.9	20163	13338	20766	54268	0.951	0.899	0.969	0.9	0.8	5.2	3.1	3.2	2.7
29-Dec-24	1:19:47 PM	50.08	249.8	250.1	220.8	84.8	59.3	96.9	20159	13333	20729	54221	0.952	0.899	0.969	0.9	0.8	5.4	3.1	3.2	2.8
29-Dec-24	1:19:48 PM	50.08	249.8	250.1	220.4	84.8	59.3	96.9	20166	13337	20700	54203	0.952	0.899	0.969	0.9	0.7	5.6	3.1	3.2	2.8
29-Dec-24	1:19:49 PM	50.08	249.8	250	219.9	84.8	59.3	96.9	20162	13336	20641	54139	0.952	0.899	0.969	0.9	0.7	5.9	3.1	3.3	2.8
29-Dec-24	1:19:50 PM	50.08	249.8	250	219.2	84.8	59.3	96.9	20162	13330	20580	54072	0.952	0.899	0.969	0.9	0.7	6.1	3.1	3.2	2.8
29-Dec-24	1:19:51 PM	50.08	249.8	250.1	218.8	84.8	59.3	96.9	20163	13331	20538	54032	0.952	0.899	0.969	0.9	0.7	6.4	3.1	3.1	2.8
29-Dec-24	1:19:52 PM	50.08	249.8	250.1	217.9	84.8	59.3	96.9	20164	13332	20449	53945	0.952	0.899	0.969	0.9	0.9	6.8	3.1	3.2	2.8
29-Dec-24	1:19:53 PM	50.08	249.8	250.1	216.9	84.8	59.3	96.9	20165	13332	20338	53834	0.952	0.899	0.968	1	0.7	7.4	3.1	3.2	2.8
29-Dec-24	1:19:54 PM	50.08	249.9	250.2	215.1	84.9	59.4	100.3	20184	13337	20921	54442	0.952	0.898	0.969	0.9	0.8	8	3.1	3.2	2.6
29-Dec-24	1:19:55 PM	50.08	249.9	250.2	216.7	84.9	59.4	101.4	20197	13343	21335	54875	0.951	0.898	0.97	0.9	0.8	9	3.1	3.2	2.6
29-Dec-24	1:19:56 PM	50.08	249.9	250.1	217.7	84.9	59.3	101.4	20201	13336	21426	54964	0.952	0.898	0.97	0.9	0.7	7	3.1	3.1	2.6
29-Dec-24	1:19:57 PM	50.08	249.9	250.1	218.9	84.9	59.3	98.6	20188	13335	20925	54448	0.951	0.898	0.969	0.9	0.8	6.4	3.2	3.2	2.7
29-Dec-24	1:19:58 PM	50.08	249.9	250.1	215.6	84.9	59.3	95.4	20180	13340	19900	53420	0.951	0.899	0.967	0.9	0.8	7.4	3.1	3.1	2.8
29-Dec-24	1:19:59 PM	50.08	250.3	250.1	213.9	77.7	59.3	95.3	18310	13318	19705	51334	0.941	0.898	0.967	0.9	0.8	8	3.1	3.1	2.8
29-Dec-24	1:20:00 PM	50.08	250.5	249.9	214.4	74.7	59.3	95.3	17576	13307	19742	50624	0.939	0.898	0.966	0.9	0.8	7.4	3.4	3.1	2.8
29-Dec-24	1:20:01 PM	50.08	250.4	249.9	213.9	74.7	59.3	95.3	17563	13303	19688	50553	0.939	0.898	0.966	0.9	0.7	7.9	3.5	3.2	2.8
29-Dec-24	1:20:02 PM	50.08	250.4	249.9	215.7	74.7	59.2	95.2	17559	13304	19869	50732	0.939	0.899	0.967	1	0.8	7.6	3.4	3.2	2.8
29-Dec-24	1:20:03 PM	50.08	250.5	249.9	217	74.7	59.2	95.2	17567	13309	19990	50866	0.939	0.899	0.967	0.9	0.8	9.3	3.4	3.3	2.9
29-Dec-24	1:20:04 PM	50.08	250.5	249.9	216.9	74.7	59.2	95.3	17565	13304	19975	50844	0.939	0.899	0.967	0.9	0.8	6.6	3.4	3.2	2.9

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:20:05 PM	50.08	250.6	250	220	74.8	59.3	100.7	17589	13316	21516	52421	0.939	0.898	0.971	1	0.8	4.8	3.4	3.3	2.7
29-Dec-24	1:20:06 PM	50.08	250.5	250	218.9	74.7	59.3	101.6	17584	13316	21616	52515	0.939	0.898	0.972	1	0.8	6.1	3.5	3.2	2.7
29-Dec-24	1:20:07 PM	50.08	250.5	250	215.5	74.7	59.3	101.5	17581	13321	21265	52167	0.939	0.898	0.972	1	0.8	6.9	3.4	3.2	2.8
29-Dec-24	1:20:08 PM	50.09	250.5	250	214.3	74.7	59.3	101.5	17580	13320	21133	52034	0.939	0.898	0.971	0.9	0.8	7.4	3.4	3.1	2.7
29-Dec-24	1:20:09 PM	50.09	250.5	250	213.3	74.7	59.3	101.5	17579	13322	21016	51917	0.939	0.898	0.971	0.9	0.8	8.2	3.4	3.2	2.7
29-Dec-24	1:20:10 PM	50.09	250.5	249.9	211.9	74.7	59.3	101.4	17577	13321	20842	51739	0.939	0.898	0.97	1	0.8	9.1	3.4	3.2	2.7
29-Dec-24	1:20:11 PM	50.09	250.5	250	213.1	74.7	59.3	101.4	17569	13315	20964	51848	0.939	0.898	0.97	1	0.8	9.9	3.4	3.2	2.7
29-Dec-24	1:20:12 PM	50.09	250.5	250	218.4	74.7	59.3	101.4	17570	13321	21525	52416	0.939	0.898	0.972	1	0.8	6	3.4	3.3	2.7
29-Dec-24	1:20:13 PM	50.09	250.4	249.9	219.8	74.6	59.3	98.6	17556	13317	21033	51907	0.939	0.899	0.97	1	0.8	5.3	3.3	3.2	2.7
29-Dec-24	1:20:14 PM	50.09	250.3	249.9	219.1	74.6	59.3	94.9	17541	13314	20117	50972	0.939	0.899	0.968	1	0.8	5.9	3.4	3.3	2.9
29-Dec-24	1:20:15 PM	50.09	250.4	249.9	220.4	74.6	59.3	94.8	17540	13317	20242	51100	0.939	0.899	0.968	1	0.8	5.1	3.4	3.2	2.9
29-Dec-24	1:20:16 PM	50.09	250.4	249.9	220.3	74.6	59.3	94.8	17538	13322	20236	51086	0.939	0.899	0.968	1	0.8	5.3	3.4	3.3	2.9
29-Dec-24	1:20:17 PM	50.09	250.4	250	220.3	74.6	59.3	94.8	17545	13318	20239	51091	0.939	0.899	0.968	1	0.8	5.3	3.4	3.2	2.9
29-Dec-24	1:20:18 PM	50.09	250.4	249.9	220.2	74.6	59.3	94.8	17546	13322	20217	51085	0.939	0.899	0.968	1	0.8	5.2	3.5	3.2	3
29-Dec-24	1:20:19 PM	50.09	250.4	249.9	220.1	74.6	59.3	94.9	17544	13323	20216	51083	0.939	0.899	0.968	1	0.7	5.4	3.4	3.2	2.9
29-Dec-24	1:20:20 PM	50.1	250.3	249.9	220	74.6	59.3	94.9	17545	13323	20206	51074	0.939	0.899	0.968	1	0.8	5.4	3.5	3.2	2.9
29-Dec-24	1:20:21 PM	50.1	250.4	249.9	219.9	74.6	59.3	94.8	17546	13316	20197	51059	0.939	0.899	0.968	1	0.7	5.4	3.4	3.1	2.9
29-Dec-24	1:20:22 PM	50.1	250.4	249.9	219.8	74.6	59.3	94.9	17545	13318	20182	51044	0.939	0.899	0.968	1	0.8	5.5	3.4	3.2	2.9
29-Dec-24	1:20:23 PM	50.1	250.4	249.9	219.5	74.6	59.3	94.8	17552	13324	20164	51040	0.939	0.899	0.968	1	0.8	5.5	3.4	3.2	2.9
29-Dec-24	1:20:24 PM	50.1	250.3	250	219.1	74.7	59.3	98.4	17556	13321	20677	51554	0.939	0.899	0.959	1	0.8	5.7	3.4	3.2	3.8
29-Dec-24	1:20:25 PM	50.1	250.3	250.1	218.8	74.7	59.3	99.8	17558	13321	20861	51739	0.939	0.898	0.955	1	0.8	5.8	3.4	3.2	4.5
29-Dec-24	1:20:26 PM	50.1	250.4	250.1	218.2	74.7	59.3	102.3	17564	13323	21571	52457	0.939	0.898	0.966	1	0.8	5.9	3.4	3.1	4.8
29-Dec-24	1:20:27 PM	50.1	250.4	250	217.1	74.7	59.3	102.6	17570	13325	21529	52424	0.94	0.898	0.967	1	0.9	6.2	3.4	3.2	4.7
29-Dec-24	1:20:28 PM	50.1	250.4	250.1	218.9	74.7	59.4	102.5	17567	13329	21716	52613	0.94	0.898	0.967	1	0.9	5.4	3.4	3.2	4.7
29-Dec-24	1:20:29 PM	50.1	250.4	250.1	219	74.7	59.3	102.5	17569	13327	21722	52617	0.94	0.898	0.967	1	0.9	5.4	3.4	3.2	4.8
29-Dec-24	1:20:30 PM	50.1	250.4	250.1	218.8	74.7	59.4	102.5	17575	13333	21703	52611	0.94	0.898	0.967	0.9	0.9	5.5	3.4	3.3	4.7
29-Dec-24	1:20:31 PM	50.1	250.4	250.1	218.5	74.6	59.3	102.6	17558	13325	21678	52561	0.94	0.898	0.967	1	0.9	5.6	3.4	3.2	4.7
29-Dec-24	1:20:32 PM	50.1	250.4	250.1	217.6	74.2	59.3	102.6	17485	13324	21582	52391	0.941	0.898	0.967	1	0.9	6	3.4	3.1	4.7
29-Dec-24	1:20:33 PM	50.1	250.4	250.1	218.5	74.2	59.3	102.5	17482	13323	21663	52468	0.941	0.898	0.967	1	0.9	6	3.4	3.2	4.7
29-Dec-24	1:20:34 PM	50.1	250.4	250.1	219.5	74.2	59.3	102.5	17485	13324	21762	52572	0.941	0.898	0.967	0.9	0.8	5.8	3.4	3.2	4.7
29-Dec-24	1:20:35 PM	50.1	250.5	250.1	219.5	74.2	59.3	102.5	17480	13325	21771	52576	0.941	0.898	0.967	1	0.9	5.6	3.5	3.3	4.7
29-Dec-24	1:20:36 PM	50.1	250.4	250.1	220	74.2	59.4	102.6	17473	13328	21828	52629	0.941	0.898	0.967	1	0.8	5.4	3.4	3.2	4.7
29-Dec-24	1:20:37 PM	50.11	250.5	250.1	220	74.2	59.4	102.6	17480	13332	21836	52649	0.941	0.898	0.967	1	0.9	5.5	3.4	3.2	4.7
29-Dec-24	1:20:38 PM	50.11	250.5	250.2	220	74.1	59.3	102.6	17471	13329	21835	52635	0.941	0.898	0.967	1	0.8	5.4	3.4	3.3	4.8
29-Dec-24	1:20:39 PM	50.11	250.5	250.1	219.9	74.2	59.4	102.6	17477	13333	21828	52638	0.941	0.898	0.967	1	0.9	5.5	3.4	3.3	4.7
29-Dec-24	1:20:40 PM	50.11	250.5	250.2	219.7	74.2	59.4	102.6	17482	13341	21810	52633	0.941	0.898	0.967	0.9	0.8	5.6	3.3	3.2	4.7
29-Dec-24	1:20:41 PM	50.12	250.5	250.2	219.2	74.2	59.4	102.6	17481	13342	21760	52582	0.941	0.898	0.968	0.9	0.9	5.6	3.4	3.2	4.7
29-Dec-24	1:20:42 PM	50.12	250.4	250.1	219	74.2	59.4	102.6	17476	13345	21746	52566	0.941	0.898	0.968	0.9	0.9	5.6	3.3	3.3	4.7
29-Dec-24	1:20:43 PM	50.12	250.5	250.1	218.8	74.2	59.4	102.5	17478	13347	21705	52530	0.941	0.898	0.967	0.9	0.7	5.7	3.3	3.2	4.7
29-Dec-24	1:20:44 PM	50.12	250.5	250.1	218.4	74.3	59.4	102.5	17497	13345	21665	52507	0.94	0.898	0.968	1	0.9	6	3.4	3.3	4.7
29-Dec-24	1:20:45 PM	50.12	250.5	250.1	217.7	74.2	59.3	102.6	17483	13317	21608	52408	0.941	0.897	0.967	0.9	0.8	6.2	3.3	3.2	4.7
29-Dec-24	1:20:46 PM	50.12	250.5	250	215.5	74.3	59.3	102.5	17501	13319	21348	52169	0.941	0.898	0.966	1	0.9	7.7	3.4	3.3	4.7

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:20:47 PM	50.12	250.5	250.1	214.8	74.5	59.4	102.2	17543	13392	21210	52144	0.94	0.901	0.966	1	0.8	7.3	3.3	3.3	4.7
29-Dec-24	1:20:48 PM	50.11	250.6	250.1	219.6	74.7	59.4	102.2	17572	13418	21705	52694	0.939	0.903	0.967	1	0.9	5.1	3.3	3.1	4.7
29-Dec-24	1:20:49 PM	50.11	250.6	250.1	220	74.7	59.4	102.2	17577	13424	21759	52760	0.939	0.903	0.968	1	0.8	5.4	3.2	3.1	4.7
29-Dec-24	1:20:50 PM	50.11	250.6	250.1	218.5	74.7	59.4	102.2	17571	13422	21606	52599	0.939	0.903	0.968	1	0.9	6.1	3.3	3.2	4.7
29-Dec-24	1:20:51 PM	50.11	250.6	250.1	220.5	74.7	59.4	102.2	17569	13421	21789	52779	0.939	0.903	0.967	1	0.8	8.6	3.2	3.2	4.7
29-Dec-24	1:20:52 PM	50.11	250.6	250.1	222.2	74.7	59.4	102.2	17569	13418	21972	52959	0.939	0.903	0.968	1	0.9	4.8	3.3	3.2	4.7
29-Dec-24	1:20:53 PM	50.11	250.5	250	221.1	74.7	59.4	102.2	17565	13408	21868	52840	0.939	0.903	0.968	1	0.7	5.2	3.2	3.2	4.7
29-Dec-24	1:20:54 PM	50.11	250.6	250	220.5	74.7	59.4	102.2	17577	13410	21805	52793	0.939	0.903	0.968	1	0.9	5.4	3.3	3.2	4.7
29-Dec-24	1:20:55 PM	50.11	250.6	250	219.6	74.7	59.4	102.1	17574	13405	21713	52692	0.939	0.903	0.968	1	0.7	5.8	3.2	3.2	4.7
29-Dec-24	1:20:56 PM	50.11	250.5	250	219.1	74.7	59.4	102.1	17575	13409	21663	52647	0.939	0.903	0.968	1	0.8	6	3.3	3.1	4.7
29-Dec-24	1:20:57 PM	50.1	250.6	250	218.4	74	59.4	102.1	17377	13408	21588	52373	0.937	0.903	0.968	1	0.8	6.3	3.4	3.1	4.7
29-Dec-24	1:20:58 PM	50.1	251	249.9	217	68	59.3	102.1	15411	13383	21422	50215	0.903	0.903	0.967	1	0.8	7.3	3.7	3.1	4.7
29-Dec-24	1:20:59 PM	50.1	251	249.9	217.7	66.7	59.3	102.1	15406	13381	21488	50275	0.921	0.903	0.967	1	0.7	7.4	3.8	3.2	4.7
29-Dec-24	1:21:00 PM	50.11	250.9	249.8	221.5	66.4	59.3	102.1	15401	13372	21885	50658	0.924	0.903	0.968	0.9	0.7	4.9	3.9	3.2	4.7
29-Dec-24	1:21:01 PM	50.11	251.1	249.9	220.7	66.5	59.3	105.5	15422	13385	22576	51383	0.924	0.903	0.97	1	0.7	5	3.9	3.2	4.7
29-Dec-24	1:21:02 PM	50.1	251.1	249.9	220.1	66.5	59.3	108.2	15429	13390	23132	51951	0.924	0.903	0.972	1	0.8	5.3	3.9	3.2	4.5
29-Dec-24	1:21:03 PM	50.11	251.1	249.9	219.5	66.5	59.3	108.2	15427	13389	23074	51890	0.924	0.903	0.972	1	0.7	5.4	3.9	3.2	4.4
29-Dec-24	1:21:04 PM	50.11	251.1	249.9	218.5	66.7	59.3	108.2	15485	13394	22967	51846	0.924	0.903	0.972	1	0.8	5.9	3.9	3.2	4.5
29-Dec-24	1:21:05 PM	50.1	251.1	249.9	216.8	66.5	59.3	108.2	15422	13395	22780	51597	0.924	0.903	0.971	0.9	0.7	6.8	3.8	3.1	4.3
29-Dec-24	1:21:06 PM	50.11	251.1	249.9	215.5	66.5	59.3	108.1	15428	13391	22622	51440	0.924	0.903	0.971	0.9	0.7	7.6	3.9	3.1	4.5
29-Dec-24	1:21:07 PM	50.11	251.1	249.9	214.3	66.5	59.3	108.1	15423	13394	22473	51290	0.924	0.903	0.97	1	0.7	8.7	3.9	3.2	4.4
29-Dec-24	1:21:08 PM	50.11	251.1	249.9	215.9	66.5	59.3	108.2	15420	13393	22657	51470	0.924	0.903	0.97	1	0.7	9	3.9	3.2	4.5
29-Dec-24	1:21:09 PM	50.11	251.1	249.9	219.4	66.5	59.3	108.1	15422	13393	23061	51876	0.924	0.903	0.972	1	0.7	5.3	3.9	3.2	4.4
29-Dec-24	1:21:10 PM	50.11	251.1	249.9	216.3	66.5	59.3	108.2	15420	13395	22726	51541	0.924	0.903	0.971	1	0.7	7.5	3.9	3.1	4.3
29-Dec-24	1:21:11 PM	50.11	251.1	249.9	215.6	66.5	59.3	108.2	15423	13398	22657	51478	0.924	0.903	0.971	0.9	0.7	8.7	3.9	3.2	4.3
29-Dec-24	1:21:12 PM	50.11	251.1	249.9	213	66.5	59.3	108.2	15415	13393	22357	51165	0.924	0.903	0.97	0.9	0.8	7.8	3.8	3.1	4.4
29-Dec-24	1:21:13 PM	50.11	251	249.9	218.3	66.4	59.3	108.1	15412	13398	22947	51757	0.924	0.904	0.972	0.9	0.7	4.8	3.9	3.2	4.4
29-Dec-24	1:21:14 PM	50.11	251	249.8	218.4	66.4	59.3	108.1	15409	13393	22962	51764	0.924	0.903	0.972	0.9	0.7	5.3	3.9	3.1	4.3
29-Dec-24	1:21:15 PM	50.11	251.1	249.9	217.7	66.5	59.3	108.1	15415	13395	22882	51692	0.924	0.904	0.972	0.9	0.7	5.5	3.9	3.2	4.4
29-Dec-24	1:21:16 PM	50.11	251	249.8	215.6	66.5	59.3	108.2	15413	13394	22656	51462	0.924	0.904	0.971	0.9	0.7	6.6	3.9	3	4.4
29-Dec-24	1:21:17 PM	50.11	251	249.8	216.6	66.5	59.3	108.1	15413	13396	22739	51548	0.924	0.904	0.971	0.9	0.7	5.3	3.9	3.2	4.4
29-Dec-24	1:21:18 PM	50.11	251	249.8	217.2	66.4	59.3	108.1	15410	13391	22811	51612	0.924	0.904	0.971	0.9	0.7	6.2	3.9	3	4.2
29-Dec-24	1:21:19 PM	50.11	251	249.8	215.4	66.5	59.3	108.1	15414	13392	22593	51398	0.924	0.903	0.97	0.9	0.7	8.5	3.9	3.1	4.3
29-Dec-24	1:21:20 PM	50.11	251	249.8	218.7	66.5	59.4	108.1	15418	13400	22963	51782	0.924	0.903	0.971	0.9	0.8	7.2	3.9	3.2	4.3
29-Dec-24	1:21:21 PM	50.11	251	249.9	219	66.5	59.4	108.1	15413	13404	23005	51822	0.924	0.903	0.972	0.9	0.7	5.6	3.9	3.2	4.4
29-Dec-24	1:21:22 PM	50.11	251	249.9	217.7	66.4	59.4	108.1	15407	13403	22869	51678	0.924	0.903	0.972	0.9	0.8	6	3.9	3.1	4.3
29-Dec-24	1:21:23 PM	50.11	251	249.8	217.4	66.5	59.4	108.1	15413	13399	22836	51648	0.924	0.904	0.972	0.9	0.7	6.1	3.9	3.2	4.3
29-Dec-24	1:21:24 PM	50.11	250.9	249.7	218	66.4	59.3	101.5	15389	13385	21483	50257	0.924	0.904	0.971	0.9	0.8	6	3.9	3.1	2.7
29-Dec-24	1:21:25 PM	50.11	250.9	249.7	218.1	66.4	59.3	101.2	15386	13386	21449	50220	0.924	0.904	0.971	0.9	0.7	5.9	3.9	3.2	2.6
29-Dec-24	1:21:26 PM	50.11	250.9	249.7	218.2	66.4	59.3	101.3	15386	13386	21465	50238	0.924	0.904	0.971	0.9	0.7	5.8	3.9	3.3	2.7
29-Dec-24	1:21:27 PM	50.11	250.9	249.7	218.2	66.3	59.3	101.2	15380	13388	21454	50221	0.924	0.904	0.971	0.9	0.8	5.8	3.9	3.2	2.7
29-Dec-24	1:21:28 PM	50.11	250.9	249.7	218.2	66.3	59.3	101.2	15383	13387	21456	50227	0.924	0.904	0.972	0.9	0.8	5.8	3.9	3.2	2.7

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:21:29 PM	50.11	250.8	249.7	218.1	66.4	59.3	101.2	15386	13381	21439	50205	0.924	0.904	0.971	0.9	0.7	5.8	3.9	3.2	2.6
29-Dec-24	1:21:30 PM	50.11	250.8	249.7	218	66.4	59.3	101.2	15389	13385	21432	50205	0.924	0.904	0.972	0.9	0.7	5.8	3.9	3.2	2.6
29-Dec-24	1:21:31 PM	50.11	250.9	249.7	218	66.4	59.3	101.2	15391	13385	21429	50206	0.924	0.904	0.971	1	0.9	5.9	3.9	3.2	2.7
29-Dec-24	1:21:32 PM	50.11	250.8	249.6	218	66.4	59.3	101.2	15383	13379	21426	50188	0.924	0.904	0.971	0.9	0.7	6	3.9	3.2	2.7
29-Dec-24	1:21:33 PM	50.11	250.8	249.6	217.9	66.4	59.3	101.2	15379	13379	21422	50180	0.924	0.904	0.971	0.9	0.7	5.9	3.9	3.2	2.6
29-Dec-24	1:21:34 PM	50.11	250.8	249.6	217.9	66.4	59.3	101.2	15384	13385	21414	50183	0.924	0.904	0.972	0.9	0.7	6	3.9	3.2	2.6
29-Dec-24	1:21:35 PM	50.11	250.7	249.6	217.8	67.4	59.3	101.2	15595	13386	21411	50392	0.923	0.904	0.971	1	0.8	6	3.9	3	2.6
29-Dec-24	1:21:36 PM	50.11	250.6	249.6	217.8	69.2	59.3	101.2	15994	13395	21408	50797	0.922	0.905	0.971	0.9	0.8	6	3.7	3.1	2.7
29-Dec-24	1:21:37 PM	50.11	250.6	249.6	217.8	68.7	59.3	101.2	15902	13393	21406	50700	0.923	0.905	0.971	0.9	0.8	6	3.7	3.1	2.6
29-Dec-24	1:21:38 PM	50.11	250.6	249.6	217.8	68.7	59.3	101.2	15886	13388	21406	50680	0.923	0.905	0.971	0.9	0.8	6	3.7	3.1	2.7
29-Dec-24	1:21:39 PM	50.11	250.6	249.6	217.9	68.6	59.3	101.1	15883	13382	21397	50662	0.923	0.905	0.972	1	0.9	5.9	3.7	3	2.7
29-Dec-24	1:21:40 PM	50.11	250.7	249.6	218.1	68.6	59.3	100.6	15884	13382	21329	50595	0.923	0.905	0.973	0.9	0.8	5.8	3.7	3.1	2.7
29-Dec-24	1:21:41 PM	50.1	250.7	249.5	218	68.6	59.3	100.6	15885	13380	21326	50591	0.923	0.905	0.973	1	0.8	5.8	3.8	3.1	2.7
29-Dec-24	1:21:42 PM	50.1	250.6	249.5	218	68.6	59.3	100.5	15875	13373	21302	50550	0.923	0.905	0.973	0.9	0.8	5.8	3.7	3.2	2.7
29-Dec-24	1:21:43 PM	50.1	250.6	249.5	217.9	68.6	59.3	100.4	15870	13370	21290	50530	0.923	0.904	0.973	1	0.8	5.8	3.8	3.2	2.6
29-Dec-24	1:21:44 PM	50.1	250.6	249.5	217.9	68.6	59.3	100.4	15873	13372	21290	50534	0.923	0.904	0.973	0.9	0.8	5.8	3.7	3.2	2.7
29-Dec-24	1:21:45 PM	50.1	250.6	249.6	217.9	68.6	59.3	100.4	15883	13374	21289	50546	0.924	0.904	0.973	1	0.7	5.8	3.8	3.2	2.6
29-Dec-24	1:21:46 PM	50.1	250.7	249.6	217.9	68.6	59.3	100.5	15881	13381	21300	50562	0.923	0.904	0.973	0.9	0.7	5.8	3.7	3.2	2.7
29-Dec-24	1:21:47 PM	50.1	250.7	249.6	217.9	68.6	59.3	100.5	15883	13380	21300	50563	0.923	0.904	0.973	1	0.8	5.8	3.8	3.2	2.7
29-Dec-24	1:21:48 PM	50.1	250.7	249.6	217.9	68.6	59.3	100.5	15880	13382	21307	50569	0.923	0.904	0.973	0.9	0.7	5.8	3.7	3	2.7
29-Dec-24	1:21:49 PM	50.1	250.7	249.6	218	68.6	59.3	100.5	15881	13383	21312	50577	0.923	0.904	0.973	0.9	0.7	5.8	3.8	3.2	2.7
29-Dec-24	1:21:50 PM	50.1	250.7	249.6	217.9	68.6	59.3	100.5	15879	13385	21313	50576	0.923	0.904	0.973	0.9	0.7	5.8	3.7	3.2	2.8
29-Dec-24	1:21:51 PM	50.1	250.7	249.6	218	68.6	59.3	100.5	15885	13390	21319	50593	0.923	0.904	0.973	1	0.8	5.8	3.8	3.2	2.7
29-Dec-24	1:21:52 PM	50.1	250.7	249.7	218	68.6	59.3	100.5	15883	13395	21311	50590	0.923	0.904	0.973	0.9	0.7	5.8	3.8	3.2	2.7
29-Dec-24	1:21:53 PM	50.1	250.7	249.7	217.9	68.6	59.3	100.5	15880	13387	21299	50566	0.923	0.904	0.973	1	0.8	5.8	3.7	3.1	2.7
29-Dec-24	1:21:54 PM	50.11	250.7	249.7	217.9	68.6	59.3	100.5	15885	13385	21292	50562	0.923	0.904	0.973	1	0.7	5.8	3.7	3.1	2.7
29-Dec-24	1:21:55 PM	50.11	250.7	249.7	217.8	68.6	59.3	100.5	15885	13392	21296	50574	0.923	0.904	0.973	1	0.8	5.9	3.7	3.2	2.7
29-Dec-24	1:21:56 PM	50.11	250.7	249.7	217.7	68.6	59.3	100.5	15877	13390	21286	50554	0.923	0.904	0.973	0.9	0.8	5.9	3.7	3.2	2.7
29-Dec-24	1:21:57 PM	50.11	250.7	249.7	217.8	68.6	59.3	100.5	15875	13394	21285	50555	0.923	0.904	0.973	1	0.8	5.9	3.8	3.2	2.6
29-Dec-24	1:21:58 PM	50.11	250.7	249.7	217.7	68.5	59.3	100.5	15864	13394	21282	50540	0.923	0.904	0.973	0.9	0.8	6	3.8	3.3	2.7
29-Dec-24	1:21:59 PM	50.11	250.7	249.7	217.7	68.5	59.3	100.5	15864	13389	21278	50530	0.923	0.904	0.973	1	0.8	5.9	3.8	3.2	2.6
29-Dec-24	1:22:00 PM	50.11	250.7	249.7	217.7	68.5	59.3	100.5	15865	13394	21278	50537	0.923	0.904	0.973	0.9	0.7	5.9	3.7	3.1	2.7
29-Dec-24	1:22:01 PM	50.11	250.7	249.6	217.6	68.5	59.3	100.5	15857	13390	21283	50529	0.923	0.904	0.973	1	0.7	6	3.7	3.1	2.8
29-Dec-24	1:22:02 PM	50.11	250.7	249.7	217.7	68.5	59.3	100.5	15858	13395	21277	50530	0.923	0.904	0.973	0.9	0.7	6	3.7	3.2	2.7
29-Dec-24	1:22:03 PM	50.11	250.7	249.6	217.6	68.5	59.3	100.6	15854	13390	21285	50529	0.923	0.904	0.973	1	0.8	6	3.8	3.1	2.7
29-Dec-24	1:22:04 PM	50.11	250.7	249.7	217.6	68.5	59.3	100.5	15853	13392	21277	50522	0.923	0.904	0.973	1	0.7	5.9	3.8	3.1	2.7
29-Dec-24	1:22:05 PM	50.11	250.7	249.6	217.6	68.5	59.3	100.5	15850	13386	21282	50518	0.923	0.904	0.973	1	0.7	5.9	3.8	3.2	2.6
29-Dec-24	1:22:06 PM	50.11	250.7	249.6	217.6	68.5	59.3	100.6	15846	13388	21289	50523	0.923	0.904	0.973	1	0.9	5.9	3.8	3.1	2.8
29-Dec-24	1:22:07 PM	50.11	250.7	249.7	217.6	68.5	59.3	100.6	15845	13392	21291	50529	0.923	0.905	0.973	1	0.8	6	3.7	3.2	2.6
29-Dec-24	1:22:08 PM	50.11	250.7	249.6	217.6	68.4	59.3	100.6	15838	13382	21290	50510	0.923	0.904	0.973	0.9	0.7	6	3.7	3.2	2.7
29-Dec-24	1:22:09 PM	50.11	250.7	249.6	217.7	68.4	59.3	100.6	15841	13380	21297	50518	0.923	0.904	0.973	0.9	0.8	6	3.9	3.2	2.6
29-Dec-24	1:22:10 PM	50.11	250.7	249.6	217.6	68.4	59.3	100.6	15832	13376	21299	50508	0.923	0.904	0.973	1	0.7	6	3.8	3.2	2.7

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:22:11 PM	50.11	250.7	249.6	217.7	68.4	59.3	100.6	15836	13383	21298	50517	0.923	0.904	0.973	1	0.8	6	3.8	3.2	2.7
29-Dec-24	1:22:12 PM	50.11	250.8	249.6	217.6	68.4	60.3	101.5	15842	13668	21499	51009	0.923	0.908	0.973	1	0.8	6	3.8	3.2	2.7
29-Dec-24	1:22:13 PM	50.11	250.7	249.5	217.6	68.4	61.2	101.4	15835	13931	21477	51243	0.923	0.912	0.973	1	0.7	6	3.8	3	2.7
29-Dec-24	1:22:14 PM	50.11	250.7	249.5	217.7	68.4	61.2	100.6	15826	13928	21303	51058	0.923	0.912	0.973	1	0.8	6	3.7	3.1	2.6
29-Dec-24	1:22:15 PM	50.11	250.7	249.5	217.6	68.4	61.2	101.2	15832	13932	21427	51191	0.923	0.912	0.973	1	0.7	6	3.8	3.2	2.6
29-Dec-24	1:22:16 PM	50.11	250.8	249.5	217.6	68.4	61.2	101.5	15835	13934	21501	51270	0.923	0.912	0.973	1	0.8	6	3.7	3.1	2.6
29-Dec-24	1:22:17 PM	50.11	250.8	249.5	217.6	68.4	61.2	101.5	15837	13932	21497	51265	0.923	0.912	0.973	1	0.7	6	3.7	3	2.7
29-Dec-24	1:22:18 PM	50.11	250.8	249.5	217.5	68.4	61.2	101.6	15834	13933	21493	51260	0.923	0.912	0.973	1	0.7	6	3.8	3.2	2.6
29-Dec-24	1:22:19 PM	50.11	250.7	249.5	216.5	68.4	61.2	101.2	15821	13939	21306	51065	0.923	0.912	0.973	0.9	0.7	6	3.7	3	2.6
29-Dec-24	1:22:20 PM	50.11	250.7	249.5	216.4	68.4	61.2	100.9	15819	13937	21249	51005	0.923	0.912	0.973	1	0.8	6	3.8	3	2.6
29-Dec-24	1:22:21 PM	50.12	250.7	249.5	216.4	68.4	61.2	101.6	15837	13939	21383	51158	0.923	0.912	0.973	0.9	0.7	6	3.8	3.1	2.6
29-Dec-24	1:22:22 PM	50.12	250.7	249.5	216.3	68.5	61.2	101.5	15844	13940	21368	51151	0.923	0.913	0.973	0.9	0.8	6	3.8	3	2.6
29-Dec-24	1:22:23 PM	50.12	250.7	249.5	216.3	68.5	61.2	101.5	15846	13944	21370	51161	0.923	0.913	0.973	0.9	0.7	6	3.7	3.1	2.5
29-Dec-24	1:22:24 PM	50.12	250.6	249.5	216.3	68.5	61.2	101.4	15843	13943	21348	51134	0.923	0.913	0.973	0.9	0.8	6	3.7	3.1	2.6
29-Dec-24	1:22:25 PM	50.12	250.5	249.5	216.2	68.4	61.3	100.7	15824	13954	21174	50952	0.923	0.913	0.973	0.9	0.7	6	3.7	3	2.6
29-Dec-24	1:22:26 PM	50.12	250.4	249.5	216.2	68.4	61.3	101.3	15822	13965	21310	51097	0.923	0.913	0.973	0.9	0.8	6	3.7	3.1	2.6
29-Dec-24	1:22:27 PM	50.12	250.4	249.5	216.2	68.4	61.3	101.6	15818	13968	21375	51161	0.923	0.913	0.973	0.9	0.7	6	3.7	3	2.5
29-Dec-24	1:22:28 PM	50.12	250.5	249.5	216.1	68.4	61.3	101.6	15819	13964	21364	51147	0.923	0.913	0.973	1	0.8	6	3.8	3.2	2.6
29-Dec-24	1:22:29 PM	50.12	250.5	249.6	216.1	68.4	61.3	101.6	15823	13963	21373	51159	0.923	0.913	0.973	0.9	0.8	6	3.8	3	2.6
29-Dec-24	1:22:30 PM	50.12	250.5	249.5	216.3	68.4	61.3	101.2	15818	13965	21293	51076	0.923	0.913	0.973	1	0.9	5.9	3.6	3.1	2.6
29-Dec-24	1:22:31 PM	50.12	250.5	249.5	216.3	68.4	61.3	100.7	15814	13967	21198	50979	0.923	0.913	0.973	0.9	0.8	6	3.8	3	2.6
29-Dec-24	1:22:32 PM	50.12	250.6	249.5	216.2	68.4	61.3	101.7	15820	13967	21403	51190	0.923	0.913	0.973	1	0.8	6	3.8	3.1	2.6
29-Dec-24	1:22:33 PM	50.12	250.6	249.5	216.3	68.6	61.3	101.6	15869	13966	21388	51222	0.922	0.913	0.973	0.9	0.8	6	3.8	3.1	2.6
29-Dec-24	1:22:34 PM	50.12	250.6	249.5	216.3	68.8	61.3	101.6	15905	13972	21399	51276	0.922	0.913	0.973	1	0.9	5.9	3.7	3.1	2.6
29-Dec-24	1:22:35 PM	50.12	250.6	249.5	216.3	68.9	61.3	101.6	15914	13965	21385	51263	0.922	0.913	0.973	0.9	0.8	6	3.7	3	2.6
29-Dec-24	1:22:36 PM	50.12	250.5	249.5	216.2	68.8	61.3	100.9	15880	13973	21229	51082	0.922	0.913	0.973	1	0.8	5.9	3.6	3.1	2.7
29-Dec-24	1:22:37 PM	50.12	250.6	249.5	216.3	68.8	61.3	101.2	15895	13967	21295	51157	0.922	0.913	0.973	0.9	0.8	6	3.7	3	2.7
29-Dec-24	1:22:38 PM	50.12	250.6	249.5	216.3	68.8	61.3	101.7	15892	13969	21399	51260	0.922	0.913	0.973	0.9	0.9	5.9	3.8	3.1	2.6
29-Dec-24	1:22:39 PM	50.12	250.6	249.5	216.5	68.8	61.3	101.7	15896	13972	21421	51290	0.922	0.913	0.973	0.9	0.8	6	3.8	3	2.7
29-Dec-24	1:22:40 PM	50.12	250.6	249.5	216.5	68.8	61.3	101.6	15893	13971	21412	51276	0.922	0.913	0.973	0.9	0.7	5.9	3.8	3.2	2.6
29-Dec-24	1:22:41 PM	50.12	250.4	249.3	216.4	68.8	61.3	101.6	15886	13965	21395	51246	0.922	0.914	0.973	1	0.7	6	3.8	3.1	2.7
29-Dec-24	1:22:42 PM	50.12	250.6	249.5	216.6	68.9	61.4	100.8	15908	13986	21238	51132	0.922	0.914	0.973	1	0.8	6	3.8	3.1	2.7
29-Dec-24	1:22:43 PM	50.12	250.6	249.6	216.5	68.9	61.4	101.5	15917	13985	21385	51288	0.922	0.913	0.973	0.9	0.8	6	3.8	3.2	2.8
29-Dec-24	1:22:44 PM	50.12	250.6	249.5	216.5	68.9	61.3	101.6	15916	13981	21412	51309	0.922	0.913	0.973	0.9	0.8	6	3.8	3.3	2.6
29-Dec-24	1:22:45 PM	50.12	250.7	249.6	216.5	68.9	61.4	101.6	15922	13982	21408	51313	0.922	0.913	0.973	0.9	0.9	6	3.8	3.1	2.6
29-Dec-24	1:22:46 PM	50.12	250.7	249.6	216.4	68.9	61.4	101.6	15921	13986	21399	51307	0.922	0.913	0.973	0.9	0.8	6	3.8	3.1	2.7
29-Dec-24	1:22:47 PM	50.12	250.7	249.6	216.5	68.9	61.4	101.1	15916	13992	21287	51195	0.921	0.913	0.973	0.9	0.8	6	3.8	3.1	2.6
29-Dec-24	1:22:48 PM	50.12	250.6	249.6	216.5	68.9	61.4	100.9	15919	13997	21255	51170	0.922	0.913	0.973	0.9	0.9	6	3.8	3.1	2.7
29-Dec-24	1:22:49 PM	50.12	250.6	249.6	216.4	69	61.4	101.7	15943	13998	21417	51358	0.922	0.913	0.973	0.9	0.8	6	3.9	3.1	2.6
29-Dec-24	1:22:50 PM	50.12	250.6	249.5	216.3	69	61.4	101.6	15934	13989	21387	51310	0.922	0.913	0.973	1	0.9	6	3.8	3.2	2.7
29-Dec-24	1:22:51 PM	50.12	250.6	249.5	216.2	69	61.4	101.6	15937	13988	21390	51315	0.922	0.913	0.973	1	0.7	6	3.9	3.1	2.7
29-Dec-24	1:22:52 PM	50.12	250.7	249.5	216.3	69	61.4	101.6	15940	13987	21389	51316	0.922	0.913	0.973	0.9	0.8	5.9	3.8	3.1	2.6

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:22:53 PM	50.12	250.6	249.5	216.2	69	61.4	100.9	15936	13983	21237	51156	0.922	0.913	0.973	1	0.7	6	3.9	3.1	2.7
29-Dec-24	1:22:54 PM	50.12	250.7	249.5	216.2	69	61.4	101.2	15945	13983	21295	51223	0.922	0.913	0.973	0.9	0.8	6	3.9	3.2	2.6
29-Dec-24	1:22:55 PM	50.12	250.6	249.4	216.1	69	61.3	101.6	15945	13978	21374	51297	0.922	0.914	0.973	0.9	0.7	6	3.8	3	2.6
29-Dec-24	1:22:56 PM	50.12	250.6	249.4	216.1	69	61.4	101.6	15941	13983	21362	51286	0.922	0.914	0.973	0.9	0.7	6	3.9	3.1	2.6
29-Dec-24	1:22:57 PM	50.11	250.6	249.4	216.1	69	61.4	101.6	15939	13981	21361	51280	0.922	0.913	0.973	1	0.7	6	3.9	3.1	2.6
29-Dec-24	1:22:58 PM	50.11	250.7	249.4	216.1	69	61.4	101.2	15945	13983	21283	51210	0.922	0.914	0.973	0.9	0.7	6	3.9	3.1	2.6
29-Dec-24	1:22:59 PM	50.11	250.7	249.4	216.1	69	61.4	100.7	15949	13986	21166	51100	0.922	0.914	0.973	0.9	0.7	6.1	3.9	3.1	2.6
29-Dec-24	1:23:00 PM	50.11	250.7	249.4	216	69	61.4	101.5	15953	13983	21337	51273	0.922	0.913	0.973	0.9	0.7	6	3.9	3.1	2.5
29-Dec-24	1:23:01 PM	50.11	250.2	249.2	216.8	69.1	61.4	101.6	15911	14002	21429	51342	0.921	0.915	0.973	0.9	0.7	6	3.9	3	2.6
29-Dec-24	1:23:02 PM	50.11	249.9	249.1	217.2	69.1	61.4	101.6	15886	14005	21458	51349	0.92	0.915	0.973	1	0.9	5.9	3.9	3.2	2.6
29-Dec-24	1:23:03 PM	50.1	250.1	249.2	216.9	69.1	61.4	101.5	15900	14008	21423	51330	0.921	0.915	0.973	0.9	0.8	5.7	4	3.2	2.6
29-Dec-24	1:23:04 PM	50.1	250.4	249.3	216.5	69.1	61.4	100.9	15928	14007	21252	51186	0.921	0.914	0.973	0.9	0.8	5.9	4	3	2.6
29-Dec-24	1:23:05 PM	50.1	250.5	249.4	216.3	69	61.4	101	15934	14004	21257	51196	0.921	0.914	0.973	1	0.7	6.1	3.9	3.1	2.7
29-Dec-24	1:23:06 PM	50.1	250.7	249.5	215.9	69.1	61.4	101.5	15958	14005	21334	51297	0.922	0.914	0.973	1	0.7	6.1	4	3.1	2.6
29-Dec-24	1:23:07 PM	50.1	250.7	249.5	216	68.8	61.4	101.5	15920	14001	21340	51262	0.923	0.914	0.973	0.9	0.8	6	3.9	3.2	2.7
29-Dec-24	1:23:08 PM	50.1	250.4	249.2	216.6	68.6	61.5	101.5	15840	14029	21404	51273	0.922	0.915	0.973	0.9	0.7	6	4	3.1	2.6
29-Dec-24	1:23:09 PM	50.1	248.9	248.3	218.9	68.6	61.6	101.3	15695	14042	21577	51315	0.919	0.919	0.973	1.1	1.4	6	3.9	3.2	2.6
29-Dec-24	1:23:10 PM	50.1	250.7	249.5	215.7	68.6	61.5	100.6	15874	14031	21111	51016	0.923	0.914	0.973	1	0.8	6.1	4	3.1	2.7
29-Dec-24	1:23:11 PM	50.1	250.8	249.4	215.5	68.6	63.6	101.3	15880	14243	21252	51375	0.923	0.897	0.973	0.9	0.8	6.2	4	4.6	2.6
29-Dec-24	1:23:12 PM	50.1	250.8	249.4	215.5	68.6	63.9	101.5	15881	14269	21281	51432	0.923	0.895	0.973	0.9	0.8	6.2	4	4.6	2.6
29-Dec-24	1:23:13 PM	50.1	250.8	249.2	215.5	68.6	67.6	101.5	15887	15506	21294	52687	0.923	0.921	0.974	0.9	0.9	6.2	4	5.7	2.6
29-Dec-24	1:23:14 PM	50.1	250.8	249.2	215.4	68.7	67.9	101.5	15891	15619	21283	52793	0.923	0.923	0.974	0.9	0.9	6.2	4	5.7	2.6
29-Dec-24	1:23:15 PM	50.1	250.8	249.1	215.2	68.7	67.9	102.8	15896	15616	21554	53066	0.923	0.923	0.974	1	0.9	6.2	4	5.7	2.5
29-Dec-24	1:23:16 PM	50.1	250.9	249.2	214.8	68.8	67.9	108.4	15917	15627	22764	54308	0.923	0.924	0.978	0.9	0.8	6.2	4	5.8	2.6
29-Dec-24	1:23:17 PM	50.1	250.9	249.2	214.7	68.8	67.9	109.1	15918	15626	22899	54443	0.923	0.923	0.978	1	0.8	6.3	4	5.8	2.4
29-Dec-24	1:23:18 PM	50.1	250.9	249.2	214.5	68.8	67.9	109.1	15919	15629	22865	54413	0.923	0.923	0.978	1	0.9	6.3	4	5.8	2.4
29-Dec-24	1:23:19 PM	50.1	251	249.3	214.4	68.8	67.9	109	15925	15632	22854	54411	0.923	0.923	0.978	1	0.9	6.3	4	5.8	2.4
29-Dec-24	1:23:20 PM	50.1	251	249.3	214.4	68.8	67.9	109	15920	15628	22847	54395	0.922	0.923	0.978	1	0.8	6.4	3.9	5.7	2.4
29-Dec-24	1:23:21 PM	50.1	250.9	249.3	214.4	68.8	67.9	108.2	15915	15624	22665	54203	0.922	0.923	0.977	0.9	0.9	6.4	3.9	5.8	2.5
29-Dec-24	1:23:22 PM	50.1	250.9	249.3	214.3	68.7	67.9	108.8	15914	15623	22792	54328	0.923	0.923	0.978	1	0.8	6.4	3.9	5.8	2.6
29-Dec-24	1:23:23 PM	50.1	250.9	249.2	214.2	68.7	67.9	109.2	15907	15619	22868	54394	0.923	0.923	0.978	1	0.8	6.4	3.9	5.8	2.5
29-Dec-24	1:23:24 PM	50.09	250.9	249.2	214.1	68.7	67.9	109.1	15909	15617	22847	54372	0.923	0.923	0.978	1	0.8	6.4	3.9	5.8	2.4
29-Dec-24	1:23:25 PM	50.09	250.8	249.2	214	68.7	67.8	109.1	15906	15612	22837	54355	0.923	0.924	0.978	1	0.8	6.4	3.9	5.8	2.5
29-Dec-24	1:23:26 PM	50.09	250.8	249.2	213.9	68.7	67.9	109.1	15907	15620	22818	54346	0.923	0.924	0.977	1	0.8	6.5	4	5.8	2.4
29-Dec-24	1:23:27 PM	50.09	250.8	249.2	213.9	68.7	67.9	108.3	15909	15612	22632	54153	0.923	0.923	0.977	1	0.8	6.6	4	5.8	2.5
29-Dec-24	1:23:28 PM	50.09	250.8	249.2	213.8	68.7	67.8	108.9	15910	15608	22766	54284	0.923	0.924	0.978	1	0.8	6.6	3.9	5.8	2.6
29-Dec-24	1:23:29 PM	50.09	250.8	249.1	213.7	68.7	67.8	109.1	15908	15612	22804	54324	0.923	0.924	0.978	1	0.9	6.6	4	6	2.5
29-Dec-24	1:23:30 PM	50.09	250.8	249.2	213.8	68.7	67.8	109.1	15907	15604	22804	54315	0.923	0.923	0.978	1	0.8	6.6	3.9	5.9	2.5
29-Dec-24	1:23:31 PM	50.09	250.9	249.2	213.7	68.7	67.8	109.1	15908	15606	22790	54304	0.923	0.924	0.978	1	0.9	6.6	3.9	6	2.4
29-Dec-24	1:23:32 PM	50.09	250.9	249.2	213.5	68.8	67.8	112	15916	15614	23392	54923	0.923	0.924	0.979	1	0.8	6.6	3.9	5.9	2.3
29-Dec-24	1:23:33 PM	50.09	250.8	249.2	213.4	68.8	67.8	112.2	15917	15615	23433	54965	0.923	0.924	0.979	1	0.8	6.6	4	5.8	2.4
29-Dec-24	1:23:34 PM	50.09	250.9	249.2	213.3	68.7	67.8	113.1	15911	15615	23612	55138	0.923	0.924	0.979	1	0.8	6.6	4	5.8	2.3

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:23:35 PM	50.09	250.9	249.2	213.3	68.7	67.8	113.1	15912	15605	23617	55134	0.923	0.924	0.979	1	0.8	6.6	3.9	6	2.3
29-Dec-24	1:23:36 PM	50.08	250.8	249.2	213.2	68.7	67.8	113	15912	15597	23582	55092	0.923	0.924	0.979	1	0.8	6.7	4	5.8	2.4
29-Dec-24	1:23:37 PM	50.08	250.9	249.2	213.2	68.7	67.7	113	15910	15593	23583	55086	0.923	0.924	0.979	1	0.8	6.8	4	5.8	2.3
29-Dec-24	1:23:38 PM	50.08	250.9	249.2	213.2	68.7	67.7	112.5	15912	15586	23480	54977	0.923	0.924	0.979	1	0.8	6.8	3.9	5.9	2.3
29-Dec-24	1:23:39 PM	50.08	250.9	249.2	213.2	68.8	67.7	112.3	15913	15589	23435	54937	0.923	0.924	0.979	1	0.8	6.8	4	5.9	2.3
29-Dec-24	1:23:40 PM	50.08	250.9	249.2	213.1	68.7	67.6	113.2	15912	15551	23606	55069	0.923	0.923	0.979	1	0.8	6.8	3.9	5.8	2.2
29-Dec-24	1:23:41 PM	50.08	250.8	249.6	213.1	68.7	61.4	113	15906	13995	23564	53464	0.923	0.913	0.979	1	0.7	6.8	4	3.3	2.3
29-Dec-24	1:23:42 PM	50.08	250.8	249.6	213	68.7	61.3	113	15902	13981	23551	53435	0.923	0.914	0.979	1	0.7	6.9	4	3.3	2.3
29-Dec-24	1:23:43 PM	50.08	250.8	249.6	212.9	68.7	61.4	113	15908	13995	23536	53438	0.923	0.914	0.979	1	0.7	6.9	3.9	3.4	2.4
29-Dec-24	1:23:44 PM	50.08	250.8	249.6	213	68.7	61.3	112.1	15904	13988	23371	53263	0.923	0.914	0.979	1	0.7	6.9	4	3.3	2.2
29-Dec-24	1:23:45 PM	50.08	250.8	249.6	213	68.7	61.3	112.6	15910	13972	23466	53348	0.923	0.914	0.979	1	0.7	6.9	4	3.3	2.4
29-Dec-24	1:23:46 PM	50.08	250.8	249.6	212.8	68.7	61.1	112.9	15909	13932	23530	53371	0.923	0.913	0.979	1	0.7	6.9	4	3.5	2.3
29-Dec-24	1:23:47 PM	50.08	250.9	249.6	212.7	68.7	61.1	113	15907	13916	23518	53341	0.923	0.913	0.979	1	0.7	6.9	4	3.4	2.3
29-Dec-24	1:23:48 PM	50.08	250.9	249.6	212.7	68.7	61.1	112.9	15909	13917	23514	53339	0.923	0.913	0.979	1	0.7	6.9	4	3.4	2.4
29-Dec-24	1:23:49 PM	50.08	250.9	249.6	212.7	68.7	61	112.9	15915	13888	23491	53294	0.923	0.912	0.979	1	0.7	7	4	3.4	2.3
29-Dec-24	1:23:50 PM	50.08	250.9	249.6	212.7	68.7	61	112.1	15912	13893	23325	53129	0.923	0.913	0.979	1	0.8	7	4	3.4	2.4
29-Dec-24	1:23:51 PM	50.08	250.9	249.7	212.6	68.7	61	112.8	15913	13885	23467	53265	0.923	0.912	0.979	1	0.8	7	3.9	3.4	2.3
29-Dec-24	1:23:52 PM	50.08	250.8	249.7	212.6	68.7	60.8	112.9	15914	13832	23493	53239	0.923	0.912	0.979	1	0.8	7	4	3.5	2.3
29-Dec-24	1:23:53 PM	50.08	250.8	249.6	212.6	68.7	60.7	112.9	15918	13812	23487	53217	0.923	0.912	0.979	1	0.8	6.9	3.9	3.5	2.2
29-Dec-24	1:23:54 PM	50.09	250.8	249.6	212.5	68.7	60.6	112.9	15915	13792	23470	53178	0.923	0.911	0.979	1	0.8	6.9	4	3.5	2.2
29-Dec-24	1:23:55 PM	50.08	250.8	249.7	212.5	68.8	60.5	112.4	15921	13768	23381	53070	0.923	0.911	0.979	1	0.7	6.9	4	3.6	2.2
29-Dec-24	1:23:56 PM	50.08	250.9	249.7	212.6	68.7	60.3	112	15922	13706	23300	52928	0.923	0.91	0.979	1	0.9	7	3.9	3.7	2.2
29-Dec-24	1:23:57 PM	50.08	250.9	249.7	212.5	68.7	60.3	112.9	15923	13696	23492	53112	0.923	0.91	0.979	1	0.8	7	3.9	3.6	2.2
29-Dec-24	1:23:58 PM	50.08	250.9	249.7	212.5	68.7	60.2	112.9	15927	13672	23485	53084	0.923	0.91	0.979	1	0.9	7	4	3.6	2.2
29-Dec-24	1:23:59 PM	50.09	250.9	249.7	212.5	68.7	60.2	112.9	15916	13674	23479	53069	0.923	0.909	0.979	1	0.9	7	3.9	3.6	2.2
29-Dec-24	1:24:00 PM	50.09	250.9	249.7	212.5	68.7	60.2	112.9	15919	13662	23479	53060	0.923	0.909	0.979	1	0.9	7	4	3.6	2.2
29-Dec-24	1:24:01 PM	50.09	250.9	249.8	212.5	68.6	60.2	112.3	15890	13661	23360	52911	0.923	0.909	0.979	1	0.9	7	4	3.4	2.2
29-Dec-24	1:24:02 PM	50.09	250.9	249.8	212.5	68.5	60.2	112.2	15874	13661	23334	52869	0.923	0.909	0.979	1	0.9	7	3.7	3.5	2.2
29-Dec-24	1:24:03 PM	50.09	250.9	249.8	212.4	68.6	60.1	112.8	15875	13654	23453	52982	0.923	0.909	0.979	1	0.8	7	3.7	3.6	2.3
29-Dec-24	1:24:04 PM	50.09	250.9	249.7	212.3	68.6	60.1	112.8	15876	13640	23452	52968	0.923	0.909	0.979	1	0.8	7	3.7	3.4	2.2
29-Dec-24	1:24:05 PM	50.09	251	249.8	212.3	68.6	60	112.8	15890	13613	23450	52953	0.922	0.908	0.979	1	0.8	7.1	3.7	3.4	2.3
29-Dec-24	1:24:06 PM	50.09	251	249.8	212.3	68.6	60	112.8	15895	13608	23448	52951	0.923	0.908	0.979	1	0.8	7.1	3.7	3.2	2.2
29-Dec-24	1:24:07 PM	50.09	251	249.8	212.3	68.6	60	112.1	15891	13603	23282	52775	0.923	0.908	0.979	1	0.8	7.1	3.7	3.3	2.4
29-Dec-24	1:24:08 PM	50.09	251	249.8	212.3	68.6	60	112.3	15889	13598	23328	52815	0.923	0.908	0.979	1	0.8	7.1	3.7	3.4	2.3
29-Dec-24	1:24:09 PM	50.09	251	249.8	212.3	68.6	60	112.9	15893	13601	23450	52943	0.923	0.908	0.979	1	0.8	7.2	3.7	3.2	2.2
29-Dec-24	1:24:10 PM	50.09	251	249.8	212.2	68.7	59.9	112.9	15896	13573	23454	52923	0.922	0.907	0.979	1	0.8	7.2	3.7	3.3	2.3
29-Dec-24	1:24:11 PM	50.09	251	249.8	212.2	68.6	59.9	112.9	15898	13569	23452	52919	0.923	0.907	0.979	1	0.8	7.2	3.8	3.1	2.3
29-Dec-24	1:24:12 PM	50.09	251	249.8	212.1	68.7	59.8	112.9	15898	13558	23441	52896	0.922	0.907	0.979	1	0.8	7.2	3.7	3.2	2.4
29-Dec-24	1:24:13 PM	50.09	251	249.8	212.1	68.6	59.7	112.1	15893	13520	23267	52680	0.923	0.906	0.979	1	0.8	7.2	3.7	3.2	2.4
29-Dec-24	1:24:14 PM	50.09	251.1	249.8	212	68.6	59.7	112.4	15896	13511	23315	52723	0.923	0.906	0.979	1	0.8	7.2	3.7	3.2	2.4
29-Dec-24	1:24:15 PM	50.09	251.2	249.7	212	68.6	63.3	113	15906	14480	23447	53833	0.923	0.916	0.979	0.9	0.8	7.2	3.8	3.1	2.3
29-Dec-24	1:24:16 PM	50.09	251.2	249.5	212	68.6	67.4	113.1	15909	15624	23470	55003	0.923	0.93	0.979	0.9	0.8	7.3	3.7	2.6	2.3

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:24:17 PM	50.09	251.3	249.5	212.1	68.7	67.3	113.1	15915	15618	23482	55015	0.923	0.93	0.979	0.9	0.8	7.3	3.7	2.6	2.3
29-Dec-24	1:24:18 PM	50.09	251.3	249.5	212.1	68.7	67.3	113.1	15920	15610	23479	55010	0.922	0.929	0.979	0.9	0.8	7.3	3.7	2.6	2.4
29-Dec-24	1:24:19 PM	50.09	251.3	249.6	212	68.7	67.2	112.3	15918	15596	23296	54809	0.923	0.929	0.979	0.9	0.8	7.3	3.7	2.5	2.3
29-Dec-24	1:24:20 PM	50.09	251.3	249.5	211.9	68.7	67.2	112.8	15919	15589	23386	54894	0.923	0.929	0.979	0.9	0.8	7.3	3.7	2.6	2.4
29-Dec-24	1:24:21 PM	50.1	251.4	249.6	211.9	68.7	67.2	113.2	15925	15588	23476	54989	0.922	0.929	0.979	0.9	0.8	7.3	3.7	2.6	2.3
29-Dec-24	1:24:22 PM	50.1	251.3	249.6	211.8	68.7	67.2	113.2	15920	15579	23459	54958	0.922	0.929	0.979	0.9	0.8	7.5	3.7	2.6	2.3
29-Dec-24	1:24:23 PM	50.1	251.3	249.6	212	68.7	67.2	113.1	15918	15570	23478	54966	0.923	0.929	0.979	0.9	0.8	7.3	3.7	2.7	2.4
29-Dec-24	1:24:24 PM	50.1	251.3	249.6	212	68.7	67.1	113.1	15923	15564	23464	54951	0.923	0.929	0.979	0.9	0.8	7.3	3.7	2.7	2.3
29-Dec-24	1:24:25 PM	50.1	251.4	249.6	211.9	68.6	67	112.3	15915	15538	23274	54728	0.922	0.929	0.978	0.9	0.8	7.5	3.8	2.6	2.4
29-Dec-24	1:24:26 PM	50.1	251.4	249.6	211.8	68.7	67	112.8	15922	15541	23384	54848	0.923	0.929	0.978	1	0.8	7.5	3.7	2.7	2.4
29-Dec-24	1:24:27 PM	50.11	251.4	249.7	211.6	68.7	67	113.1	15927	15542	23432	54901	0.923	0.929	0.979	1	0.8	7.5	3.7	2.6	2.3
29-Dec-24	1:24:28 PM	50.11	251.4	249.6	211.6	68.7	67.1	113.2	15924	15547	23437	54907	0.922	0.929	0.979	0.9	0.8	7.6	3.7	2.7	2.4
29-Dec-24	1:24:29 PM	50.11	251.4	249.6	211.5	68.7	67.1	113.2	15927	15550	23426	54904	0.923	0.929	0.979	0.9	0.8	7.6	3.7	2.6	2.3
29-Dec-24	1:24:30 PM	50.11	251.4	249.6	211.4	68.7	67.1	113	15932	15551	23385	54868	0.923	0.929	0.978	0.9	0.8	7.6	3.7	2.7	2.3
29-Dec-24	1:24:31 PM	50.11	251.4	249.6	211.4	68.7	67.1	112.3	15932	15555	23224	54711	0.923	0.929	0.978	1	0.8	7.6	3.7	2.7	2.3
29-Dec-24	1:24:32 PM	50.11	251.4	249.6	211.2	68.7	67.1	112.9	15927	15548	23343	54818	0.923	0.929	0.978	1	0.8	7.7	3.7	2.7	2.4
29-Dec-24	1:24:33 PM	50.11	251.3	249.6	211.1	68.7	67.1	113.2	15929	15547	23381	54857	0.923	0.929	0.979	1	0.8	7.6	3.6	2.6	2.3
29-Dec-24	1:24:34 PM	50.11	251.3	249.5	211	68.7	67	113.1	15919	15541	23357	54816	0.923	0.929	0.979	1	0.8	7.7	3.8	2.7	2.2
29-Dec-24	1:24:35 PM	50.11	251.3	249.5	210.9	68.7	67	113.2	15921	15543	23355	54819	0.923	0.929	0.979	1	0.8	7.8	3.7	2.7	2.3
29-Dec-24	1:24:36 PM	50.11	251.3	249.5	210.7	68.6	67	112.9	15911	15540	23266	54717	0.923	0.929	0.978	1	0.8	7.8	3.7	2.6	2.3
29-Dec-24	1:24:37 PM	50.11	251.3	249.6	210.6	68.6	67	112.2	15917	15543	23131	54591	0.923	0.929	0.978	0.9	0.8	7.8	3.7	2.6	2.4
29-Dec-24	1:24:38 PM	50.11	251.3	249.6	210.7	68.7	67	113.1	15924	15544	23320	54788	0.923	0.929	0.979	1	0.8	7.7	3.7	2.6	2.3
29-Dec-24	1:24:39 PM	50.11	251.3	249.6	210.6	68.7	67.1	113.1	15925	15546	23312	54783	0.923	0.929	0.978	1	0.8	7.8	3.7	2.7	2.3
29-Dec-24	1:24:40 PM	50.11	251.3	249.6	210.4	68.7	67	113.2	15926	15539	23291	54756	0.923	0.929	0.978	1	0.8	8	3.7	2.6	2.4
29-Dec-24	1:24:41 PM	50.11	251.3	249.6	210.2	68.7	67	113.1	15936	15541	23267	54744	0.923	0.929	0.978	1	0.8	8.1	3.7	2.7	2.5
29-Dec-24	1:24:42 PM	50.11	251.3	249.5	210.1	68.7	67.1	112.5	15930	15548	23124	54603	0.923	0.929	0.978	1	0.8	8	3.8	2.6	2.6
29-Dec-24	1:24:43 PM	50.11	251.3	249.5	210	68.7	67.1	112.4	15929	15546	23091	54566	0.923	0.929	0.978	1	0.8	7.9	3.8	2.6	2.3
29-Dec-24	1:24:44 PM	50.11	251.3	249.5	209.5	68.7	67.1	113.2	15926	15541	23195	54662	0.923	0.929	0.978	1	0.9	8	3.7	2.7	2.4
29-Dec-24	1:24:45 PM	50.11	251.3	249.5	210	68.7	67.1	113.1	15931	15543	23249	54722	0.923	0.929	0.979	1	0.8	8.3	3.7	2.7	2.4
29-Dec-24	1:24:46 PM	50.11	251.2	249.5	209.8	68.7	67	113.1	15927	15533	23218	54678	0.923	0.929	0.978	1	0.8	8.2	3.7	2.6	2.4
29-Dec-24	1:24:47 PM	50.11	251.2	249.5	209.3	68.3	67	113.1	15840	15532	23157	54528	0.924	0.929	0.978	1	0.9	8.4	3.7	2.7	2.4
29-Dec-24	1:24:48 PM	50.11	251.3	249.5	209.5	67.3	67	112.4	15650	15528	23042	54220	0.926	0.929	0.978	1	0.9	8.2	3.9	2.7	2.4
29-Dec-24	1:24:49 PM	50.11	251.3	249.5	209	67.3	67	112.5	15652	15533	22994	54179	0.926	0.929	0.978	1	0.8	8.5	3.8	2.6	2.4
29-Dec-24	1:24:50 PM	50.11	251.3	249.5	208.9	67.3	67	113.2	15650	15528	23122	54300	0.926	0.929	0.978	1	0.9	8.4	3.7	2.7	2.3
29-Dec-24	1:24:51 PM	50.11	251.3	249.5	208.6	67.3	67	113	15655	15530	23065	54249	0.926	0.929	0.978	1	0.8	8.6	3.7	2.6	2.4
29-Dec-24	1:24:52 PM	50.11	251.4	249.5	208.1	67.3	67	113.1	15657	15535	23017	54208	0.926	0.929	0.978	1	0.9	9.1	3.8	2.7	2.4
29-Dec-24	1:24:53 PM	50.12	251.4	249.6	209.5	67.3	67	113.1	15658	15540	23171	54369	0.926	0.929	0.978	1	0.8	8.5	3.7	2.5	2.4
29-Dec-24	1:24:54 PM	50.12	251.4	249.6	209.4	67.3	67	112.3	15655	15543	22987	54184	0.926	0.929	0.978	1	0.9	8.6	3.7	2.6	2.3
29-Dec-24	1:24:55 PM	50.12	251.4	249.5	209.3	67.3	67	112.6	15654	15544	23044	54242	0.926	0.929	0.978	1	0.8	8.7	3.7	2.6	2.4
29-Dec-24	1:24:56 PM	50.12	251.4	249.5	209.2	67.3	67	113.1	15655	15542	23137	54334	0.926	0.929	0.978	1	0.9	8.7	3.7	2.7	2.4
29-Dec-24	1:24:57 PM	50.12	251.4	249.5	209.2	67.3	67	113.2	15650	15541	23151	54342	0.926	0.929	0.978	1	0.8	8.7	3.9	2.7	2.4
29-Dec-24	1:24:58 PM	50.12	251.3	249.5	209.1	67.3	67	113.1	15647	15542	23137	54326	0.926	0.929	0.978	1	0.8	8.7	3.8	2.6	2.2

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:24:59 PM	50.12	251.3	249.5	209	67.3	67	113.1	15647	15541	23115	54303	0.926	0.929	0.978	1	0.9	8.7	3.7	2.7	2.4
29-Dec-24	1:25:00 PM	50.12	251.3	249.4	208.9	67.3	67	112.2	15642	15532	22907	54081	0.926	0.929	0.978	1	0.9	8.8	3.8	2.7	2.4
29-Dec-24	1:25:01 PM	50.11	251.3	249.4	208.7	67.3	67	112.8	15648	15532	23003	54183	0.926	0.929	0.978	1	0.8	9	3.8	2.7	2.4
29-Dec-24	1:25:02 PM	50.11	251.3	249.4	208.3	67.3	67	113	15643	15520	23017	54181	0.925	0.929	0.977	1	0.8	9.1	3.8	2.7	2.3
29-Dec-24	1:25:03 PM	50.11	251.3	249.4	208.1	67.3	67	113	15642	15519	22987	54148	0.926	0.929	0.977	1	0.9	9.2	3.7	2.7	2.4
29-Dec-24	1:25:04 PM	50.11	251.3	249.4	207.2	67.3	66.9	113	15647	15510	22886	54044	0.926	0.929	0.977	1	0.8	9.5	3.8	2.7	2.4
29-Dec-24	1:25:05 PM	50.11	251.3	249.3	206.9	67.3	66.9	112.8	15641	15506	22787	53934	0.925	0.929	0.977	1	0.8	9.8	3.8	2.6	2.3
29-Dec-24	1:25:06 PM	50.11	251.3	249.3	206.9	67.3	66.9	112.2	15649	15508	22693	53850	0.925	0.929	0.977	1	0.8	10.9	3.8	2.7	2.3
29-Dec-24	1:25:07 PM	50.11	251.3	249.4	211.7	67.3	66.9	112.9	15647	15511	23419	54578	0.925	0.929	0.979	1	0.9	6.7	3.9	2.6	2.4
29-Dec-24	1:25:08 PM	50.11	251.3	249.4	211.2	67.3	67	113.1	15644	15518	23397	54559	0.926	0.929	0.979	1	0.9	7	3.8	2.7	2.4
29-Dec-24	1:25:09 PM	50.11	251.3	249.4	210.7	67.2	67	113.1	15636	15513	23329	54478	0.925	0.929	0.979	1	0.8	7.2	3.9	2.6	2.4
29-Dec-24	1:25:10 PM	50.11	251.3	249.4	209.6	67.2	66.9	113.1	15642	15513	23205	54360	0.926	0.929	0.979	1	0.9	7.6	3.7	2.6	2.4
29-Dec-24	1:25:11 PM	50.11	251.4	249.5	207.5	67.3	67	112.7	15644	15520	22868	54032	0.925	0.929	0.978	1	0.8	8.7	3.8	2.6	2.4
29-Dec-24	1:25:12 PM	50.11	251.3	249.5	205	67.2	67	112.2	15640	15520	22467	53627	0.926	0.929	0.976	1	0.8	11.1	3.7	2.7	2.3
29-Dec-24	1:25:13 PM	50.12	251.4	249.5	215.8	67.3	67	113.1	15651	15535	23859	55045	0.926	0.929	0.977	1	0.9	10.3	3.8	2.6	2.4
29-Dec-24	1:25:14 PM	50.12	251.4	249.5	221.1	67.3	67	113.2	15651	15529	24485	55665	0.926	0.929	0.979	1	0.9	4.9	3.8	2.5	2.3
29-Dec-24	1:25:15 PM	50.12	251.3	249.5	219.4	67.3	67	113.3	15649	15530	24337	55516	0.926	0.929	0.979	1	0.9	5.8	3.7	2.6	2.5
29-Dec-24	1:25:16 PM	50.12	251.3	249.5	217.1	67.3	67	113.2	15648	15535	24046	55230	0.926	0.929	0.979	1	0.8	6.3	3.7	2.7	2.5
29-Dec-24	1:25:17 PM	50.12	251.2	249.5	217.5	67.2	67	112.5	15636	15529	23934	55099	0.926	0.929	0.978	0.9	0.9	6.2	3.7	2.7	2.4
29-Dec-24	1:25:18 PM	50.12	251.2	249.5	216.2	67.2	67	112.3	15629	15536	23746	54912	0.926	0.929	0.978	0.9	0.9	6.9	3.9	2.7	2.4
29-Dec-24	1:25:19 PM	50.12	251.2	249.5	214.2	67.2	67	113.3	15628	15534	23733	54894	0.926	0.929	0.978	0.9	0.9	7.6	3.8	2.7	2.4
29-Dec-24	1:25:20 PM	50.12	251.1	249.4	211.8	67.2	67	113.2	15627	15527	23427	54581	0.926	0.929	0.977	0.9	0.9	8.4	3.7	2.7	2.4
29-Dec-24	1:25:21 PM	50.12	251.3	249.4	213.7	67.2	66.9	112.4	15638	15515	23461	54613	0.926	0.929	0.977	0.9	0.8	8.9	3.7	2.6	2.4
29-Dec-24	1:25:22 PM	50.11	251.2	249.4	220.3	67.2	66.9	107.1	15612	15506	23034	54152	0.925	0.929	0.976	1	0.9	5.2	3.8	2.7	2.5
29-Dec-24	1:25:23 PM	50.11	251.1	249.3	217.5	67.2	66.9	106.4	15607	15503	22573	53683	0.925	0.929	0.975	1	0.9	7.3	3.7	2.7	2.7
29-Dec-24	1:25:24 PM	50.11	251.1	249.4	219.9	67.1	66.9	106.4	15601	15505	22831	53937	0.925	0.929	0.976	0.9	0.9	5	3.7	2.7	2.7
29-Dec-24	1:25:25 PM	50.11	251.2	249.4	219.3	67.1	66.9	107.1	15602	15507	22908	54017	0.925	0.929	0.976	1	0.9	6.5	3.7	2.7	2.6
29-Dec-24	1:25:26 PM	50.11	251.2	249.4	221.6	67.1	66.9	107.1	15597	15507	23130	54235	0.925	0.929	0.975	1	0.9	5.9	3.8	2.6	2.6
29-Dec-24	1:25:27 PM	50.11	251.2	249.4	220.8	67.1	66.9	107.1	15598	15504	23024	54126	0.925	0.929	0.974	1	0.8	6.4	3.7	2.7	2.5
29-Dec-24	1:25:28 PM	50.11	251.1	249.4	220.8	67.1	66.9	107.1	15603	15512	23032	54146	0.925	0.929	0.974	1	0.9	6.8	3.7	2.7	2.7
29-Dec-24	1:25:29 PM	50.11	251.1	249.3	219.9	67.1	66.9	106.4	15598	15504	22770	53873	0.925	0.929	0.973	1	0.9	6.9	3.8	2.7	2.7
29-Dec-24	1:25:30 PM	50.11	251.1	249.3	220.9	67.1	66.9	106.6	15599	15509	22957	54065	0.925	0.93	0.975	1	0.9	5.9	3.7	2.7	2.7
29-Dec-24	1:25:31 PM	50.11	251.1	249.3	222.9	67.2	66.9	107.2	15605	15508	23320	54433	0.925	0.93	0.976	1	0.9	4.3	3.8	2.6	2.7
29-Dec-24	1:25:32 PM	50.11	251.2	249.4	222.1	67.2	66.9	107.2	15608	15514	23251	54372	0.925	0.929	0.976	1	0.9	4.4	3.7	2.7	2.6
29-Dec-24	1:25:33 PM	50.11	251.1	249.4	221.4	67.1	66.9	107.2	15598	15517	23168	54283	0.925	0.929	0.976	1	0.9	4.6	3.8	2.6	2.6
29-Dec-24	1:25:34 PM	50.11	251.1	249.4	221	67.1	66.9	107.2	15596	15513	23125	54234	0.925	0.929	0.976	1	0.9	4.8	3.7	2.7	2.7
29-Dec-24	1:25:35 PM	50.11	251.1	249.3	220.8	67.1	66.9	106.4	15599	15513	22925	54037	0.925	0.93	0.976	1	0.9	4.9	3.8	2.7	2.7
29-Dec-24	1:25:36 PM	50.11	251.2	249.3	220.6	67.1	66.9	106.8	15603	15506	23009	54118	0.925	0.929	0.976	1	0.9	4.9	3.8	2.7	2.6
29-Dec-24	1:25:37 PM	50.11	251.1	249.4	220.4	67.1	66.9	107.2	15602	15515	23075	54192	0.925	0.93	0.976	1	0.9	5	3.8	2.7	2.6
29-Dec-24	1:25:38 PM	50.11	251.2	249.4	220.3	67.1	66.9	107.3	15600	15513	23066	54178	0.925	0.929	0.976	1	0.9	5	3.7	2.7	2.6
29-Dec-24	1:25:39 PM	50.11	251.2	249.4	220.1	67.1	66.9	107.2	15597	15509	23046	54152	0.925	0.929	0.977	1	0.9	5	3.7	2.7	2.6
29-Dec-24	1:25:40 PM	50.11	251.1	249.4	219.9	67.1	66.9	107.1	15600	15507	22987	54093	0.925	0.929	0.976	1	0.9	5.1	3.8	2.6	2.7

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:25:41 PM	50.11	251.1	249.4	219.8	67.1	66.9	106.3	15594	15516	22818	53927	0.925	0.929	0.976	1	0.9	5.1	3.7	2.7	2.7
29-Dec-24	1:25:42 PM	50.12	251	249.4	219.5	67.1	67	106.9	15596	15521	22923	54040	0.926	0.929	0.976	1	0.9	5.2	3.8	2.7	2.7
29-Dec-24	1:25:43 PM	50.12	251.1	249.5	219.5	67.2	67	107.2	15614	15523	22983	54120	0.926	0.929	0.976	1	0.8	5.2	3.7	2.7	2.6
29-Dec-24	1:25:44 PM	50.12	251.1	249.4	219.4	67.2	67	107.2	15612	15524	22970	54106	0.925	0.929	0.976	1	0.8	5.4	3.8	2.6	2.7
29-Dec-24	1:25:45 PM	50.12	251.1	249.4	219.1	67.2	67	107.3	15616	15520	22946	54081	0.926	0.929	0.976	1	0.8	5.4	3.8	2.8	2.6
29-Dec-24	1:25:46 PM	50.12	251.1	249.4	219	67.2	67	107.1	15615	15528	22891	54034	0.926	0.929	0.976	1	0.8	5.5	3.8	2.7	2.6
29-Dec-24	1:25:47 PM	50.12	251.1	249.5	219	67.2	67	106.3	15615	15529	22720	53864	0.926	0.929	0.976	1	0.8	5.5	3.8	2.8	2.7
29-Dec-24	1:25:48 PM	50.12	251.1	249.4	218.8	67.2	67	107	15614	15528	22859	54001	0.925	0.929	0.976	1	0.8	5.5	3.8	2.7	2.7
29-Dec-24	1:25:49 PM	50.12	251.2	249.5	218.8	67.2	67	107.1	15614	15525	22886	54026	0.925	0.929	0.976	1	0.8	5.5	3.8	2.7	2.6
29-Dec-24	1:25:50 PM	50.12	251.1	249.4	218.7	67.1	66.9	107.1	15605	15518	22877	54000	0.925	0.929	0.977	1	0.8	5.5	3.7	2.7	2.6
29-Dec-24	1:25:51 PM	50.12	251.1	249.5	218.9	67.1	67	107.1	15598	15526	22896	54020	0.926	0.929	0.976	1	0.9	5.4	3.8	2.7	2.6
29-Dec-24	1:25:52 PM	50.12	251.1	249.5	218.6	67.1	66.9	106.7	15600	15522	22770	53892	0.926	0.929	0.976	1	0.9	5.5	3.8	2.7	2.6
29-Dec-24	1:25:53 PM	50.12	251.1	249.5	218.3	67.1	67	106.3	15602	15524	22646	53772	0.926	0.929	0.976	1	0.8	5.6	3.8	2.7	2.6
29-Dec-24	1:25:54 PM	50.12	251.1	249.5	218.1	67.2	67	107.2	15613	15531	22837	53981	0.926	0.929	0.977	1	0.8	5.7	3.8	2.7	2.6
29-Dec-24	1:25:55 PM	50.13	251.1	249.5	217.9	67.2	67	107.2	15620	15529	22800	53949	0.926	0.929	0.976	1	0.9	5.7	3.7	2.7	2.6
29-Dec-24	1:25:56 PM	50.13	251.2	249.5	217.1	67.2	67	107.2	15623	15534	22717	53875	0.926	0.929	0.976	1	0.9	6	3.8	2.7	2.6
29-Dec-24	1:25:57 PM	50.13	251.1	249.5	218.5	67.2	67	107.1	15616	15531	22857	54004	0.926	0.929	0.976	1	0.9	5.1	3.8	2.7	2.6
29-Dec-24	1:25:58 PM	50.13	251.1	249.5	217.1	67.1	67	106.5	15610	15529	22576	53715	0.926	0.929	0.976	1	0.9	5.9	3.8	2.7	2.6
29-Dec-24	1:25:59 PM	50.13	251.2	249.5	215.5	67.2	67	106.6	15617	15531	22416	53564	0.926	0.929	0.976	1	0.9	6.6	3.7	2.6	2.6
29-Dec-24	1:26:00 PM	50.13	251.2	249.5	215.9	67.2	67	107.2	15619	15527	22570	53717	0.926	0.929	0.975	1	0.9	7.8	3.8	2.7	2.6
29-Dec-24	1:26:01 PM	50.13	251.2	249.5	214.7	67.2	67	107.2	15624	15527	22428	53580	0.926	0.929	0.975	1	0.9	7.2	3.8	2.7	2.6
29-Dec-24	1:26:02 PM	50.13	251.2	249.5	215.8	67.2	67	107.2	15626	15529	22565	53719	0.926	0.929	0.976	0.9	0.9	8	3.7	2.7	2.6
29-Dec-24	1:26:03 PM	50.13	251.2	249.5	215.8	67.2	67	107.1	15624	15528	22546	53698	0.926	0.929	0.975	1	0.9	7.2	3.7	2.7	2.6
29-Dec-24	1:26:04 PM	50.13	251.2	249.5	215.8	67.2	67	106.3	15622	15527	22371	53520	0.926	0.929	0.975	0.9	0.9	8.1	3.8	2.7	2.6
29-Dec-24	1:26:05 PM	50.13	251.2	249.5	215.5	67.2	67	106.8	15616	15526	22417	53560	0.926	0.929	0.974	0.9	0.9	7.8	3.7	2.6	2.6
29-Dec-24	1:26:06 PM	50.13	251.1	249.5	216.5	67.1	67	107.2	15606	15528	22608	53742	0.926	0.929	0.975	0.9	0.9	7.9	3.8	2.6	2.6
29-Dec-24	1:26:07 PM	50.13	251.1	249.5	217.5	67.2	67	107.2	15615	15532	22716	53862	0.926	0.929	0.974	0.9	0.8	8.2	3.8	2.7	2.6
29-Dec-24	1:26:08 PM	50.13	251.1	249.5	219.1	67.2	67	107.2	15616	15534	22876	54026	0.926	0.929	0.974	0.9	0.9	7.2	3.9	2.7	2.6
29-Dec-24	1:26:09 PM	50.13	251.1	249.5	219	67.2	67	107	15613	15528	22820	53962	0.926	0.929	0.973	1	0.9	7.9	3.8	2.7	2.7
29-Dec-24	1:26:10 PM	50.13	251.1	249.4	219	67.1	67	106.3	15608	15524	22654	53786	0.926	0.929	0.973	0.9	0.9	7.6	3.8	2.7	2.7
29-Dec-24	1:26:11 PM	50.13	251.1	249.5	218.3	67.2	67	107	15615	15524	22735	53874	0.926	0.929	0.973	1	0.8	8.1	3.8	2.7	2.6
29-Dec-24	1:26:12 PM	50.13	251.2	249.5	217.3	67.2	67	107.2	15619	15527	22671	53817	0.926	0.929	0.974	0.9	0.8	8.1	3.9	2.7	2.7
29-Dec-24	1:26:13 PM	50.13	251.1	249.5	215.7	67.2	67	107.1	15617	15528	22511	53656	0.926	0.929	0.975	0.9	0.9	7.4	3.8	2.7	2.7
29-Dec-24	1:26:14 PM	50.13	251.1	249.5	220	67.2	67	107.1	15621	15527	23017	54165	0.926	0.929	0.977	0.9	0.8	5.1	3.7	2.7	2.7
29-Dec-24	1:26:15 PM	50.13	251.2	249.5	218.8	67.2	67	106.6	15623	15534	22770	53927	0.926	0.929	0.976	1	0.8	5.6	3.8	2.7	2.7
29-Dec-24	1:26:16 PM	50.13	251.1	249.5	217.3	67.2	67	106.4	15617	15526	22561	53703	0.926	0.929	0.976	0.9	0.8	6.7	3.9	2.6	2.8
29-Dec-24	1:26:17 PM	50.13	251.2	249.5	221.3	67.1	67	107.2	15613	15532	23150	54295	0.926	0.929	0.976	0.9	0.8	6.9	3.8	2.7	2.7
29-Dec-24	1:26:18 PM	50.13	251.2	249.6	223.4	67.1	67	107.1	15614	15529	23369	54511	0.926	0.929	0.976	0.9	0.8	4.3	3.8	2.6	2.8
29-Dec-24	1:26:19 PM	50.13	251.2	249.6	223.5	67.2	67	107.1	15619	15538	23375	54532	0.926	0.929	0.976	1	0.8	4.2	3.8	2.7	2.7
29-Dec-24	1:26:20 PM	50.13	251.2	249.6	223.4	67.1	67	107.1	15612	15531	23358	54501	0.926	0.929	0.976	1	0.8	4.3	3.8	2.6	2.7
29-Dec-24	1:26:21 PM	50.13	251.2	249.6	223.1	67.2	67	106.5	15617	15543	23185	54345	0.926	0.929	0.976	0.9	0.8	4.4	3.8	2.6	2.7
29-Dec-24	1:26:22 PM	50.13	251.3	249.7	222.3	67.2	67	106.7	15622	15541	23144	54308	0.926	0.929	0.976	0.9	0.8	4.5	3.8	2.6	2.7

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:26:23 PM	50.13	251.3	249.7	222	67.2	67	107.1	15623	15546	23222	54390	0.926	0.929	0.976	1	0.8	4.5	3.7	2.6	2.6
29-Dec-24	1:26:24 PM	50.13	251.3	249.7	221.9	67.2	67	107.1	15625	15537	23212	54375	0.926	0.929	0.976	0.9	0.8	4.6	3.8	2.7	2.6
29-Dec-24	1:26:25 PM	50.13	251.3	249.6	221.8	67.2	67	107.1	15627	15538	23193	54358	0.926	0.929	0.976	1	0.8	4.6	3.9	2.7	2.7
29-Dec-24	1:26:26 PM	50.13	251.3	249.6	221.7	67.2	67	106.9	15630	15531	23149	54311	0.926	0.929	0.976	0.9	0.8	4.7	3.7	2.7	2.6
29-Dec-24	1:26:27 PM	50.13	251.2	249.6	221.7	67.2	67	106.3	15626	15533	22999	54158	0.926	0.929	0.976	1	0.8	4.7	3.8	2.6	2.7
29-Dec-24	1:26:28 PM	50.13	251.3	249.7	221.5	67.2	67	106.8	15628	15535	23105	54269	0.926	0.929	0.976	0.9	0.8	4.8	3.9	2.6	2.7
29-Dec-24	1:26:29 PM	50.13	251.3	249.7	221.4	67.2	67	107.1	15624	15540	23153	54318	0.926	0.929	0.976	1	0.9	4.8	3.7	2.7	2.6
29-Dec-24	1:26:30 PM	50.13	251.3	249.6	221	67.2	67	107.1	15628	15536	23119	54283	0.926	0.929	0.976	1	0.8	4.9	3.8	2.7	2.7
29-Dec-24	1:26:31 PM	50.13	251.3	249.6	220.8	67.2	67	107.1	15625	15535	23089	54249	0.926	0.929	0.976	1	0.8	5	3.8	2.5	2.7
29-Dec-24	1:26:32 PM	50.13	251.2	249.6	220.4	67.2	67	106.8	15626	15531	22984	54140	0.926	0.929	0.976	1	0.8	5.2	3.9	2.6	2.7
29-Dec-24	1:26:33 PM	50.13	251.2	249.6	220.2	67.2	67	106.3	15623	15537	22862	54022	0.926	0.929	0.976	1	0.8	5.3	3.7	2.6	2.7
29-Dec-24	1:26:34 PM	50.13	251.3	249.6	219.9	67.2	67	107.3	15630	15536	23045	54211	0.926	0.929	0.976	1	0.8	5.5	3.8	2.6	2.6
29-Dec-24	1:26:35 PM	50.13	251.3	249.6	219.5	67.2	67	107.4	15630	15533	23032	54195	0.925	0.929	0.976	1	0.8	5.6	3.8	2.6	2.6
29-Dec-24	1:26:36 PM	50.13	251.3	249.6	219.2	67.2	67	107.5	15633	15540	22998	54171	0.926	0.929	0.976	1	0.8	5.8	3.8	2.7	2.6
29-Dec-24	1:26:37 PM	50.13	251.3	249.6	219	67.2	67	107.5	15630	15533	22980	54144	0.926	0.929	0.976	1	0.9	5.9	3.7	2.7	2.7
29-Dec-24	1:26:38 PM	50.13	251.3	249.6	219	67.2	67	106.9	15629	15530	22861	54020	0.926	0.929	0.976	1	0.8	5.9	3.8	2.6	2.6
29-Dec-24	1:26:39 PM	50.13	251.3	249.6	219	67.2	67	106.4	15624	15530	22740	53895	0.925	0.929	0.976	0.9	0.8	5.9	3.8	2.7	2.7
29-Dec-24	1:26:40 PM	50.13	251.4	249.7	218.7	67.2	67	107.5	15632	15532	22943	54107	0.925	0.929	0.976	1	0.8	6	3.8	2.6	2.6
29-Dec-24	1:26:41 PM	50.13	251.4	249.7	218.4	67.2	67	107.3	15633	15538	22868	54039	0.926	0.929	0.976	1	0.8	6.2	3.8	2.6	2.6
29-Dec-24	1:26:42 PM	50.13	251.3	249.6	218.2	67.2	67	107.3	15632	15544	22846	54022	0.926	0.929	0.976	1	0.8	6.3	3.9	2.6	2.6
29-Dec-24	1:26:43 PM	50.13	251.3	249.6	218	67.2	67	107.3	15626	15539	22815	53980	0.926	0.929	0.976	1	0.8	6.4	3.8	2.6	2.6
29-Dec-24	1:26:44 PM	50.13	251.3	249.6	217.5	67.1	67	106.5	15621	15530	22611	53762	0.926	0.929	0.976	1	0.8	6.6	3.7	2.7	2.7
29-Dec-24	1:26:45 PM	50.12	251.3	249.6	216.7	67.2	67	106.9	15628	15526	22586	53740	0.925	0.929	0.975	1	0.8	7	3.8	2.6	2.7
29-Dec-24	1:26:46 PM	50.12	251.3	249.6	216	67.2	67	107.3	15624	15528	22590	53743	0.926	0.928	0.975	1	0.8	7.6	3.8	2.6	2.7
29-Dec-24	1:26:47 PM	50.12	251.3	249.6	214.8	67.2	67	107.2	15624	15525	22438	53587	0.926	0.929	0.974	1	0.8	8.1	3.8	2.7	2.6
29-Dec-24	1:26:48 PM	50.12	251.2	249.6	216.2	67.1	66.9	104.3	15603	15512	21918	53033	0.926	0.929	0.972	1	0.8	7.7	3.8	2.7	2.6
29-Dec-24	1:26:49 PM	50.12	251.2	249.6	218.3	67.1	67	104	15607	15519	22094	53220	0.926	0.929	0.973	1	0.9	6.3	3.8	2.6	2.8
29-Dec-24	1:26:50 PM	50.12	251.2	249.6	217.8	67.1	67	103.4	15604	15522	21886	53013	0.925	0.929	0.972	1	0.9	7	3.8	2.7	2.7
29-Dec-24	1:26:51 PM	50.12	251.3	249.6	216.6	67.1	67	104.1	15610	15522	21911	53043	0.926	0.929	0.972	1	0.8	7.5	3.8	2.7	2.6
29-Dec-24	1:26:52 PM	50.12	251.3	249.7	216.2	67.1	67	104.4	15611	15525	21920	53056	0.926	0.928	0.972	1	0.8	8.5	3.8	2.6	2.6
29-Dec-24	1:26:53 PM	50.12	251.3	249.7	216.9	67.1	67	104.3	15612	15526	22007	53145	0.926	0.929	0.972	1	0.9	7.2	3.8	2.6	2.7
29-Dec-24	1:26:54 PM	50.12	251.3	249.7	219.4	67.1	67	104.3	15616	15531	22278	53426	0.926	0.929	0.973	1	0.9	6.2	3.7	2.7	2.6
29-Dec-24	1:26:55 PM	50.12	251.3	249.7	217.9	67.1	67	103.8	15617	15533	21994	53145	0.926	0.929	0.972	1	0.9	7	3.7	2.7	2.6
29-Dec-24	1:26:56 PM	50.12	251.3	249.6	215.3	67.1	67	103.5	15615	15531	21651	52796	0.926	0.929	0.971	1	0.9	8.2	3.8	2.7	2.6
29-Dec-24	1:26:57 PM	50.13	251.3	249.7	214.5	67.1	67	104.3	15614	15528	21756	52898	0.926	0.929	0.972	1	0.9	9.2	3.8	2.7	2.6
29-Dec-24	1:26:58 PM	50.13	251.3	249.7	215.2	67.1	67	104.3	15613	15527	21807	52947	0.925	0.929	0.972	1	0.8	7.5	3.8	2.7	2.6
29-Dec-24	1:26:59 PM	50.13	251.3	249.7	217.9	67.1	67	104.3	15618	15530	22104	53253	0.926	0.929	0.973	1	0.9	7.2	3.7	2.7	2.6
29-Dec-24	1:27:00 PM	50.13	251.2	249.6	221	67.1	67	104.3	15611	15528	22446	53584	0.926	0.929	0.974	1	0.9	4.9	3.8	2.7	2.7
29-Dec-24	1:27:01 PM	50.13	251.2	249.6	219.7	67.1	67	103.5	15604	15527	22138	53268	0.926	0.929	0.974	1	0.9	5.2	3.8	2.7	2.7
29-Dec-24	1:27:02 PM	50.13	251.2	249.6	215.8	67.1	67	103.9	15602	15528	21776	52906	0.926	0.929	0.971	1	0.9	8.4	3.7	2.7	2.7
29-Dec-24	1:27:03 PM	50.13	251.2	249.6	218.6	67.1	67	104.3	15603	15529	22189	53322	0.926	0.929	0.973	1	0.9	5.5	3.7	2.7	2.7
29-Dec-24	1:27:04 PM	50.13	251.2	249.7	216.9	67.1	67	104.3	15611	15532	22007	53149	0.926	0.929	0.972	1	0.9	7.5	3.7	2.7	2.6

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:27:05 PM	50.13	251.3	249.7	216.9	67.1	67	104.3	15613	15538	21982	53133	0.926	0.929	0.972	1	0.9	8.1	3.6	2.6	2.7
29-Dec-24	1:27:06 PM	50.13	251.3	249.7	215.2	67.2	67	104.3	15621	15533	21789	52944	0.926	0.929	0.971	1	0.9	9.1	3.7	2.7	2.7
29-Dec-24	1:27:07 PM	50.13	251.3	249.7	214.7	66.8	67	103.4	15532	15534	21541	52606	0.926	0.929	0.97	1	0.9	9.2	3.8	2.7	2.7
29-Dec-24	1:27:08 PM	50.14	251.4	249.7	214.8	65.5	67	104	15249	15535	21683	52468	0.926	0.929	0.97	1	0.8	8.9	3.9	2.6	2.7
29-Dec-24	1:27:09 PM	50.14	251.4	249.7	214.7	65.5	67	104.3	15247	15540	21744	52532	0.926	0.929	0.971	1	0.9	8.9	3.8	2.7	2.7
29-Dec-24	1:27:10 PM	50.14	251.4	249.7	213.8	65.5	67	104.3	15245	15538	21637	52420	0.926	0.929	0.97	1	0.9	9.4	3.8	2.6	2.6
29-Dec-24	1:27:11 PM	50.14	251.4	249.7	216	65.5	67	104.3	15246	15541	21861	52648	0.926	0.929	0.971	1	0.9	8.5	3.9	2.7	2.6
29-Dec-24	1:27:12 PM	50.14	251.3	249.7	215.4	65.5	67	103.9	15240	15536	21709	52484	0.926	0.929	0.97	1	0.9	8.9	3.8	2.6	2.6
29-Dec-24	1:27:13 PM	50.14	251.3	249.7	215.1	65.4	67	103.4	15231	15533	21590	52354	0.926	0.929	0.971	1	0.9	8.9	3.9	2.7	2.7
29-Dec-24	1:27:14 PM	50.14	251.3	249.6	214.4	65.5	67	104.5	15235	15532	21759	52525	0.926	0.929	0.971	1	0.9	7.9	3.8	2.7	2.6
29-Dec-24	1:27:15 PM	50.14	251.3	249.7	214.5	65.5	67	104.3	15241	15535	21746	52521	0.926	0.929	0.972	1	0.9	8.9	3.9	2.6	2.7
29-Dec-24	1:27:16 PM	50.14	251.3	249.7	214.9	65.5	67	104.3	15245	15539	21797	52582	0.926	0.929	0.972	1	0.9	8.2	3.9	2.6	2.7
29-Dec-24	1:27:17 PM	50.14	251.3	249.7	214.5	65.4	67	104.3	15232	15532	21746	52510	0.926	0.929	0.972	1	0.9	8.4	3.9	2.6	2.6
29-Dec-24	1:27:18 PM	50.14	251.3	249.6	213.8	65.5	67	103.6	15234	15530	21522	52285	0.926	0.929	0.972	1	0.9	9.5	3.9	2.7	2.7
29-Dec-24	1:27:19 PM	50.14	251.3	249.6	213.1	65.5	67	103.8	15239	15534	21502	52275	0.926	0.929	0.971	1	0.9	9.6	3.8	2.7	2.7
29-Dec-24	1:27:20 PM	50.14	251.2	249.6	213.2	65.5	67	104.3	15239	15536	21578	52353	0.926	0.929	0.97	1	0.9	9.2	3.9	2.7	2.6
29-Dec-24	1:27:21 PM	50.14	251.3	249.7	214.2	65.5	67	104.3	15242	15541	21707	52490	0.926	0.929	0.972	1	0.9	8.3	3.9	2.6	2.6
29-Dec-24	1:27:22 PM	50.14	251.4	249.7	213.9	65.5	67	104.3	15244	15544	21670	52458	0.926	0.929	0.971	1	0.9	9	3.8	2.6	2.7
29-Dec-24	1:27:23 PM	50.14	251.3	249.7	213.9	65.5	67	104.1	15239	15544	21679	52462	0.926	0.929	0.974	1	0.9	7.3	3.8	2.7	2.6
29-Dec-24	1:27:24 PM	50.14	251.3	249.6	211.9	65.4	67	103.4	15227	15533	21322	52081	0.926	0.929	0.973	1	0.9	8	3.8	2.7	2.6
29-Dec-24	1:27:25 PM	50.14	251.2	249.6	210.5	65.5	67	104.1	15232	15535	21317	52084	0.926	0.929	0.973	1	0.9	9.1	3.8	2.7	2.6
29-Dec-24	1:27:26 PM	50.14	251.2	249.6	208.2	65.5	67	104.3	15237	15543	21124	51904	0.926	0.929	0.972	1	0.9	9.7	3.8	2.6	2.6
29-Dec-24	1:27:27 PM	50.14	251.2	249.6	214.1	65.5	67	104.3	15235	15533	21744	52511	0.926	0.929	0.973	1	0.9	9.6	3.8	2.7	2.6
29-Dec-24	1:27:28 PM	50.14	251.3	249.6	215.6	65.5	67	104.3	15244	15526	21908	52677	0.926	0.929	0.974	1	0.9	6.9	3.8	2.6	2.6
29-Dec-24	1:27:29 PM	50.14	251.3	249.6	215.4	65.5	67	103.9	15233	15523	21788	52545	0.926	0.929	0.974	1	0.9	6.7	3.8	2.7	2.6
29-Dec-24	1:27:30 PM	50.14	251.3	249.6	213.4	65.4	67	103.6	15233	15528	21508	52268	0.926	0.929	0.973	1	0.9	7.6	3.8	2.6	2.6
29-Dec-24	1:27:31 PM	50.14	251.3	249.6	212.9	65.4	67	104.4	15223	15528	21620	52371	0.926	0.929	0.973	1	0.9	9.3	3.9	2.6	2.7
29-Dec-24	1:27:32 PM	50.13	251.3	249.6	213.2	65.4	67	104.4	15228	15526	21655	52409	0.926	0.929	0.973	1	0.9	9	3.9	2.7	2.7
29-Dec-24	1:27:33 PM	50.13	251.4	249.7	212.7	65.4	67	104.4	15232	15530	21622	52384	0.926	0.929	0.974	1	0.9	7.7	3.8	2.7	2.6
29-Dec-24	1:27:34 PM	50.13	251.3	249.6	210.1	65.4	67	104.4	15230	15527	21334	52091	0.926	0.929	0.973	1	0.9	9.1	3.9	2.7	2.7
29-Dec-24	1:27:35 PM	50.13	251.3	249.7	212.3	65.4	67	103.5	15235	15533	21398	52167	0.926	0.929	0.973	1	0.9	8	3.9	2.7	2.7
29-Dec-24	1:27:36 PM	50.13	251.4	249.7	210.8	65.4	67	103.8	15234	15530	21292	52056	0.926	0.929	0.973	1	0.9	9.3	3.9	2.7	2.6
29-Dec-24	1:27:37 PM	50.13	251.4	249.7	211	65.5	67	104.4	15241	15532	21421	52193	0.926	0.929	0.973	1	0.9	8.3	3.8	2.7	2.7
29-Dec-24	1:27:38 PM	50.13	251.4	249.7	213.7	65.5	67	104.4	15244	15525	21705	52475	0.926	0.929	0.973	1	0.9	8.4	3.8	2.6	2.7
29-Dec-24	1:27:39 PM	50.13	251.4	249.7	213.7	65.5	67	104.3	15246	15529	21715	52491	0.926	0.929	0.974	1	0.9	6.7	3.8	2.6	2.6
29-Dec-24	1:27:40 PM	50.13	251.5	249.7	214	65.5	67	104.2	15251	15533	21709	52494	0.926	0.928	0.973	1	0.9	6.5	3.9	2.7	2.6
29-Dec-24	1:27:41 PM	50.13	251.4	249.7	214.3	65.4	67	103.4	15240	15528	21569	52336	0.926	0.928	0.973	1	0.9	6.7	3.8	2.7	2.6
29-Dec-24	1:27:42 PM	50.14	251.4	249.7	217.9	65.5	67	104	15241	15534	22063	52838	0.926	0.928	0.973	1	0.9	7.7	3.9	2.7	2.7
29-Dec-24	1:27:43 PM	50.14	251.4	249.7	219.3	65.4	67	104.3	15239	15537	22296	53072	0.926	0.929	0.974	1	0.9	5.1	3.9	2.7	2.6
29-Dec-24	1:27:44 PM	50.14	251.4	249.7	217.1	65.4	67	104.3	15231	15530	22055	52816	0.926	0.929	0.974	1	0.9	5.8	3.8	2.6	2.6
29-Dec-24	1:27:45 PM	50.14	251.4	249.7	216.2	65.4	67	104.3	15235	15534	21957	52726	0.926	0.929	0.974	1	0.9	5.6	3.8	2.7	2.6
29-Dec-24	1:27:46 PM	50.14	251.4	249.7	219.9	65.4	67	103.9	15234	15538	22240	53012	0.926	0.929	0.973	1	0.9	5.2	3.8	2.6	2.7

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:27:47 PM	50.13	251.4	249.7	220.4	65.4	67	103.4	15230	15532	22199	52961	0.926	0.929	0.974	1	0.9	5.3	3.8	2.6	2.6
29-Dec-24	1:27:48 PM	50.13	251.4	249.7	220.1	65.4	67	104.4	15236	15531	22392	53159	0.926	0.929	0.974	1	0.9	5.4	3.9	2.7	2.7
29-Dec-24	1:27:49 PM	50.13	251.4	249.7	219.7	65.4	67	104.3	15233	15529	22315	53077	0.926	0.929	0.974	1	0.9	5.5	3.9	2.7	2.7
29-Dec-24	1:27:50 PM	50.13	251.4	249.7	219	65.4	67	104	15240	15530	22186	52956	0.926	0.929	0.974	1	0.9	6.1	4	2.7	2.7
29-Dec-24	1:27:51 PM	50.13	251.4	249.7	218.1	65.4	67	103.7	15232	15535	22040	52808	0.926	0.929	0.974	1	0.9	6.5	3.8	2.7	2.6
29-Dec-24	1:27:52 PM	50.13	251.4	249.7	216.6	65.4	67	102.9	15227	15533	21707	52468	0.926	0.929	0.974	1	0.9	7.2	3.9	2.7	2.7
29-Dec-24	1:27:53 PM	50.13	251.4	249.7	214.3	65.4	67	103.3	15226	15527	21543	52296	0.926	0.929	0.973	1	0.9	9.4	3.9	2.7	2.7
29-Dec-24	1:27:54 PM	50.13	251.5	249.7	216.4	65.4	67	103.7	15228	15527	21858	52614	0.926	0.928	0.974	1	0.9	6.9	3.9	2.6	2.6
29-Dec-24	1:27:55 PM	50.13	251.4	249.7	215.7	65.4	67	103.7	15228	15533	21773	52533	0.926	0.929	0.973	1	0.9	7.8	3.9	2.6	2.7
29-Dec-24	1:27:56 PM	50.13	251.4	249.7	215.4	65.4	67	103.7	15231	15532	21725	52488	0.926	0.929	0.973	1	0.9	9	3.8	2.6	2.6
29-Dec-24	1:27:57 PM	50.13	251.4	249.7	216.6	65.4	67	103.4	15230	15534	21812	52576	0.926	0.929	0.974	1	0.9	7.2	3.8	2.7	2.7
29-Dec-24	1:27:58 PM	50.13	251.4	249.7	216	65.4	67	102.8	15228	15536	21628	52392	0.926	0.929	0.974	1	0.9	6.5	3.9	2.7	2.6
29-Dec-24	1:27:59 PM	50.13	251.5	249.8	218.3	65.4	67	103.6	15228	15540	22038	52807	0.926	0.928	0.975	1	0.9	5.2	3.8	2.7	2.6
29-Dec-24	1:28:00 PM	50.13	251.3	249.7	216.6	65.4	67	103.7	15219	15546	21869	52635	0.926	0.929	0.974	1	0.9	8.3	3.9	2.7	2.6
29-Dec-24	1:28:01 PM	50.13	251.4	249.7	216.1	65.4	67	103.6	15232	15538	21822	52591	0.926	0.928	0.974	1	0.8	6.1	3.9	2.7	2.6
29-Dec-24	1:28:02 PM	50.13	251.3	249.7	215.9	65.4	67	103.6	15228	15545	21777	52550	0.926	0.929	0.973	1	0.9	8.8	3.9	2.6	2.6
29-Dec-24	1:28:03 PM	50.13	251.3	249.7	215.6	65.4	67	103.1	15227	15538	21636	52401	0.926	0.929	0.974	1	0.9	8.3	3.8	2.7	2.6
29-Dec-24	1:28:04 PM	50.13	251.4	249.7	214.8	65.4	67	103.1	15231	15543	21554	52328	0.926	0.928	0.973	1	0.8	7.4	3.9	2.7	2.6
29-Dec-24	1:28:05 PM	50.13	251.4	249.8	214.3	65.4	67	103.7	15233	15547	21628	52409	0.926	0.929	0.974	1	0.8	9.1	3.9	2.7	2.6
29-Dec-24	1:28:06 PM	50.14	251.4	249.8	214.4	65.4	67	103.7	15231	15545	21641	52416	0.926	0.928	0.973	1	0.8	7.7	3.9	2.7	2.5
29-Dec-24	1:28:07 PM	50.14	251.4	249.7	213.7	65.4	67	103.7	15227	15548	21570	52344	0.926	0.929	0.973	1	0.9	9.2	3.9	2.7	2.5
29-Dec-24	1:28:08 PM	50.14	251.3	249.7	213.9	65	67	103.4	15154	15540	21502	52196	0.927	0.929	0.972	1	0.8	8.4	3.8	2.7	2.6
29-Dec-24	1:28:09 PM	50.14	251.4	249.7	213.8	64.9	67	102.8	15127	15546	21382	52055	0.927	0.929	0.973	1	0.8	9.9	3.9	2.7	2.6
29-Dec-24	1:28:10 PM	50.14	251.4	249.7	218.3	64.9	67	103.6	15134	15546	22070	52750	0.927	0.929	0.976	1	0.9	5.3	3.9	2.7	2.6
29-Dec-24	1:28:11 PM	50.14	251.4	249.7	217.1	64.9	67.1	103.7	15135	15550	21964	52648	0.927	0.929	0.975	1	0.9	5.5	3.9	2.7	2.6
29-Dec-24	1:28:12 PM	50.14	251.4	249.8	214.2	65	67	103.7	15140	15549	21652	52341	0.927	0.929	0.974	1	0.9	7.6	3.9	2.7	2.6
29-Dec-24	1:28:13 PM	50.14	251.4	249.8	212.3	64.9	67	103.7	15142	15551	21430	52123	0.927	0.929	0.973	1	0.9	8.6	3.9	2.7	2.6
29-Dec-24	1:28:14 PM	50.14	251.4	249.7	211.5	65	67	103.2	15148	15549	21211	51908	0.927	0.929	0.972	1	0.9	10	3.8	2.7	2.6
29-Dec-24	1:28:15 PM	50.14	251.4	249.8	213.1	65	67	103	15146	15548	21334	52029	0.927	0.929	0.972	1	0.9	9.8	3.9	2.7	2.7
29-Dec-24	1:28:16 PM	50.14	251.4	249.7	214	65	67	103.7	15147	15544	21598	52289	0.927	0.929	0.973	1	0.9	8.8	3.8	2.6	2.6
29-Dec-24	1:28:17 PM	50.14	251.4	249.7	212.6	65	67	103.7	15150	15538	21449	52138	0.927	0.929	0.973	1	0.9	8.7	3.8	2.7	2.7
29-Dec-24	1:28:18 PM	50.14	251.4	249.7	214.4	65	67	103.7	15152	15539	21647	52338	0.927	0.929	0.974	1	0.9	9.1	3.8	2.7	2.7
29-Dec-24	1:28:19 PM	50.14	251.4	249.7	216.4	65	67	103.6	15153	15540	21850	52544	0.927	0.929	0.974	1	0.9	8.7	3.8	2.7	2.7
29-Dec-24	1:28:20 PM	50.14	251.4	249.7	216.1	65	67	102.8	15150	15545	21655	52350	0.927	0.929	0.975	1	0.9	5.8	3.9	2.7	2.7
29-Dec-24	1:28:21 PM	50.14	251.5	249.8	214.5	65	67	103.5	15152	15548	21623	52323	0.927	0.929	0.974	1	0.9	7.7	3.8	2.7	2.7
29-Dec-24	1:28:22 PM	50.14	251.5	249.8	213.8	65	67	103.7	15154	15546	21590	52290	0.927	0.929	0.974	1	0.9	8.2	3.8	2.6	2.6
29-Dec-24	1:28:23 PM	50.14	251.5	249.8	222.9	65	67	103.8	15148	15543	22559	53250	0.927	0.929	0.975	1	0.9	4.2	3.9	2.7	2.6
29-Dec-24	1:28:24 PM	50.15	251.5	249.7	222.6	65	67	103.7	15146	15545	22519	53210	0.927	0.929	0.975	1	1	4.3	3.8	2.7	2.6
29-Dec-24	1:28:25 PM	50.15	251.5	249.8	222.4	65	67	103.2	15149	15546	22382	53076	0.927	0.929	0.975	1	0.9	4.3	3.9	2.7	2.5
29-Dec-24	1:28:26 PM	50.15	251.4	249.7	222.4	64.9	67	99.1	15133	15536	21455	52124	0.927	0.929	0.973	1	0.9	4.4	3.9	2.6	2.7
29-Dec-24	1:28:27 PM	50.15	251.5	249.7	222.3	64.9	67	99.8	15140	15536	21590	52266	0.927	0.929	0.973	1	1	4.3	3.9	2.7	2.7
29-Dec-24	1:28:28 PM	50.15	251.5	249.8	222.2	65	67	99.8	15146	15544	21583	52273	0.927	0.929	0.973	1	0.9	4.4	3.9	2.7	2.7

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:28:29 PM	50.15	251.5	249.7	222	64.9	67	99.7	15140	15537	21548	52225	0.927	0.929	0.974	1	0.9	4.4	3.9	2.7	2.6
29-Dec-24	1:28:30 PM	50.15	251.5	249.7	221.9	65	67	99.5	15141	15537	21499	52178	0.927	0.929	0.974	1	0.9	4.5	3.9	2.7	2.8
29-Dec-24	1:28:31 PM	50.15	251.5	249.7	221.8	65	67	98.9	15144	15533	21345	52023	0.927	0.929	0.973	1	0.9	4.5	3.9	2.7	2.8
29-Dec-24	1:28:32 PM	50.15	251.5	249.7	221.6	65	67	99.7	15145	15534	21502	52181	0.927	0.929	0.974	1	0.9	4.5	3.9	2.7	2.7
29-Dec-24	1:28:33 PM	50.15	251.4	249.7	221.3	65	67	99.8	15141	15537	21499	52177	0.927	0.929	0.974	1	0.9	4.5	3.9	2.6	2.7
29-Dec-24	1:28:34 PM	50.15	251.4	249.7	221.1	65	67	99.8	15141	15537	21480	52157	0.927	0.929	0.974	1	0.9	4.6	3.8	2.7	2.7
29-Dec-24	1:28:35 PM	50.15	251.4	249.7	220.9	65	67	99.7	15140	15533	21456	52129	0.927	0.929	0.974	1	0.9	4.6	3.9	2.7	2.7
29-Dec-24	1:28:36 PM	50.15	251.5	249.7	220.8	64.9	67	99.1	15135	15533	21310	51978	0.927	0.929	0.973	1	0.9	4.7	3.9	2.7	2.7
29-Dec-24	1:28:37 PM	50.15	251.4	249.7	220.7	64.9	67	99.3	15137	15533	21333	52003	0.927	0.929	0.974	1	0.9	4.7	3.8	2.7	2.7
29-Dec-24	1:28:38 PM	50.15	251.4	249.7	220.5	65	67	99.7	15133	15532	21415	52080	0.927	0.929	0.974	1	0.9	4.7	3.9	2.6	2.6
29-Dec-24	1:28:39 PM	50.15	251.4	249.7	220.4	65	67	99.7	15137	15537	21396	52071	0.927	0.929	0.974	1	0.9	4.7	3.8	2.7	2.6
29-Dec-24	1:28:40 PM	50.15	251.3	249.6	220.3	64.9	67	99.6	15129	15529	21368	52026	0.927	0.929	0.974	1	0.9	4.8	3.9	2.7	2.6
29-Dec-24	1:28:41 PM	50.15	251.4	249.7	220.3	64.9	67	99.3	15126	15535	21300	51961	0.927	0.929	0.974	1	0.9	4.8	3.9	2.7	2.6
29-Dec-24	1:28:42 PM	50.15	251.3	249.6	220.3	64.9	67	98.8	15118	15542	21179	51839	0.927	0.929	0.973	1	0.9	4.8	3.9	2.7	2.7
29-Dec-24	1:28:43 PM	50.14	251.3	249.6	220.2	64.9	67	99.5	15126	15533	21333	51991	0.927	0.929	0.974	1	0.9	4.8	3.9	2.6	2.4
29-Dec-24	1:28:44 PM	50.14	251.3	249.6	220.1	64.9	67	99.5	15125	15535	21320	51981	0.927	0.929	0.974	1	0.9	4.8	3.9	2.7	2.5
29-Dec-24	1:28:45 PM	50.14	251.4	249.7	220.1	64.9	67	99.5	15128	15531	21320	51978	0.927	0.929	0.974	1	0.9	4.8	3.9	2.7	2.4
29-Dec-24	1:28:46 PM	50.14	251.4	249.7	220.1	64.9	66.9	99.5	15132	15529	21310	51971	0.927	0.929	0.974	1	0.9	4.8	3.9	2.7	2.3
29-Dec-24	1:28:47 PM	50.14	251.4	249.7	220.1	64.9	67	98.7	15130	15525	21139	51794	0.927	0.929	0.973	1	0.9	4.8	3.9	2.7	2.4
29-Dec-24	1:28:48 PM	50.15	251.4	249.7	220	64.9	66.9	99	15125	15526	21202	51853	0.927	0.929	0.974	1	0.9	4.9	3.8	2.7	2.5
29-Dec-24	1:28:49 PM	50.15	251.5	249.7	219.9	64.9	67	99.5	15138	15530	21302	51970	0.927	0.929	0.974	1	0.9	4.9	3.9	2.7	2.5
29-Dec-24	1:28:50 PM	50.15	251.5	249.7	219.8	64.9	67	99.5	15140	15530	21290	51960	0.927	0.929	0.974	1	0.9	4.9	3.9	2.7	2.5
29-Dec-24	1:28:51 PM	50.15	251.5	249.7	219.7	65	67	99.5	15144	15531	21284	51959	0.927	0.929	0.974	1	0.9	4.9	3.9	2.6	2.5
29-Dec-24	1:28:52 PM	50.15	251.4	249.7	219.6	64.9	67	99.2	15133	15532	21201	51866	0.927	0.929	0.974	1	1	4.9	3.9	2.8	2.5
29-Dec-24	1:28:53 PM	50.15	251.4	249.6	219.6	64.9	67	98.6	15127	15526	21079	51732	0.927	0.929	0.973	1	0.9	4.9	3.9	2.7	2.5
29-Dec-24	1:28:54 PM	50.14	251.4	249.6	219.5	64.9	67	99.6	15127	15534	21283	51944	0.927	0.929	0.974	1	0.9	5	3.9	2.7	2.5
29-Dec-24	1:28:55 PM	50.14	251.3	249.6	219.4	64.9	67	99.5	15117	15524	21250	51891	0.927	0.929	0.974	1	0.9	5	3.8	2.7	2.5
29-Dec-24	1:28:56 PM	50.14	251.3	249.6	219.3	64.9	67	99.4	15119	15531	21236	51886	0.927	0.929	0.974	1	0.9	5	3.9	2.7	2.5
29-Dec-24	1:28:57 PM	50.14	251.3	249.6	219.2	64.9	66.9	99.4	15122	15521	21218	51861	0.927	0.929	0.974	1	0.9	5.1	4	2.7	2.5
29-Dec-24	1:28:58 PM	50.14	251.4	249.6	219.2	64.9	67	98.6	15128	15526	21032	51686	0.927	0.929	0.973	1	0.9	5.1	3.9	2.7	2.5
29-Dec-24	1:28:59 PM	50.14	251.4	249.7	219.1	64.9	67	99.2	15131	15527	21162	51821	0.927	0.929	0.974	1	0.9	5.1	3.9	2.7	2.6
29-Dec-24	1:29:00 PM	50.14	251.4	249.7	219	64.9	67	99.4	15130	15531	21186	51847	0.927	0.929	0.974	1	0.9	5.1	3.9	2.7	2.5
29-Dec-24	1:29:01 PM	50.14	251.4	249.7	218.9	64.9	67	99.3	15129	15531	21171	51832	0.927	0.929	0.974	1	0.9	5.1	3.9	2.7	2.5
29-Dec-24	1:29:02 PM	50.14	251.4	249.7	218.8	64.9	67	99.5	15126	15533	21196	51855	0.927	0.929	0.974	1	0.9	5.1	3.9	2.7	2.4
29-Dec-24	1:29:03 PM	50.14	251.4	249.7	218.8	64.9	67	98.8	15130	15536	21040	51706	0.927	0.929	0.974	1	0.9	5.2	3.9	2.7	2.5
29-Dec-24	1:29:04 PM	50.14	251.4	249.6	218.6	64.9	67	98.9	15127	15530	21053	51710	0.927	0.929	0.974	1	0.9	5.2	3.9	2.7	2.5
29-Dec-24	1:29:05 PM	50.15	251.4	249.7	218.5	64.9	67	99.4	15132	15529	21162	51823	0.927	0.929	0.974	1	0.9	5.2	3.9	2.7	2.5
29-Dec-24	1:29:06 PM	50.15	251.4	249.7	218.4	64.9	67	99.5	15131	15533	21161	51825	0.927	0.929	0.974	1	0.9	5.3	3.9	2.7	2.4
29-Dec-24	1:29:07 PM	50.15	251.3	249.6	218.2	64.9	67	99.5	15131	15530	21145	51805	0.927	0.929	0.974	1	0.9	5.3	3.8	2.7	2.4
29-Dec-24	1:29:08 PM	50.15	251.3	249.6	218	64.9	67	99.4	15134	15536	21095	51765	0.927	0.929	0.974	1.1	0.9	5.4	3.8	2.7	2.5
29-Dec-24	1:29:09 PM	50.15	251.4	249.6	217.4	64.9	67	98.6	15131	15527	20861	51518	0.927	0.929	0.973	1	0.9	5.7	3.9	2.7	2.5
29-Dec-24	1:29:10 PM	50.15	251.3	249.6	217.1	64.9	67	99.4	15129	15535	20999	51663	0.927	0.929	0.973	1	0.9	5.9	3.9	2.7	2.4

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:29:11 PM	50.15	251.3	249.6	216.9	64.9	67	99.4	15127	15533	21004	51664	0.927	0.929	0.974	1	0.9	6	3.9	2.7	2.4
29-Dec-24	1:29:12 PM	50.15	251.3	249.6	217.5	64.9	67	99.4	15118	15530	21053	51701	0.927	0.929	0.973	1.1	0.9	6	3.9	2.7	2.4
29-Dec-24	1:29:13 PM	50.14	251.3	249.6	217.7	64.9	66.9	99.4	15123	15523	21075	51721	0.927	0.929	0.973	1.1	0.9	6	3.9	2.7	2.4
29-Dec-24	1:29:14 PM	50.14	251.2	249.5	217.7	64.9	67	98.7	15113	15532	20918	51563	0.927	0.929	0.973	1	0.9	5.8	3.9	2.7	2.5
29-Dec-24	1:29:15 PM	50.14	251.2	249.5	217.9	64.9	67	98.9	15110	15529	20976	51615	0.927	0.929	0.973	1	0.9	5.7	3.8	2.7	2.5
29-Dec-24	1:29:16 PM	50.14	251.2	249.5	217.9	64.9	67	99.4	15108	15532	21096	51736	0.927	0.929	0.974	1	0.9	5.7	3.9	2.7	2.5
29-Dec-24	1:29:17 PM	50.14	251.2	249.5	217.8	64.9	67	99.5	15113	15531	21099	51743	0.927	0.929	0.974	1	0.9	5.7	3.9	2.7	2.4
29-Dec-24	1:29:18 PM	50.14	251.3	249.5	217.7	64.9	66.9	99.5	15113	15520	21094	51727	0.927	0.929	0.974	1	0.9	5.7	3.8	2.6	2.5
29-Dec-24	1:29:19 PM	50.14	251.3	249.5	217.7	64.9	66.9	99.3	15112	15519	21038	51668	0.927	0.929	0.973	1	0.9	5.7	3.8	2.7	2.4
29-Dec-24	1:29:20 PM	50.14	251.3	249.5	217.7	64.9	66.9	98.6	15111	15519	20900	51530	0.927	0.929	0.973	1	0.9	5.7	3.9	2.7	2.5
29-Dec-24	1:29:21 PM	50.14	251.3	249.5	217.6	64.9	67	99.5	15118	15525	21081	51723	0.927	0.929	0.974	1	0.9	5.7	3.9	2.7	2.4
29-Dec-24	1:29:22 PM	50.14	251.3	249.5	217.6	64.9	66.9	99.5	15115	15519	21085	51719	0.927	0.929	0.974	1	0.9	5.7	3.9	2.7	2.5
29-Dec-24	1:29:23 PM	50.14	251.2	249.5	217.6	64.8	66.9	99.6	15108	15522	21104	51733	0.927	0.929	0.974	1	0.9	5.7	3.9	2.6	2.5
29-Dec-24	1:29:24 PM	50.14	251.2	249.5	217.6	64.9	66.9	99.6	15107	15522	21106	51735	0.927	0.929	0.974	1	0.9	5.7	3.9	2.7	2.5
29-Dec-24	1:29:25 PM	50.14	251.2	249.5	217.6	64.9	67	98.9	15110	15523	20944	51577	0.927	0.929	0.973	1	0.9	5.7	3.9	2.6	2.5
29-Dec-24	1:29:26 PM	50.14	251.2	249.5	217.6	64.9	67	99.1	15119	15525	20991	51635	0.927	0.929	0.974	1	0.9	5.7	3.9	2.7	2.5
29-Dec-24	1:29:27 PM	50.14	251.3	249.5	217.6	64.9	67	99.6	15123	15526	21104	51753	0.927	0.929	0.974	1	0.9	5.6	3.9	2.6	2.6
29-Dec-24	1:29:28 PM	50.14	251.3	249.6	217.6	64.9	67	99.7	15126	15531	21120	51777	0.927	0.929	0.974	1	0.8	5.8	3.9	2.7	2.5
29-Dec-24	1:29:29 PM	50.14	251.3	249.5	217.6	64.9	66.9	99.5	15120	15521	21085	51726	0.927	0.929	0.974	1	0.9	5.7	3.9	2.7	2.5
29-Dec-24	1:29:30 PM	50.14	251.2	249.5	217.6	64.9	67	99.2	15118	15528	21005	51650	0.927	0.929	0.974	1	0.8	5.6	3.9	2.7	2.4
29-Dec-24	1:29:31 PM	50.14	251.3	249.5	217.6	64.9	67	98.6	15116	15526	20874	51516	0.927	0.929	0.973	1	0.8	5.7	3.9	2.7	2.5
29-Dec-24	1:29:32 PM	50.14	251.3	249.5	217.5	64.9	66.9	99.5	15119	15524	21063	51706	0.927	0.929	0.974	1	0.8	5.7	3.9	2.7	2.4
29-Dec-24	1:29:33 PM	50.14	251.3	249.6	217.5	64.9	67	99.4	15121	15528	21050	51698	0.927	0.929	0.974	1	0.8	5.8	3.9	2.7	2.5
29-Dec-24	1:29:34 PM	50.15	251.2	249.6	217.5	64.9	66.9	99.4	15116	15526	21052	51694	0.927	0.929	0.974	1	0.8	5.7	3.9	2.7	2.4
29-Dec-24	1:29:35 PM	50.15	251.2	249.6	217.4	64.9	67	99.4	15119	15530	21049	51698	0.927	0.929	0.973	1	0.8	5.7	3.9	2.6	2.4
29-Dec-24	1:29:36 PM	50.15	251.2	249.5	217.5	64.9	66.9	98.6	15115	15525	20859	51499	0.927	0.929	0.973	1	0.8	5.8	3.8	2.7	2.4
29-Dec-24	1:29:37 PM	50.15	251.2	249.5	217.7	64.8	66.9	93.7	15090	15511	19777	50378	0.927	0.929	0.969	1	0.8	5.8	3.9	2.6	2.8
29-Dec-24	1:29:38 PM	50.15	251.1	249.5	217.8	64.8	66.9	91.2	15082	15497	19236	49815	0.927	0.929	0.969	1	0.8	5.8	3.9	2.7	2.6
29-Dec-24	1:29:39 PM	50.15	251.1	249.4	217.8	64.8	66.9	91.2	15080	15499	19227	49807	0.927	0.929	0.969	1	0.8	5.7	3.9	2.7	2.7
29-Dec-24	1:29:40 PM	50.15	251	249.4	217.7	64.8	66.9	91.2	15082	15501	19229	49812	0.928	0.929	0.969	1	0.8	5.8	3.9	2.7	2.7
29-Dec-24	1:29:41 PM	50.15	251	249.4	217.7	64.8	66.9	90.7	15079	15498	19125	49701	0.928	0.929	0.968	0.9	0.8	5.8	4	2.7	2.6
29-Dec-24	1:29:42 PM	50.15	251	249.4	217.7	64.8	66.9	90.5	15078	15506	19071	49655	0.928	0.929	0.968	1	0.8	5.7	4	2.6	2.6
29-Dec-24	1:29:43 PM	50.15	251	249.4	217.6	64.8	66.9	91.1	15086	15508	19212	49806	0.928	0.929	0.969	1	0.8	5.8	3.9	2.6	2.7
29-Dec-24	1:29:44 PM	50.15	251	249.4	217.6	64.8	66.9	91.1	15083	15504	19194	49781	0.928	0.929	0.969	0.9	0.8	5.8	3.9	2.7	2.7
29-Dec-24	1:29:45 PM	50.15	251	249.4	217.6	64.8	66.9	91.1	15084	15509	19203	49797	0.928	0.929	0.969	1	0.8	5.8	3.9	2.7	2.7
29-Dec-24	1:29:46 PM	50.15	251	249.4	217.6	64.7	66.9	90.9	15074	15501	19167	49743	0.928	0.929	0.969	1	0.8	5.8	3.9	2.7	2.7
29-Dec-24	1:29:47 PM	50.15	251	249.4	217.6	64.8	66.9	90.3	15074	15497	19022	49592	0.928	0.929	0.968	1	0.8	5.8	3.9	2.6	2.9
29-Dec-24	1:29:48 PM	50.15	251.1	249.4	217.6	64.8	66.9	91	15086	15506	19172	49764	0.928	0.929	0.969	1	0.9	5.8	3.9	2.7	2.8
29-Dec-24	1:29:49 PM	50.15	251.1	249.5	217.6	64.8	66.9	91.2	15085	15502	19215	49802	0.927	0.929	0.969	1	0.8	5.8	3.9	2.7	2.7
29-Dec-24	1:29:50 PM	50.15	251.1	249.5	217.5	64.8	66.9	91.1	15086	15500	19205	49791	0.928	0.929	0.969	1	0.9	5.8	3.9	2.7	2.6
29-Dec-24	1:29:51 PM	50.15	251	249.4	217.5	64.8	66.9	91.1	15084	15504	19200	49788	0.927	0.929	0.969	1	0.9	5.8	3.9	2.6	2.7
29-Dec-24	1:29:52 PM	50.15	251	249.4	217.5	64.8	66.9	90.6	15078	15501	19093	49672	0.928	0.929	0.969	1	0.8	5.8	3.9	2.8	2.7

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:29:53 PM	50.15	251	249.4	217.5	64.8	66.9	90.4	15088	15505	19050	49643	0.928	0.929	0.968	1	0.8	5.8	3.8	2.7	2.7
29-Dec-24	1:29:54 PM	50.15	251.1	249.4	217.4	64.8	66.9	91.1	15092	15503	19191	49786	0.927	0.929	0.969	1	0.9	5.8	3.9	2.6	2.6
29-Dec-24	1:29:55 PM	50.15	251	249.4	217.4	64.8	66.9	91.1	15090	15499	19180	49769	0.928	0.929	0.969	1	0.9	5.8	3.8	2.7	2.7
29-Dec-24	1:29:56 PM	50.15	251	249.4	217.3	64.8	66.9	91.1	15094	15495	19174	49763	0.928	0.929	0.969	1	0.9	5.8	3.9	2.7	2.8
29-Dec-24	1:29:57 PM	50.15	251	249.4	217.3	64.8	66.9	91.1	15092	15492	19164	49749	0.928	0.929	0.969	1	0.8	5.8	3.9	2.7	2.7
29-Dec-24	1:29:58 PM	50.15	251	249.4	217.3	64.8	66.9	90.3	15089	15496	19006	49591	0.927	0.929	0.968	1	0.9	5.8	3.9	2.7	2.8
29-Dec-24	1:29:59 PM	50.14	251.1	249.4	217.3	64.8	66.9	91	15094	15494	19147	49735	0.927	0.929	0.969	1	0.9	5.8	3.8	2.7	2.6
29-Dec-24	1:30:00 PM	50.14	251.2	249.4	217.3	64.8	66.9	91.3	15100	15489	19221	49810	0.927	0.929	0.969	1	0.9	5.8	3.8	2.7	2.8
29-Dec-24	1:30:01 PM	50.14	251.2	249.4	217.3	64.9	66.9	92.1	15105	15492	19402	49999	0.927	0.929	0.97	1	0.9	5.8	3.8	2.7	2.7
29-Dec-24	1:30:02 PM	50.14	251.3	249.5	217.1	64.9	66.9	94.9	15116	15499	20043	50658	0.927	0.929	0.972	1	0.9	5.8	3.9	2.7	2.7
29-Dec-24	1:30:03 PM	50.14	251.3	249.5	217	64.9	66.9	97.8	15121	15508	20664	51294	0.927	0.929	0.974	1	0.9	5.8	3.8	2.7	2.6
29-Dec-24	1:30:04 PM	50.14	251.3	249.5	216.9	64.9	66.9	98.1	15125	15519	20736	51381	0.927	0.929	0.974	1	0.9	5.8	3.8	2.7	2.6
29-Dec-24	1:30:05 PM	50.14	251.3	249.5	216.9	64.9	67	98.7	15123	15520	20863	51506	0.927	0.929	0.974	1	0.9	5.8	3.8	2.7	2.5
29-Dec-24	1:30:06 PM	50.15	251.3	249.5	216.9	64.9	66.9	98.7	15125	15519	20862	51507	0.927	0.929	0.974	1	0.9	5.8	3.9	2.7	2.5
29-Dec-24	1:30:07 PM	50.15	251.3	249.6	216.9	64.9	67	98.7	15128	15529	20858	51515	0.927	0.929	0.974	1	0.9	5.8	3.9	2.7	2.4
29-Dec-24	1:30:08 PM	50.15	251.3	249.6	216.9	64.9	67	98.5	15129	15529	20822	51480	0.927	0.929	0.974	1	0.9	5.9	3.9	2.7	2.5
29-Dec-24	1:30:09 PM	50.15	251.3	249.6	216.9	64.9	67	97.8	15129	15525	20665	51318	0.927	0.929	0.974	1	0.9	5.9	3.9	2.7	2.5
29-Dec-24	1:30:10 PM	50.15	251.3	249.6	216.8	64.9	67	98.6	15133	15530	20822	51485	0.928	0.929	0.974	1	0.9	5.9	3.9	2.6	2.6
29-Dec-24	1:30:11 PM	50.15	251.3	249.6	216.7	64.9	67	98.8	15140	15529	20859	51527	0.928	0.929	0.974	1	0.9	5.9	3.9	2.7	2.4
29-Dec-24	1:30:12 PM	50.16	251.3	249.6	216.7	64.9	67	98.8	15138	15533	20863	51534	0.927	0.929	0.974	1	0.9	5.9	3.9	2.7	2.4
29-Dec-24	1:30:13 PM	50.16	251.3	249.6	216.6	64.9	67	98.8	15142	15533	20855	51530	0.928	0.929	0.974	1	0.9	5.9	3.9	2.7	2.4
29-Dec-24	1:30:14 PM	50.16	251.3	249.6	216.6	64.9	67	98.1	15136	15529	20708	51372	0.927	0.929	0.974	1	0.9	5.9	3.8	2.7	2.5
29-Dec-24	1:30:15 PM	50.16	251.3	249.5	216.6	64.9	67	98.2	15137	15527	20734	51398	0.928	0.929	0.974	1	0.9	5.9	3.9	2.7	2.5
29-Dec-24	1:30:16 PM	50.15	251.4	249.6	216.6	64.9	67	98.7	15140	15521	20843	51504	0.928	0.929	0.975	1	0.9	5.9	3.9	2.7	2.4
29-Dec-24	1:30:17 PM	50.16	251.3	249.6	216.5	64.9	67	98.7	15144	15529	20834	51508	0.928	0.929	0.975	1	0.9	5.9	3.9	2.8	2.5
29-Dec-24	1:30:18 PM	50.15	251.3	249.6	216.5	64.9	67	98.7	15136	15524	20833	51494	0.928	0.929	0.975	1	0.9	5.9	3.9	2.7	2.5
29-Dec-24	1:30:19 PM	50.15	251.3	249.5	216.6	64.8	66.9	95.2	15113	15508	20036	50656	0.927	0.929	0.971	1	0.9	5.9	3.8	2.7	2.4
29-Dec-24	1:30:20 PM	50.15	251.2	249.5	216.8	64.8	66.9	90.2	15088	15487	18949	49524	0.927	0.929	0.968	1	0.9	5.9	3.8	2.7	2.7
29-Dec-24	1:30:21 PM	50.15	251.2	249.5	216.7	64.8	66.9	91	15093	15493	19105	49690	0.927	0.929	0.969	1	0.9	5.9	3.9	2.7	2.6
29-Dec-24	1:30:22 PM	50.15	251.2	249.3	216.6	64.8	66.8	91.1	15098	15468	19129	49694	0.927	0.929	0.969	1	0.9	5.9	3.9	2.7	2.6
29-Dec-24	1:30:23 PM	50.15	251.2	249.2	216.6	64.8	66.8	91.1	15107	15455	19129	49690	0.927	0.929	0.969	1	0.9	6	3.9	2.7	2.6
29-Dec-24	1:30:24 PM	50.15	251.2	249.2	216.5	64.9	66.8	91.1	15108	15458	19123	49689	0.927	0.928	0.969	1	0.9	6	3.9	2.7	2.7
29-Dec-24	1:30:25 PM	50.15	251.2	249.2	216.5	64.9	66.8	90.6	15106	15461	19004	49571	0.927	0.929	0.969	1	0.9	6	3.9	2.6	2.6
29-Dec-24	1:30:26 PM	50.15	251.2	249.2	216.4	64.8	66.8	90.5	15101	15468	18967	49536	0.927	0.929	0.969	1	0.9	6	3.9	2.7	2.7
29-Dec-24	1:30:27 PM	50.15	251.2	249.2	216.3	64.8	66.8	91.2	15103	15463	19117	49683	0.927	0.929	0.969	1	0.9	6.1	3.8	2.7	2.6
29-Dec-24	1:30:28 PM	50.15	251.2	249.2	216.2	64.8	66.8	91.2	15103	15466	19103	49672	0.927	0.929	0.969	1	0.9	6.1	3.9	2.7	2.6
29-Dec-24	1:30:29 PM	50.15	251.2	249.2	216	64.9	66.8	91.2	15102	15468	19086	49657	0.927	0.929	0.969	1	0.9	6.3	3.8	2.7	2.6
29-Dec-24	1:30:30 PM	50.15	251.2	249.2	215.9	64.8	66.8	91	15100	15465	19039	49604	0.927	0.929	0.969	1	0.9	6.3	3.9	2.7	2.6
29-Dec-24	1:30:31 PM	50.15	251.1	249.1	215.7	64.6	66.8	90.2	15030	15463	18860	49353	0.927	0.929	0.969	1	0.9	6.4	3.8	2.7	2.7
29-Dec-24	1:30:32 PM	50.15	251.1	249.1	215.5	64.4	66.8	91	14993	15468	19008	49469	0.926	0.929	0.969	1	0.9	6.4	3.7	2.7	2.6
29-Dec-24	1:30:33 PM	50.15	251.1	249.1	215.2	64.4	66.8	91.2	14978	15464	19019	49461	0.926	0.929	0.969	1	0.9	6.5	3.8	2.7	2.7
29-Dec-24	1:30:34 PM	50.15	251.1	249.1	215	64.4	66.8	91.1	14974	15464	18987	49425	0.926	0.929	0.969	1	0.9	6.6	3.7	2.8	2.6

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:30:35 PM	50.15	251.1	249.1	214.6	64.4	66.8	91.2	14973	15460	18957	49389	0.926	0.929	0.969	1	0.9	6.8	3.8	2.7	2.6
29-Dec-24	1:30:36 PM	50.15	251	249	214.2	64.4	66.8	90.7	14967	15458	18818	49243	0.926	0.929	0.969	1	0.9	7	3.8	2.7	2.7
29-Dec-24	1:30:37 PM	50.15	251.1	249	213.5	64.4	66.8	90.5	14971	15454	18722	49148	0.926	0.929	0.968	1	0.9	7.4	3.9	2.7	2.7
29-Dec-24	1:30:38 PM	50.14	251.1	249	212.7	64.4	66.8	91.2	14973	15457	18778	49207	0.926	0.929	0.968	1	0.9	7.8	3.8	2.7	2.6
29-Dec-24	1:30:39 PM	50.14	251.1	249	211.9	64.4	66.8	91.1	14971	15456	18691	49118	0.926	0.929	0.968	1	0.9	8.4	3.8	2.7	2.6
29-Dec-24	1:30:40 PM	50.14	251.1	249	211.2	64.3	66.8	91.1	14961	15456	18621	49038	0.926	0.929	0.968	1	0.9	8.9	3.7	2.7	2.6
29-Dec-24	1:30:41 PM	50.14	251	249	210.7	64.3	66.8	91	14958	15456	18540	48953	0.926	0.929	0.967	1	0.9	9.2	3.8	2.7	2.6
29-Dec-24	1:30:42 PM	50.14	251	249	210.3	64.3	66.9	90.3	14952	15473	18352	48777	0.926	0.929	0.967	1	0.9	9.5	3.9	2.7	2.6
29-Dec-24	1:30:43 PM	50.14	251	249	210	64.3	66.8	90.9	14954	15451	18467	48872	0.926	0.929	0.967	1	0.9	9.7	3.8	2.7	2.6
29-Dec-24	1:30:44 PM	50.14	251	249	209.8	64.3	66.8	91.2	14954	15450	18497	48901	0.926	0.929	0.967	1	0.9	9.8	3.8	2.8	2.6
29-Dec-24	1:30:45 PM	50.13	251.2	248.9	209.7	61.6	66.7	91.2	14207	15430	18485	48123	0.919	0.929	0.966	1	0.9	9.9	3.8	2.7	2.6
29-Dec-24	1:30:46 PM	50.13	251.3	248.9	209.6	60.2	66.7	91.1	13847	15419	18464	47730	0.916	0.929	0.967	1	0.9	9.9	4	2.7	2.6
29-Dec-24	1:30:47 PM	50.13	251.3	248.9	209.3	60.2	66.7	90.6	13850	15428	18336	47615	0.916	0.929	0.966	1	0.9	10	4	2.8	2.6
29-Dec-24	1:30:48 PM	50.13	251.3	248.9	209.3	60.2	66.7	90.5	13854	15428	18298	47580	0.916	0.929	0.966	1	0.9	9.9	4.1	2.7	2.7
29-Dec-24	1:30:49 PM	50.13	251.2	248.9	209.3	60.2	66.7	91.1	13852	15428	18429	47709	0.916	0.929	0.967	1	0.9	9.8	4	2.8	2.6
29-Dec-24	1:30:50 PM	50.13	251.2	248.9	209.3	60.2	66.7	91	13853	15429	18422	47704	0.916	0.929	0.967	1	0.9	9.8	4	2.7	2.6
29-Dec-24	1:30:51 PM	50.13	251.2	248.9	209.2	60.2	66.7	91.1	13854	15430	18414	47697	0.916	0.929	0.967	1	0.9	9.8	4.1	2.7	2.7
29-Dec-24	1:30:52 PM	50.13	251.2	248.9	208.9	60.2	66.7	91.1	13848	15426	18383	47656	0.916	0.929	0.966	1	0.9	10	4.1	2.7	2.6
29-Dec-24	1:30:53 PM	50.13	251.1	248.8	208.7	60.2	66.7	90.2	13844	15420	18186	47450	0.916	0.929	0.966	1	0.9	10.2	4.1	2.7	2.6
29-Dec-24	1:30:54 PM	50.13	251.2	248.8	208.4	60.2	66.7	90.8	13848	15415	18275	47537	0.916	0.929	0.966	1	0.9	10.3	4.1	2.8	2.7
29-Dec-24	1:30:55 PM	50.13	251.3	248.8	209	60.2	66.7	91.2	13856	15412	18401	47669	0.916	0.929	0.966	1	0.9	10.4	4.1	2.7	2.6
29-Dec-24	1:30:56 PM	50.13	251.3	248.9	209.5	60.2	66.7	91.2	13848	15411	18437	47695	0.916	0.929	0.965	1	0.9	10.3	4.1	2.7	2.6
29-Dec-24	1:30:57 PM	50.13	251.3	248.8	210.4	60.2	66.6	91.2	13851	15412	18511	47774	0.916	0.929	0.965	1	0.9	10.3	4.1	2.7	2.6
29-Dec-24	1:30:58 PM	50.13	251.3	248.8	213.8	60.2	66.6	90.9	13843	15408	18798	48049	0.916	0.929	0.967	1	0.9	9.9	4	2.7	2.6
29-Dec-24	1:30:59 PM	50.13	251.2	248.8	215.4	60.2	66.6	90.3	13851	15410	18844	48105	0.916	0.929	0.969	1	0.9	6.5	4.1	2.8	2.6
29-Dec-24	1:31:00 PM	50.13	251.3	248.8	214.8	60.3	66.7	91.1	13881	15416	18969	48267	0.916	0.929	0.969	1	0.9	6.7	4.1	2.8	2.6
29-Dec-24	1:31:01 PM	50.13	251.2	248.8	212.7	60.4	66.7	91.2	13904	15413	18772	48089	0.917	0.929	0.968	1	0.9	8.1	4.2	2.7	2.6
29-Dec-24	1:31:02 PM	50.13	251.2	248.8	211.5	60.3	66.7	91.1	13879	15417	18627	47923	0.917	0.929	0.966	1	0.9	9.5	4.1	2.7	2.6
29-Dec-24	1:31:03 PM	50.13	251.2	248.8	213	60.3	66.7	91.1	13878	15415	18789	48082	0.916	0.929	0.968	1	0.9	8	4.2	2.7	2.6
29-Dec-24	1:31:04 PM	50.13	251.2	248.8	213.6	60.2	66.7	90.5	13865	15419	18697	47981	0.916	0.93	0.967	1	0.9	9.3	4.1	2.8	2.6
29-Dec-24	1:31:05 PM	50.13	251.2	248.8	213.2	60.3	66.7	90.6	13861	15418	18687	47966	0.916	0.929	0.968	0.9	0.9	7.9	4.1	2.8	2.7
29-Dec-24	1:31:06 PM	50.13	251.3	248.9	211.2	60.2	66.7	91.1	13861	15428	18590	47879	0.916	0.929	0.966	1	0.9	9.8	4.1	2.8	2.7
29-Dec-24	1:31:07 PM	50.13	251.2	248.9	214	60.2	66.7	91.2	13856	15423	18878	48158	0.916	0.929	0.968	1	0.9	6.3	4.1	2.7	2.6
29-Dec-24	1:31:08 PM	50.12	251.2	248.9	211.2	60.2	66.7	91.2	13853	15418	18603	47873	0.916	0.929	0.966	1	0.9	9.8	4.1	2.8	2.6
29-Dec-24	1:31:09 PM	50.12	251.2	248.9	213.9	60.5	66.7	91	13916	15414	18845	48175	0.915	0.929	0.968	1	0.9	7.5	4.1	2.7	2.6
29-Dec-24	1:31:10 PM	50.12	251.1	248.8	213.7	60.7	66.7	90.2	13954	15417	18670	48041	0.915	0.929	0.968	1	0.8	7	4	2.8	2.7
29-Dec-24	1:31:11 PM	50.12	251.1	248.8	213.4	60.7	66.7	90.9	13946	15420	18768	48134	0.915	0.929	0.967	1	0.9	7.3	4.1	2.7	2.6
29-Dec-24	1:31:12 PM	50.12	251.2	248.8	212.7	60.7	66.7	91.1	13945	15416	18742	48103	0.915	0.929	0.967	0.9	0.8	9.7	4	2.8	2.7
29-Dec-24	1:31:13 PM	50.12	251.2	248.8	214	60.6	66.7	91.1	13938	15412	18841	48191	0.915	0.929	0.967	1	0.8	10.2	4.1	2.7	2.6
29-Dec-24	1:31:14 PM	50.12	251.2	248.9	216.6	60.6	66.7	91.1	13939	15415	19116	48470	0.915	0.929	0.969	1	0.9	6.4	4	2.8	2.6
29-Dec-24	1:31:15 PM	50.12	251.2	248.8	215.6	60.6	66.7	90.6	13932	15414	18906	48252	0.915	0.929	0.968	1	0.8	7.1	4.1	2.7	2.7
29-Dec-24	1:31:16 PM	50.12	251.2	248.8	214.5	60.6	66.7	90.4	13933	15412	18752	48098	0.915	0.929	0.967	1	0.8	7.6	4.1	2.8	2.6

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:31:17 PM	50.12	251.1	248.8	213.5	60.6	66.7	91.2	13932	15406	18829	48167	0.915	0.929	0.967	1	0.7	8.3	4	2.7	2.7
29-Dec-24	1:31:18 PM	50.12	251.2	248.8	212.4	60.6	66.7	91.1	13933	15410	18699	48042	0.915	0.929	0.966	1	0.8	9	4.1	2.7	2.6
29-Dec-24	1:31:19 PM	50.12	251.2	248.9	211.3	60.7	66.7	91.1	13950	15412	18593	47955	0.915	0.929	0.966	1	0.8	10.1	4	2.7	2.6
29-Dec-24	1:31:20 PM	50.12	251.2	248.8	216.5	60.7	66.7	91.1	13945	15408	19114	48467	0.915	0.929	0.969	1	0.8	6	4.1	2.7	2.6
29-Dec-24	1:31:21 PM	50.11	251.2	248.8	213.7	60.7	66.7	90.7	13946	15406	18782	48134	0.915	0.929	0.968	1	0.8	7	4.2	2.7	2.7
29-Dec-24	1:31:22 PM	50.11	251.1	248.8	212.2	60.6	66.6	91.2	13929	15403	18722	48054	0.915	0.929	0.967	1	0.8	9.8	4	2.7	2.7
29-Dec-24	1:31:23 PM	50.11	251.2	248.8	216.3	60.6	66.6	91.8	13930	15400	19229	48559	0.915	0.929	0.969	1	0.8	6.6	4	2.7	2.6
29-Dec-24	1:31:24 PM	50.11	251.2	248.8	215.3	60.7	66.6	91.5	13936	15400	19075	48410	0.915	0.929	0.968	1	0.8	7.3	4	2.7	2.7
29-Dec-24	1:31:25 PM	50.11	251.2	248.8	213.9	60.7	66.7	91.9	13943	15408	19019	48369	0.915	0.929	0.968	1	0.8	9	4.1	2.7	2.6
29-Dec-24	1:31:26 PM	50.11	251.2	248.8	210.9	60.7	66.6	90.8	13936	15401	18509	47847	0.915	0.929	0.966	1	0.8	9.6	4.1	2.7	2.7
29-Dec-24	1:31:27 PM	50.11	251.2	248.8	211.8	60.7	66.7	91	13942	15401	18649	47992	0.915	0.929	0.967	1	0.9	8.4	4.1	2.7	2.6
29-Dec-24	1:31:28 PM	50.11	251.1	248.7	212.7	60.7	66.6	91.4	13939	15396	18827	48162	0.915	0.929	0.968	1	0.8	8.2	4.1	2.7	2.7
29-Dec-24	1:31:29 PM	50.11	251.2	248.8	213.1	60.7	66.7	92	13947	15406	18977	48330	0.915	0.929	0.968	1	0.9	10.2	4.1	2.7	2.7
29-Dec-24	1:31:30 PM	50.11	251.1	248.8	211.3	60.7	66.6	91.4	13942	15402	18668	48012	0.915	0.929	0.967	1	0.8	9.4	4.2	2.7	2.6
29-Dec-24	1:31:31 PM	50.11	251.2	248.8	215.1	60.7	66.7	92	13948	15407	19164	48518	0.915	0.929	0.969	1	0.9	5.6	4.2	2.7	2.7
29-Dec-24	1:31:32 PM	50.11	251.1	248.7	211.5	60.7	66.7	90.5	13948	15403	18496	47846	0.915	0.929	0.967	1	0.9	7.2	4.2	2.6	2.7
29-Dec-24	1:31:33 PM	50.11	251.1	248.7	210.4	60.7	66.6	91.7	13949	15402	18655	48006	0.915	0.929	0.967	1	0.9	10.5	4.2	2.7	2.7
29-Dec-24	1:31:34 PM	50.11	251	248.7	211.5	60.7	66.6	91.2	13947	15399	18654	47999	0.915	0.929	0.967	1	0.9	8.4	4.3	2.7	2.7
29-Dec-24	1:31:35 PM	50.11	251	248.7	210.2	60.7	66.7	92	13945	15402	18702	48049	0.915	0.929	0.967	1	0.8	9.3	4.3	2.7	2.7
29-Dec-24	1:31:36 PM	50.11	251	248.7	209.6	60.7	66.6	91.1	13947	15398	18458	47803	0.916	0.929	0.966	1	0.9	9.9	4.2	2.6	2.7
29-Dec-24	1:31:37 PM	50.11	251	248.7	208.7	60.7	66.6	90.8	13944	15399	18301	47643	0.915	0.929	0.966	1	0.8	10.4	4.3	2.7	2.7
29-Dec-24	1:31:38 PM	50.11	251	248.7	207.9	60.7	66.6	90.3	13938	15396	18109	47442	0.915	0.929	0.965	1	0.9	10.9	4.3	2.6	2.7
29-Dec-24	1:31:39 PM	50.11	251	248.7	207.3	60.7	66.6	91.2	13940	15400	18226	47566	0.915	0.929	0.965	1	0.9	11.3	4.3	2.7	2.6
29-Dec-24	1:31:40 PM	50.11	251	248.7	206.9	60.7	66.6	91.1	13940	15395	18177	47511	0.915	0.929	0.964	1	0.7	11.5	4.2	2.7	2.6
29-Dec-24	1:31:41 PM	50.11	251	248.7	209.9	60.7	66.6	91.1	13938	15395	18475	47808	0.916	0.929	0.966	1	0.9	10.1	4.3	2.7	2.6
29-Dec-24	1:31:42 PM	50.11	251	248.7	212.1	60.7	66.6	91.1	13935	15395	18696	48026	0.915	0.929	0.967	1	0.9	9.5	4.3	2.7	2.7
29-Dec-24	1:31:43 PM	50.11	251	248.6	216.5	60.7	66.6	90.4	13936	15395	18957	48288	0.915	0.929	0.968	1	0.9	5.7	4.3	2.6	2.6
29-Dec-24	1:31:44 PM	50.11	251	248.7	215.4	60.7	66.6	90.7	13943	15394	18909	48246	0.915	0.929	0.968	1	0.9	6.7	4.3	2.7	2.7
29-Dec-24	1:31:45 PM	50.11	251	248.7	217.4	60.7	66.6	91.1	13949	15399	19175	48524	0.916	0.929	0.968	1	0.9	5.2	4.3	2.7	2.7
29-Dec-24	1:31:46 PM	50.1	251	248.7	219.5	60.7	66.7	91.1	13957	15406	19382	48745	0.916	0.929	0.969	1	0.9	5.1	4.3	2.7	2.7
29-Dec-24	1:31:47 PM	50.1	251	248.7	215.2	60.7	66.6	91.2	13953	15400	18996	48349	0.915	0.929	0.968	1	0.9	7	4.3	2.7	2.6
29-Dec-24	1:31:48 PM	50.1	251	248.6	215.7	60.7	66.6	90.8	13952	15396	18931	48279	0.915	0.93	0.967	1	0.9	8.8	4.4	2.7	2.6
29-Dec-24	1:31:49 PM	50.1	250.9	248.6	220.8	60.7	66.6	91.3	13953	15392	19523	48868	0.916	0.93	0.969	1	0.9	5	4.3	2.7	2.6
29-Dec-24	1:31:50 PM	50.1	250.9	248.6	221.7	60.7	66.6	90.3	13939	15382	19371	48692	0.916	0.929	0.968	1	0.9	4.9	4.3	2.7	2.7
29-Dec-24	1:31:51 PM	50.1	250.8	248.5	221.2	60.6	66.6	87.1	13915	15372	18618	47904	0.916	0.929	0.966	1	0.9	5.2	4.5	2.7	2.8
29-Dec-24	1:31:52 PM	50.1	250.8	248.5	220.3	60.6	66.5	87.1	13910	15359	18531	47799	0.916	0.929	0.966	1	0.9	5.4	4.3	2.6	2.8
29-Dec-24	1:31:53 PM	50.1	250.8	248.6	219.1	60.5	66.5	86.4	13909	15362	18269	47540	0.916	0.929	0.965	1	0.9	6.2	4.4	2.7	2.8
29-Dec-24	1:31:54 PM	50.1	250.8	248.5	217.5	60.6	66.5	88	13915	15362	18499	47776	0.916	0.929	0.966	1	0.9	7.1	4.4	2.7	2.9
29-Dec-24	1:31:55 PM	50.1	250.8	248.5	216.9	60.5	66.5	88.1	13913	15360	18477	47750	0.916	0.929	0.966	1	0.9	8.2	4.3	2.7	2.9
29-Dec-24	1:31:56 PM	50.1	250.8	248.5	220.8	60.6	66.6	89.4	13915	15367	19124	48406	0.916	0.929	0.969	1	0.9	5.2	4.5	2.7	2.7
29-Dec-24	1:31:57 PM	50.1	250.8	248.5	217.9	60.5	66.5	89.1	13898	15360	18803	48061	0.916	0.929	0.969	1	0.9	6.1	4.4	2.7	2.8
29-Dec-24	1:31:58 PM	50.1	250.8	248.5	221	60.5	66.5	89.1	13895	15362	19045	48302	0.916	0.929	0.968	1	0.9	8.3	4.4	2.7	2.8

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:31:59 PM	50.1	250.8	248.5	221.1	60.5	66.6	89.2	13906	15367	19096	48369	0.916	0.929	0.968	1	0.9	5.2	4.4	2.7	2.8
29-Dec-24	1:32:00 PM	50.1	250.8	248.5	216	60.5	66.5	87.7	13896	15365	18315	47576	0.916	0.929	0.966	1	0.9	7.4	4.3	2.7	3
29-Dec-24	1:32:01 PM	50.1	250.8	248.5	221.7	60.5	66.6	89.6	13913	15370	19223	48507	0.916	0.929	0.968	1	0.9	5.2	4.4	2.7	2.8
29-Dec-24	1:32:02 PM	50.1	250.8	248.5	218.2	60.6	66.6	88.9	13937	15366	18771	48074	0.917	0.929	0.967	1	0.8	6.9	4.4	2.7	2.9
29-Dec-24	1:32:03 PM	50.1	250.8	248.5	218.2	60.6	66.6	89.3	13944	15369	18864	48177	0.917	0.929	0.968	1	0.9	5.2	4.4	2.7	2.8
29-Dec-24	1:32:04 PM	50.1	250.9	248.5	214.5	60.6	66.6	89.4	13939	15363	18532	47834	0.916	0.929	0.966	1	0.8	9.2	4.4	2.7	2.8
29-Dec-24	1:32:05 PM	50.09	251	248.5	215.3	60.6	66.6	88.2	13946	15359	18363	47669	0.916	0.929	0.966	1	0.9	9	4.4	2.7	2.8
29-Dec-24	1:32:06 PM	50.09	251	248.5	215.9	60.7	66.5	89	13961	15355	18566	47881	0.917	0.928	0.967	1	0.9	7.1	4.4	2.6	2.9
29-Dec-24	1:32:07 PM	50.09	251	248.5	217.1	60.6	66.5	88.7	13935	15357	18638	47931	0.916	0.929	0.968	1	0.8	6.9	4.3	2.6	2.9
29-Dec-24	1:32:08 PM	50.09	251	248.5	216.5	60.6	66.5	89.5	13937	15356	18760	48053	0.916	0.929	0.968	1	0.9	6	4.3	2.6	2.8
29-Dec-24	1:32:09 PM	50.09	251	248.5	220.7	60.5	66.5	89.1	13924	15355	19028	48307	0.916	0.929	0.968	1	0.9	7.6	4.3	2.7	2.8
29-Dec-24	1:32:10 PM	50.09	251	248.5	221.9	60.1	66.6	88.9	13843	15353	19109	48306	0.917	0.928	0.969	1	0.9	5.2	4.4	2.6	2.9
29-Dec-24	1:32:11 PM	50.09	251	248.5	221.6	60.1	66.5	88.7	13838	15355	19032	48225	0.917	0.929	0.969	1	0.9	5.2	4.5	2.7	2.8
29-Dec-24	1:32:12 PM	50.09	251	248.5	218.1	60.1	66.6	88.5	13836	15352	18664	47851	0.917	0.928	0.967	1	0.8	6.9	4.4	2.6	2.9
29-Dec-24	1:32:13 PM	50.09	251	248.5	217.1	60.1	66.6	89.8	13840	15359	18859	48057	0.917	0.929	0.967	1	0.9	7.3	4.3	2.6	2.8
29-Dec-24	1:32:14 PM	50.09	250.9	248.4	214.8	60.1	66.5	88.9	13832	15348	18467	47647	0.918	0.928	0.966	1	0.9	8.7	4.4	2.6	2.9
29-Dec-24	1:32:15 PM	50.08	250.9	248.4	218.2	60.1	66.5	89.3	13833	15349	18838	48019	0.917	0.929	0.967	1	0.9	9	4.3	2.7	2.8
29-Dec-24	1:32:16 PM	50.08	250.9	248.4	223.2	60.1	66.6	88.9	13832	15355	19215	48402	0.918	0.929	0.969	1	0.9	4.9	4.4	2.7	2.8
29-Dec-24	1:32:17 PM	50.08	250.9	248.4	221.7	60	66.5	88.1	13821	15346	18891	48057	0.917	0.929	0.968	1	0.9	5.2	4.4	2.7	2.9
29-Dec-24	1:32:18 PM	50.08	250.9	248.4	219.4	60.1	66.5	89.8	13843	15348	19055	48247	0.918	0.929	0.967	1	0.9	8.3	4.4	2.6	2.8
29-Dec-24	1:32:19 PM	50.08	250.9	248.4	223	60.1	66.6	88.7	13831	15350	19136	48318	0.917	0.928	0.968	1	0.8	5	4.3	2.7	2.8
29-Dec-24	1:32:20 PM	50.08	250.9	248.4	220.8	60.1	66.5	89.5	13831	15345	19125	48300	0.917	0.929	0.968	1	0.9	6.2	4.3	2.7	2.7
29-Dec-24	1:32:21 PM	50.08	250.9	248.4	219	60	66.5	89	13823	15344	18847	48014	0.917	0.929	0.967	1	0.9	6.9	4.4	2.7	2.8
29-Dec-24	1:32:22 PM	50.08	250.9	248.4	223.5	60	66.5	88.2	13818	15341	19070	48228	0.917	0.928	0.968	1	0.9	4.4	4.3	2.7	2.9
29-Dec-24	1:32:23 PM	50.08	251	248.4	223.1	60.1	66.5	89.2	13828	15343	19264	48435	0.917	0.929	0.968	1	0.9	5	4.4	2.7	2.8
29-Dec-24	1:32:24 PM	50.08	251	248.4	221	60	66.5	88.6	13821	15338	18940	48099	0.917	0.928	0.967	1	0.9	6.3	4.4	2.7	2.9
29-Dec-24	1:32:25 PM	50.08	251	248.5	218.8	60.1	66.5	89.8	13827	15348	18985	48160	0.917	0.929	0.967	1	0.8	8.2	4.3	2.7	2.8
29-Dec-24	1:32:26 PM	50.08	251	248.4	223.7	60.1	66.5	88.9	13829	15341	19245	48416	0.917	0.929	0.968	1	0.9	4.4	4.4	2.7	2.8
29-Dec-24	1:32:27 PM	50.08	251	248.4	224.6	60.1	66.5	89.5	13825	15340	19476	48641	0.917	0.928	0.969	1	0.8	4.3	4.4	2.7	2.8
29-Dec-24	1:32:28 PM	50.08	250.9	248.4	224.4	60	66.5	88.8	13821	15338	19289	48448	0.917	0.929	0.968	1	0.9	4.3	4.4	2.6	2.9
29-Dec-24	1:32:29 PM	50.08	251	248.4	224.2	60.1	66.6	91.8	13828	15351	19918	49097	0.917	0.928	0.967	1	0.9	4.4	4.4	2.7	2.8
29-Dec-24	1:32:30 PM	50.08	251	248.4	224.1	60	66.5	90.5	13821	15349	19657	48828	0.917	0.929	0.969	1	0.9	4.4	4.4	2.7	2.7
29-Dec-24	1:32:31 PM	50.08	251	248.4	223.9	60	66.5	89.5	13814	15348	19397	48559	0.917	0.929	0.968	1	0.9	4.6	4.3	2.7	2.8
29-Dec-24	1:32:32 PM	50.08	250.9	248.4	223.7	60	66.5	90.4	13816	15345	19584	48745	0.917	0.929	0.969	1	0.8	4.7	4.4	2.7	2.7
29-Dec-24	1:32:33 PM	50.08	250.9	248.4	223.6	60	66.6	89.4	13813	15352	19337	48503	0.917	0.929	0.968	1	0.9	4.8	4.4	2.7	2.8
29-Dec-24	1:32:34 PM	50.08	250.9	248.4	223.4	60	66.5	89.1	13805	15341	19271	48417	0.917	0.929	0.968	1	0.7	4.8	4.4	2.6	2.8
29-Dec-24	1:32:35 PM	50.08	251	248.4	223	60	66.6	90.5	13820	15356	19542	48718	0.917	0.929	0.969	1	0.7	5.1	4.4	2.7	2.8
29-Dec-24	1:32:36 PM	50.08	251	248.4	222.7	60	66.5	89.5	13816	15346	19305	48467	0.917	0.929	0.968	1	0.8	5.1	4.4	2.7	2.7
29-Dec-24	1:32:37 PM	50.08	250.9	248.4	222.3	60	66.5	90.7	13812	15340	19525	48677	0.917	0.929	0.969	1	0.8	5.4	4.3	2.7	2.7
29-Dec-24	1:32:38 PM	50.08	250.9	248.4	222.2	60	66.5	89.7	13810	15339	19302	48451	0.917	0.929	0.968	1	0.8	5.4	4.3	2.7	2.7
29-Dec-24	1:32:39 PM	50.08	250.9	248.4	221.5	60	66.5	89.4	13806	15341	19165	48312	0.917	0.929	0.968	1	0.8	5.8	4.3	2.7	2.8
29-Dec-24	1:32:40 PM	50.07	250.9	248.4	219.2	60	66.5	89.6	13815	15343	18984	48142	0.917	0.928	0.966	1	0.8	7.5	4.4	2.7	2.8

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:32:41 PM	50.07	250.9	248.4	218	60	66.5	89.8	13813	15335	18882	48031	0.917	0.929	0.965	1	0.7	8.5	4.3	2.7	2.8
29-Dec-24	1:32:42 PM	50.07	250.9	248.4	217.8	60	66.6	90.5	13817	15353	19035	48205	0.917	0.929	0.965	1	0.7	8.8	4.4	2.7	2.7
29-Dec-24	1:32:43 PM	50.07	250.9	248.4	217.8	60	66.5	89.4	13814	15338	18781	47933	0.917	0.929	0.964	1	0.8	8.8	4.4	2.6	2.7
29-Dec-24	1:32:44 PM	50.07	250.9	248.4	217.2	60	66.5	90.2	13813	15338	18901	48052	0.917	0.928	0.965	1	0.7	8.9	4.3	2.7	2.7
29-Dec-24	1:32:45 PM	50.07	250.9	248.4	220.1	60	66.5	88.9	13812	15336	18923	48070	0.917	0.929	0.967	1	0.7	5.5	4.4	2.7	2.9
29-Dec-24	1:32:46 PM	50.07	250.9	248.4	220.5	60	66.5	89.8	13813	15342	19177	48333	0.917	0.928	0.968	1	0.7	5.8	4.4	2.7	2.8
29-Dec-24	1:32:47 PM	50.07	250.9	248.4	219.7	60	66.5	90.3	13820	15343	19204	48367	0.917	0.929	0.968	1	0.7	6.5	4.3	2.7	2.8
29-Dec-24	1:32:48 PM	50.07	250.9	248.4	219.2	60	66.5	89.5	13810	15346	18975	48130	0.917	0.928	0.967	1	0.8	6.6	4.3	2.7	2.8
29-Dec-24	1:32:49 PM	50.07	250.8	248.4	218.1	60	66.5	89.5	13804	15336	18858	47997	0.917	0.929	0.967	1	0.7	7.4	4.3	2.7	2.8
29-Dec-24	1:32:50 PM	50.06	250.8	248.3	217.7	60	66.5	88.9	13793	15336	18700	47828	0.917	0.929	0.966	1	0.7	7.7	4.4	2.7	2.8
29-Dec-24	1:32:51 PM	50.06	250.8	248.3	217.7	59.9	66.5	88.7	13792	15330	18669	47791	0.917	0.929	0.966	1	0.8	7.7	4.3	2.6	2.9
29-Dec-24	1:32:52 PM	50.06	250.8	248.3	217.9	59.9	66.5	89.4	13792	15334	18834	47960	0.917	0.929	0.967	1	0.7	7.6	4.3	2.7	2.7
29-Dec-24	1:32:53 PM	50.06	250.8	248.3	218	60	66.5	89.4	13798	15338	18844	47981	0.917	0.929	0.967	1	0.7	7.4	4.4	2.7	2.8
29-Dec-24	1:32:54 PM	50.06	250.8	248.4	218.2	60	66.5	89.4	13798	15342	18854	47995	0.917	0.928	0.967	1	0.7	7.2	4.4	2.7	2.7
29-Dec-24	1:32:55 PM	50.06	250.8	248.3	218.3	60	66.5	89.3	13793	15337	18846	47977	0.917	0.929	0.967	1	0.7	7.1	4.3	2.7	2.8
29-Dec-24	1:32:56 PM	50.06	250.8	248.3	218.4	60	66.5	88.6	13797	15337	18690	47824	0.917	0.929	0.967	1	0.7	7.1	4.4	2.7	2.8
29-Dec-24	1:32:57 PM	50.06	250.8	248.3	218.4	60	66.5	89.2	13807	15339	18840	47986	0.917	0.929	0.967	1	0.7	6.9	4.3	2.6	2.8
29-Dec-24	1:32:58 PM	50.05	250.8	248.3	218.4	60	66.5	89.4	13804	15335	18881	48020	0.917	0.928	0.967	1	0.7	6.9	4.3	2.7	2.7
29-Dec-24	1:32:59 PM	50.05	250.8	248.3	218.4	60	66.5	89.4	13804	15333	18882	48019	0.917	0.928	0.967	1	0.7	6.9	4.3	2.6	2.7
29-Dec-24	1:33:00 PM	50.05	250.8	248.4	218.5	60	66.5	89.4	13802	15335	18895	48032	0.917	0.928	0.967	1	0.7	6.9	4.3	2.7	2.7
29-Dec-24	1:33:01 PM	50.05	250.9	248.4	218.4	60.1	66.6	91.9	13826	15352	19431	48608	0.917	0.928	0.969	1	0.7	6.8	4.4	2.7	2.7
29-Dec-24	1:33:02 PM	50.06	251.1	248.5	218.2	58.4	66.5	94.6	13357	15348	20048	48753	0.91	0.928	0.971	1	0.7	6.8	4.4	2.7	2.6
29-Dec-24	1:33:03 PM	50.06	251.4	248.3	218	52.1	66.5	95.5	11643	15322	20249	47204	0.889	0.928	0.972	1	0.7	6.8	5.1	2.7	2.6
29-Dec-24	1:33:04 PM	50.06	251.4	248.4	218	52.1	66.5	95.5	11642	15331	20231	47195	0.889	0.928	0.972	1	0.7	6.9	5	2.6	2.6
29-Dec-24	1:33:05 PM	50.06	251.4	248.4	218	52	66.5	95.4	11635	15323	20212	47170	0.889	0.928	0.972	1	0.7	6.9	5	2.7	2.6
29-Dec-24	1:33:06 PM	50.06	251.4	248.4	218	52.1	66.5	95.4	11641	15333	20209	47183	0.889	0.928	0.972	1	0.7	6.9	5.1	2.7	2.5
29-Dec-24	1:33:07 PM	50.06	251.3	248.3	218	52.1	66.5	94.6	11641	15327	20045	47012	0.89	0.928	0.971	1	0.7	6.8	5.1	2.7	2.7
29-Dec-24	1:33:08 PM	50.06	251.3	248.3	218	52.1	66.5	94.8	11634	15327	20082	47043	0.889	0.928	0.972	1	0.8	6.8	5	2.6	2.6
29-Dec-24	1:33:09 PM	50.06	251.3	248.3	218	52	66.5	95.4	11634	15323	20204	47161	0.89	0.928	0.972	1	0.8	6.9	5.1	2.6	2.6
29-Dec-24	1:33:10 PM	50.05	251.4	248.3	218	52.1	66.5	95.4	11637	15325	20212	47174	0.889	0.928	0.972	1.1	0.8	6.8	5	2.7	2.6
29-Dec-24	1:33:11 PM	50.05	251.4	248.3	218	52.1	66.5	95.4	11637	15319	20213	47168	0.889	0.928	0.972	1	0.7	6.8	5.1	2.7	2.6
29-Dec-24	1:33:12 PM	50.05	251.4	248.3	218	52.1	66.5	95.4	11638	15317	20218	47173	0.889	0.928	0.972	1	0.8	6.8	5.1	2.7	2.7
29-Dec-24	1:33:13 PM	50.05	251.4	248.3	218.1	52	66.5	94.5	11631	15319	20022	46972	0.889	0.928	0.971	1	0.8	6.8	5	2.7	2.6
29-Dec-24	1:33:14 PM	50.06	251.4	248.3	218.1	52.1	66.5	95.2	11637	15320	20161	47118	0.889	0.928	0.972	1.1	0.8	6.8	5	2.7	2.8
29-Dec-24	1:33:15 PM	50.05	251.4	248.3	218.1	52	66.5	95.4	11631	15318	20214	47163	0.889	0.928	0.972	1.1	0.8	6.8	5.1	2.7	2.6
29-Dec-24	1:33:16 PM	50.05	251.4	248.3	218.1	52	66.5	95.4	11630	15324	20213	47167	0.889	0.928	0.972	1.1	0.8	6.8	5.1	2.7	2.6
29-Dec-24	1:33:17 PM	50.06	251.3	248.3	218.1	52	66.5	95.4	11628	15329	20212	47169	0.889	0.928	0.972	1	0.8	6.8	4.9	2.7	2.7
29-Dec-24	1:33:18 PM	50.06	251.3	248.3	218.1	52	66.5	95	11626	15325	20142	47093	0.889	0.928	0.972	1	0.8	6.8	5	2.7	2.7
29-Dec-24	1:33:19 PM	50.05	251.3	248.3	218.1	52	66.5	94.5	11631	15323	20029	46983	0.889	0.928	0.972	1.1	0.8	6.8	5.1	2.7	2.7
29-Dec-24	1:33:20 PM	50.06	251.3	248.3	218.1	52	66.5	95.3	11631	15324	20207	47162	0.889	0.928	0.972	1	0.8	6.8	5	2.7	2.7
29-Dec-24	1:33:21 PM	50.06	251.3	248.3	218.1	52	66.5	95.5	11637	15332	20244	47203	0.89	0.928	0.972	1	0.8	6.8	5.1	2.7	2.6
29-Dec-24	1:33:22 PM	50.06	251.3	248.3	218.1	52	66.5	95.5	11629	15330	20239	47188	0.89	0.928	0.972	1	0.9	6.8	4.9	2.7	2.6

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:33:23 PM	50.06	251.3	248.3	218.1	52	66.5	95.4	11631	15329	20235	47185	0.889	0.928	0.972	1	0.9	6.8	5	2.6	2.6
29-Dec-24	1:33:24 PM	50.06	251.3	248.3	218.1	52	66.5	94.9	11631	15322	20112	47064	0.89	0.928	0.972	1	0.9	6.7	5.1	2.7	2.7
29-Dec-24	1:33:25 PM	50.06	251.2	248.2	218.1	52.1	66.5	94.7	11652	15321	20069	47043	0.889	0.929	0.972	1	0.9	6.7	5	2.7	2.7
29-Dec-24	1:33:26 PM	50.06	251.2	248.2	218	52	66.5	95.4	11630	15325	20230	47176	0.89	0.929	0.972	1	0.9	6.7	5.1	2.7	2.7
29-Dec-24	1:33:27 PM	50.06	251.2	248.2	218	52	66.5	95.4	11632	15324	20216	47172	0.89	0.928	0.972	1	0.9	6.7	5.1	2.7	2.6
29-Dec-24	1:33:28 PM	50.06	251.1	248.1	217.9	52	66.5	95.4	11628	15322	20210	47159	0.89	0.929	0.972	1	0.9	6.7	5.1	2.7	2.6
29-Dec-24	1:33:29 PM	50.06	251.1	248.2	217.9	52	66.5	95.4	11624	15316	20201	47140	0.89	0.928	0.972	1	0.9	6.7	4.9	2.7	2.7
29-Dec-24	1:33:30 PM	50.06	251.1	248.1	218	52	66.5	94.6	11621	15317	20027	46965	0.89	0.929	0.972	1	0.9	6.7	5	2.7	2.7
29-Dec-24	1:33:31 PM	50.05	251.1	248.1	217.9	52	66.5	94.9	11619	15316	20108	47043	0.89	0.929	0.972	1	0.9	6.7	5.1	2.7	2.6
29-Dec-24	1:33:32 PM	50.05	251.1	248.1	217.9	52	66.5	95.4	11618	15319	20206	47143	0.89	0.929	0.972	1	0.9	6.7	5.1	2.7	2.6
29-Dec-24	1:33:33 PM	50.05	251.1	248.2	218	52	66.5	95.4	11620	15326	20205	47151	0.89	0.929	0.972	1	0.9	6.7	5.1	2.8	2.6
29-Dec-24	1:33:34 PM	50.05	251.1	248.1	218	52	66.5	95.4	11618	15324	20206	47147	0.89	0.929	0.972	1	0.9	6.7	5.1	2.7	2.6
29-Dec-24	1:33:35 PM	50.05	251.1	248.1	218	51.9	66.5	95.2	11610	15318	20169	47096	0.89	0.928	0.972	1	0.9	6.7	5.1	2.7	2.7
29-Dec-24	1:33:36 PM	50.05	251	248.1	218	51.9	66.5	94.5	11600	15319	20011	46931	0.89	0.929	0.972	1	0.9	6.7	5	2.7	2.7
29-Dec-24	1:33:37 PM	50.05	251	248.1	218	52	66.5	95.2	11607	15314	20181	47103	0.89	0.928	0.972	1	0.9	6.7	5.1	2.7	2.6
29-Dec-24	1:33:38 PM	50.05	251.1	248.1	218	51.9	66.5	95.4	11608	15313	20217	47138	0.89	0.929	0.972	1	0.9	6.7	5	2.7	2.7
29-Dec-24	1:33:39 PM	50.04	251	248.1	218	51.9	66.4	95.3	11598	15305	20200	47103	0.89	0.929	0.972	1	0.9	6.7	5	2.7	2.7
29-Dec-24	1:33:40 PM	50.04	251.1	248.1	218	51.9	66.5	95.3	11602	15311	20200	47113	0.89	0.929	0.972	1	0.9	6.7	5	2.7	2.7
29-Dec-24	1:33:41 PM	50.05	251	248.1	218	51.9	66.4	94.8	11599	15308	20093	47001	0.89	0.929	0.972	1	0.8	6.7	5.1	2.7	2.7
29-Dec-24	1:33:42 PM	50.05	251	248.1	218.1	51.9	66.4	94.4	11598	15308	20013	46919	0.89	0.929	0.972	1	0.9	6.7	5.1	2.7	2.7
29-Dec-24	1:33:43 PM	50.05	251.1	248.2	218	51.9	66.4	95.4	11603	15309	20209	47120	0.89	0.929	0.972	1	0.9	6.7	5.1	2.7	2.7
29-Dec-24	1:33:44 PM	50.05	251.1	248.1	218	51.9	66.5	95.4	11605	15314	20209	47128	0.89	0.929	0.972	1	0.9	6.7	5	2.7	2.6
29-Dec-24	1:33:45 PM	50.05	251.1	248.1	218	51.9	66.5	95.4	11604	15314	20230	47137	0.89	0.928	0.972	1	0.8	6.7	5	2.7	2.7
29-Dec-24	1:33:46 PM	50.05	251	248.1	218	51.9	66.4	95.4	11603	15307	20208	47118	0.89	0.929	0.972	1	0.8	6.7	5.1	2.7	2.6
29-Dec-24	1:33:47 PM	50.05	251.1	248.1	218	51.9	66.4	94.7	11598	15304	20071	46972	0.89	0.929	0.972	1.1	0.9	6.7	5	2.7	2.7
29-Dec-24	1:33:48 PM	50.05	251	248.1	218	52	66.4	94.7	11602	15306	20068	46976	0.889	0.929	0.972	1.1	0.8	6.7	5.1	2.7	2.7
29-Dec-24	1:33:49 PM	50.05	251.1	248.1	218	51.9	66.5	95.3	11607	15316	20206	47129	0.89	0.929	0.972	1.1	0.8	6.7	5	2.7	2.7
29-Dec-24	1:33:50 PM	50.05	251	248.1	218	52	66.5	95.4	11616	15316	20208	47140	0.89	0.929	0.972	1	0.8	6.6	5.1	2.7	2.6
29-Dec-24	1:33:51 PM	50.05	251	248.1	218	51.9	66.4	95.3	11608	15309	20204	47120	0.89	0.929	0.972	1	0.8	6.6	5.2	2.7	2.7
29-Dec-24	1:33:52 PM	50.04	251	248	217.9	52	66.4	95.3	11612	15304	20188	47104	0.89	0.929	0.972	1	0.9	6.6	5.1	2.7	2.7
29-Dec-24	1:33:53 PM	50.04	251	248	218	52	66.4	94.5	11613	15305	20012	46930	0.89	0.929	0.972	1	0.8	6.5	5.3	2.7	2.6
29-Dec-24	1:33:54 PM	50.04	251	248	218	52	66.4	95.1	11610	15302	20139	47051	0.89	0.929	0.972	1	0.8	6.5	5.2	2.7	2.6
29-Dec-24	1:33:55 PM	50.04	251	248	217.9	52	66.4	95.4	11616	15305	20209	47131	0.89	0.929	0.972	1	0.8	6.5	5.2	2.7	2.6
29-Dec-24	1:33:56 PM	50.04	250.9	248	217.9	52	66.4	95.3	11616	15295	20191	47102	0.89	0.929	0.972	1	0.7	6.5	5.4	2.7	2.6
29-Dec-24	1:33:57 PM	50.04	251.1	248	217.9	52	66.4	95.3	11629	15289	20192	47110	0.89	0.928	0.972	1	0.9	6.5	5.3	2.6	2.6
29-Dec-24	1:33:58 PM	50.04	251.2	248	217.9	52.1	66.4	95	11630	15280	20129	47039	0.889	0.929	0.972	1	0.8	6.5	5.3	2.7	2.7
29-Dec-24	1:33:59 PM	50.03	251.2	248	218	52	66.4	94.4	11626	15279	20003	46909	0.889	0.928	0.972	1	0.8	6.6	5.2	2.6	2.6
29-Dec-24	1:34:00 PM	50.03	251.3	248	217.9	52.1	66.3	95.3	11634	15282	20189	47104	0.889	0.929	0.972	1	0.8	6.5	5.3	2.7	2.7
29-Dec-24	1:34:01 PM	50.03	251.2	248.1	217.8	52.1	66.4	95.3	11635	15279	20190	47104	0.889	0.928	0.972	1	0.8	6.7	5.3	2.6	2.7
29-Dec-24	1:34:02 PM	50.03	251.2	248.1	217.8	52.1	66.4	95.4	11645	15288	20194	47128	0.89	0.928	0.972	1	0.9	6.6	5.2	2.7	2.6
29-Dec-24	1:34:03 PM	50.03	251.2	248	217.8	52.1	66.4	95.3	11631	15282	20186	47100	0.889	0.928	0.972	1	0.9	6.6	5.3	2.7	2.7
29-Dec-24	1:34:04 PM	50.03	251.3	248.1	217.9	52	66.4	94.8	11633	15289	20067	46989	0.89	0.928	0.972	1	0.9	6.7	5.3	2.7	2.6

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:34:05 PM	50.03	251.3	248.1	217.9	52.1	66.4	94.4	11634	15283	20000	46917	0.889	0.928	0.972	1	0.9	6.6	5.3	2.6	2.7
29-Dec-24	1:34:06 PM	50.03	251.2	248.1	217.8	52	66.4	95.4	11633	15282	20199	47114	0.89	0.928	0.972	1	0.9	6.7	5.3	2.7	2.6
29-Dec-24	1:34:07 PM	50.03	251.3	248.1	217.8	52.1	66.4	95.3	11632	15280	20180	47092	0.889	0.928	0.972	1.1	0.9	6.6	5.3	2.7	2.6
29-Dec-24	1:34:08 PM	50.03	251.3	248.1	217.8	52	66.4	95.3	11631	15283	20183	47097	0.889	0.928	0.972	1	0.9	6.6	5.3	2.7	2.6
29-Dec-24	1:34:09 PM	50.03	251.2	248.1	217.8	52	66.4	95.3	11629	15284	20181	47095	0.889	0.928	0.972	1	0.9	6.7	5.2	2.7	2.6
29-Dec-24	1:34:10 PM	50.03	251.2	248.1	217.8	52	66.4	94.7	11627	15279	20039	46945	0.89	0.928	0.972	1	0.8	6.7	5.4	2.7	2.5
29-Dec-24	1:34:11 PM	50.02	251.2	248	217.7	52.1	66.3	94.7	11636	15270	20046	46952	0.89	0.928	0.972	1.1	0.8	6.6	5.3	2.7	2.6
29-Dec-24	1:34:12 PM	50.02	251.2	248	217.7	52	66.3	95.2	11627	15270	20157	47053	0.89	0.928	0.972	1	0.8	6.6	5.4	2.7	2.6
29-Dec-24	1:34:13 PM	50.02	251	248.1	217.7	54.7	66.4	95.3	12347	15283	20176	47805	0.899	0.928	0.972	1	0.8	6.7	5.3	2.7	2.7
29-Dec-24	1:34:14 PM	50.02	250.8	248.1	217.8	57.4	66.4	95.3	13111	15292	20181	48583	0.91	0.928	0.973	1	0.8	6.5	4.8	2.7	2.6
29-Dec-24	1:34:15 PM	50.02	250.8	248.1	217.7	57.5	66.4	95.2	13115	15289	20160	48564	0.91	0.929	0.972	1	0.8	6.6	4.7	2.7	2.6
29-Dec-24	1:34:16 PM	50.02	250.8	248.1	217.8	57.4	66.4	94.4	13110	15290	19995	48396	0.91	0.928	0.972	1	0.9	6.6	4.8	2.7	2.6
29-Dec-24	1:34:17 PM	50.02	250.8	248.1	217.8	57.4	66.4	95.1	13103	15289	20129	48521	0.91	0.929	0.972	1	0.8	6.5	4.8	2.7	2.6
29-Dec-24	1:34:18 PM	50.02	250.8	248.1	217.8	57.4	66	95.3	13099	15204	20192	48496	0.91	0.928	0.972	1	0.8	6.5	4.9	2.7	2.5
29-Dec-24	1:34:19 PM	50.02	250.8	248.1	217.8	57.4	65.7	95.4	13101	15118	20196	48416	0.91	0.927	0.973	1	0.8	6.5	4.8	2.7	2.6
29-Dec-24	1:34:20 PM	50.02	250.8	248.1	217.7	57.4	65.7	95.3	13093	15116	20179	48388	0.91	0.927	0.972	1	0.8	6.5	4.7	2.7	2.6
29-Dec-24	1:34:21 PM	50.02	250.8	248.1	217.7	57.4	65.7	94.9	13093	15112	20088	48293	0.91	0.927	0.972	1	0.8	6.5	4.7	2.8	2.6
29-Dec-24	1:34:22 PM	50.02	250.8	248.1	217.8	57.4	65.7	94.4	13094	15110	19990	48194	0.91	0.927	0.972	1	0.9	6.5	4.8	2.7	2.6
29-Dec-24	1:34:23 PM	50.02	250.8	248.1	217.7	57.4	65.7	95.4	13101	15113	20209	48424	0.91	0.927	0.973	1	0.8	6.5	4.8	2.7	2.6
29-Dec-24	1:34:24 PM	50.02	250.8	248.1	217.7	57.4	65.7	95.3	13104	15110	20177	48391	0.91	0.927	0.973	1	0.9	6.5	4.8	2.7	2.7
29-Dec-24	1:34:25 PM	50.02	250.9	248.1	217.6	57.5	65.8	98.3	13120	15121	20809	49050	0.91	0.927	0.973	1	0.9	6.5	4.8	2.7	2.7
29-Dec-24	1:34:26 PM	50.02	251	248.2	217.3	57.5	65.8	103.7	13136	15143	22013	50292	0.91	0.927	0.977	1	0.7	6.6	4.9	2.7	2.4
29-Dec-24	1:34:27 PM	50.03	250.9	248.2	217.3	57.5	65.8	102.9	13130	15141	21827	50098	0.91	0.927	0.976	1	0.8	6.6	4.9	2.7	2.4
29-Dec-24	1:34:28 PM	50.03	250.9	248.2	217.3	57.5	65.8	103.4	13129	15145	21937	50211	0.91	0.927	0.977	1	0.8	6.6	4.8	2.7	2.5
29-Dec-24	1:34:29 PM	50.03	250.9	248.2	217.2	57.5	65.8	103.7	13137	15145	22006	50288	0.91	0.927	0.977	1	0.9	6.5	4.8	2.7	2.4
29-Dec-24	1:34:30 PM	50.03	251	248.2	217.3	57.5	65.8	103.3	13139	15142	21924	50205	0.91	0.927	0.977	1	0.9	6.6	4.9	2.7	2.5
29-Dec-24	1:34:31 PM	50.03	251	248.3	217.3	57.5	65.8	103.3	13135	15148	21929	50212	0.91	0.927	0.977	1	0.9	6.6	4.9	2.7	2.5
29-Dec-24	1:34:32 PM	50.03	251	248.2	217.3	57.5	65.8	102.9	13129	15152	21839	50120	0.91	0.927	0.977	1	0.9	6.6	4.7	2.7	2.5
29-Dec-24	1:34:33 PM	50.03	250.9	248.2	217.3	57.5	65.8	102.3	13127	15155	21724	50006	0.91	0.927	0.977	1	0.9	6.6	4.8	2.7	2.4
29-Dec-24	1:34:34 PM	50.03	250.9	248.2	217.2	57.5	65.8	103.3	13128	15156	21918	50202	0.91	0.927	0.977	1	0.9	6.6	5	2.7	2.5
29-Dec-24	1:34:35 PM	50.03	250.9	248.2	217.3	57.5	65.9	103.2	13131	15158	21904	50192	0.91	0.927	0.977	1	0.9	6.6	4.8	2.7	2.5
29-Dec-24	1:34:36 PM	50.03	250.9	248.3	217.3	57.5	65.9	103.2	13134	15162	21913	50208	0.91	0.927	0.977	1	0.8	6.6	5	2.7	2.5
29-Dec-24	1:34:37 PM	50.04	250.9	248.3	217.2	57.5	65.9	103.2	13127	15157	21904	50188	0.91	0.927	0.977	1	0.9	6.6	4.9	2.7	2.4
29-Dec-24	1:34:38 PM	50.04	250.9	248.2	217.3	57.5	65.8	102.4	13126	15152	21742	50021	0.91	0.927	0.977	1	0.9	6.6	4.8	2.7	2.6
29-Dec-24	1:34:39 PM	50.04	250.9	248.2	217.3	57.5	65.9	102.7	13144	15161	21796	50100	0.91	0.927	0.977	1	0.9	6.6	4.9	2.7	2.5
29-Dec-24	1:34:40 PM	50.04	250.9	248.2	217.2	57.5	65.8	103.2	13146	15152	21910	50208	0.911	0.927	0.977	1	0.8	6.6	4.9	2.7	2.4
29-Dec-24	1:34:41 PM	50.04	250.9	248.2	217.2	57.6	65.8	103.2	13150	15153	21908	50211	0.911	0.927	0.977	1	0.8	6.6	4.8	2.7	2.5
29-Dec-24	1:34:42 PM	50.04	250.9	248.2	217.2	57.6	65.8	103.2	13167	15159	21909	50235	0.91	0.927	0.977	1	0.8	6.6	5.1	2.7	2.4
29-Dec-24	1:34:43 PM	50.04	250.9	248.2	217.2	57.6	65.8	103.2	13160	15155	21890	50206	0.911	0.927	0.977	1	0.9	6.6	5	2.7	2.5
29-Dec-24	1:34:44 PM	50.04	250.9	248.2	217.2	57.6	65.8	102.3	13148	15148	21708	50004	0.911	0.927	0.977	1	0.9	6.6	4.9	2.8	2.5
29-Dec-24	1:34:45 PM	50.04	250.9	248.2	217.2	57.6	65.9	103.1	13150	15159	21873	50181	0.911	0.927	0.977	1	0.8	6.6	5	2.7	2.5
29-Dec-24	1:34:46 PM	50.05	250.9	248.2	217.2	57.6	65.9	103.2	13148	15159	21900	50208	0.911	0.927	0.977	1	0.7	6.6	4.9	2.7	2.5

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:34:47 PM	50.05	250.9	248.3	217.2	57.6	65.8	103.2	13152	15160	21908	50220	0.91	0.927	0.977	1	0.8	6.6	4.9	2.7	2.4
29-Dec-24	1:34:48 PM	50.05	251	248.2	217.1	57.6	65.8	103.2	13155	15148	21902	50205	0.911	0.927	0.977	1	0.7	6.6	4.9	2.7	2.5
29-Dec-24	1:34:49 PM	50.05	251	248.2	217.2	57.6	65.8	102.6	13161	15149	21770	50081	0.91	0.927	0.977	1	0.8	6.6	4.9	2.7	2.5
29-Dec-24	1:34:50 PM	50.05	251	248.2	217.1	57.6	65.8	102.5	13160	15144	21744	50048	0.911	0.927	0.977	1	0.9	6.6	4.8	2.7	2.5
29-Dec-24	1:34:51 PM	50.05	251	248.2	217.1	57.6	65.8	103.3	13165	15150	21908	50223	0.91	0.927	0.977	1	0.8	6.6	4.8	2.7	2.4
29-Dec-24	1:34:52 PM	50.05	250.9	248.2	217	57.6	65.8	103.2	13161	15146	21896	50203	0.91	0.927	0.977	1	0.8	6.6	4.9	2.7	2.4
29-Dec-24	1:34:53 PM	50.05	251	248.2	217	57.6	65.8	103.2	13167	15150	21890	50207	0.91	0.927	0.977	1	0.8	6.6	4.9	2.7	2.4
29-Dec-24	1:34:54 PM	50.05	251	248.1	216.9	57.6	65.8	103.2	13165	15144	21886	50196	0.91	0.927	0.977	1	0.8	6.6	4.8	2.7	2.4
29-Dec-24	1:34:55 PM	50.05	251	248.2	217.1	57.6	65.8	102.4	13158	15144	21713	50015	0.91	0.927	0.977	1	0.9	6.6	4.8	2.7	2.5
29-Dec-24	1:34:56 PM	50.05	250.9	248.2	217	57.6	65.8	102.8	13155	15149	21793	50098	0.91	0.927	0.977	1	0.8	6.7	4.8	2.7	2.5
29-Dec-24	1:34:57 PM	50.04	250.9	248.2	216.9	57.6	65.8	103.2	13144	15148	21871	50163	0.91	0.927	0.977	1	0.9	6.7	4.8	2.7	2.5
29-Dec-24	1:34:58 PM	50.05	250.9	248.2	217	57.6	65.8	103.2	13147	15156	21882	50185	0.91	0.927	0.977	1	0.9	6.7	4.8	2.7	2.5
29-Dec-24	1:34:59 PM	50.05	250.9	248.2	217	57.6	65.9	103.3	13150	15164	21889	50202	0.91	0.927	0.977	1	0.7	6.7	4.8	2.6	2.4
29-Dec-24	1:35:00 PM	50.05	250.9	248.2	217	57.5	65.8	103	13142	15155	21840	50137	0.911	0.928	0.977	1	0.8	6.7	4.8	2.7	2.5
29-Dec-24	1:35:01 PM	50.05	250.8	248.2	217	57.5	65.8	102.3	13131	15151	21687	49969	0.91	0.927	0.977	1	0.7	6.7	4.8	2.7	2.4
29-Dec-24	1:35:02 PM	50.05	250.8	248.2	216.9	57.5	65.8	103.1	13138	15149	21844	50131	0.91	0.928	0.977	1	0.8	6.7	4.9	2.7	2.5
29-Dec-24	1:35:03 PM	50.05	250.8	248.1	216.8	57.5	65.8	103.2	13136	15156	21875	50166	0.911	0.928	0.977	1	0.8	6.7	4.9	2.6	2.4
29-Dec-24	1:35:04 PM	50.04	250.8	248.2	216.9	57.5	65.9	103.3	13135	15153	21882	50170	0.911	0.927	0.977	1	0.8	6.7	4.9	2.7	2.4
29-Dec-24	1:35:05 PM	50.04	250.8	248.2	216.9	57.5	65.9	103.3	13136	15161	21883	50180	0.91	0.928	0.977	1	0.8	6.7	4.8	2.7	2.4
29-Dec-24	1:35:06 PM	50.04	250.8	248.2	216.9	57.5	65.8	102.8	13139	15154	21787	50079	0.911	0.927	0.977	1	0.8	6.7	4.9	2.6	2.4
29-Dec-24	1:35:07 PM	50.04	250.9	248.2	216.9	57.5	65.8	102.5	13138	15151	21726	50015	0.91	0.928	0.977	1	0.7	6.7	4.9	2.6	2.5
29-Dec-24	1:35:08 PM	50.04	250.9	248.1	216.9	57.5	65.8	103.3	13138	15144	21882	50164	0.91	0.928	0.977	1	0.8	6.7	4.8	2.6	2.5
29-Dec-24	1:35:09 PM	50.04	250.9	248.1	216.9	57.5	65.8	103.2	13139	15150	21873	50162	0.91	0.927	0.977	1	0.7	6.7	4.9	2.7	2.5
29-Dec-24	1:35:10 PM	50.04	250.9	248.2	216.9	57.5	65.8	103.2	13141	15155	21882	50178	0.91	0.927	0.977	1	0.7	6.7	4.9	2.7	2.5
29-Dec-24	1:35:11 PM	50.04	250.9	248.2	216.9	58	65.8	103.2	13233	15150	21873	50256	0.909	0.927	0.977	1	0.7	6.7	4.7	2.7	2.5
29-Dec-24	1:35:12 PM	50.04	250.8	248.2	217	58	65.8	102.3	13234	15156	21682	50073	0.909	0.928	0.977	1	0.8	6.7	4.8	2.7	2.5
29-Dec-24	1:35:13 PM	50.04	250.8	248.2	217	57.9	65.9	102.9	13218	15159	21813	50191	0.909	0.927	0.977	1	0.8	6.7	4.7	2.7	2.4
29-Dec-24	1:35:14 PM	50.04	250.8	248.2	216.9	57.9	65.8	103.3	13208	15150	21887	50245	0.909	0.928	0.977	1	0.8	6.7	4.8	2.7	2.5
29-Dec-24	1:35:15 PM	50.04	250.8	248.2	216.9	57.9	65.8	103.2	13204	15157	21881	50241	0.909	0.927	0.977	1	0.8	6.7	4.8	2.7	2.5
29-Dec-24	1:35:16 PM	50.04	250.8	248.2	216.9	57.9	65.9	103.3	13207	15161	21887	50256	0.909	0.927	0.977	1	0.8	6.7	4.7	2.7	2.5
29-Dec-24	1:35:17 PM	50.04	250.8	248.1	216.9	57.9	65.9	103.2	13212	15158	21857	50227	0.91	0.928	0.977	1	0.7	6.7	4.8	2.7	2.6
29-Dec-24	1:35:18 PM	50.04	250.8	248.1	216.9	57.9	65.8	102.5	13207	15147	21709	50064	0.909	0.928	0.977	1	0.8	6.7	4.8	2.7	2.7
29-Dec-24	1:35:19 PM	50.04	250.8	248.1	216.8	58	65.8	103.3	13222	15152	21873	50247	0.91	0.927	0.977	1	0.8	6.9	4.8	2.7	2.6
29-Dec-24	1:35:20 PM	50.04	250.8	248.2	216.8	58	65.8	103.3	13225	15154	21888	50267	0.909	0.928	0.977	1	0.8	6.7	4.8	2.7	2.6
29-Dec-24	1:35:21 PM	50.04	250.8	248.1	216.8	58	65.8	103.3	13221	15153	21886	50260	0.91	0.927	0.977	1	0.8	6.7	4.8	2.7	2.5
29-Dec-24	1:35:22 PM	50.04	250.8	248.1	216.8	58	65.8	103.3	13225	15154	21887	50266	0.91	0.928	0.977	1	0.8	6.8	4.8	2.7	2.5
29-Dec-24	1:35:23 PM	50.04	250.8	248.2	216.8	58	65.9	102.6	13226	15159	21742	50127	0.91	0.927	0.977	1	0.8	6.8	4.8	2.7	2.6
29-Dec-24	1:35:24 PM	50.04	250.7	248.1	216.8	58	65.8	102.4	13216	15149	21693	50058	0.909	0.928	0.977	1	0.8	6.8	4.7	2.7	2.6
29-Dec-24	1:35:25 PM	50.04	250.7	248.1	216.7	57.9	65.9	102	13209	15154	21571	49935	0.91	0.927	0.976	1	0.8	6.9	4.7	2.7	2.5
29-Dec-24	1:35:26 PM	50.04	250.7	248.1	216.8	57.9	65.9	100.7	13208	15154	21282	49643	0.91	0.927	0.975	1	0.8	6.9	4.8	2.7	2.5
29-Dec-24	1:35:27 PM	50.04	250.6	248.1	216.8	57.9	65.9	101	13203	15152	21350	49705	0.91	0.927	0.975	1	0.8	6.8	4.8	2.7	2.9
29-Dec-24	1:35:28 PM	50.04	250.6	248.1	216.8	57.9	65.8	101	13193	15141	21358	49692	0.91	0.927	0.975	0.9	0.8	6.8	4.8	2.7	3

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:35:29 PM	50.04	250.6	248	216.8	57.9	65.8	100.2	13194	15144	21178	49517	0.91	0.928	0.975	1	0.8	6.8	4.7	2.7	2.9
29-Dec-24	1:35:30 PM	50.04	250.6	248	216.8	57.9	65.8	100.5	13187	15137	21236	49560	0.91	0.928	0.975	1	0.8	6.8	4.7	2.7	2.8
29-Dec-24	1:35:31 PM	50.04	250.7	248	216.8	57.8	65.8	101	13188	15133	21344	49666	0.91	0.927	0.975	0.9	0.8	6.7	4.8	2.7	2.8
29-Dec-24	1:35:32 PM	50.04	250.9	248.1	216.9	57.9	65.8	101	13198	15129	21356	49683	0.909	0.928	0.975	1	0.8	6.7	4.8	2.7	2.8
29-Dec-24	1:35:33 PM	50.04	250.9	248.1	216.9	57.8	65.8	101	13198	15134	21360	49691	0.909	0.927	0.975	1	0.8	6.8	4.7	2.7	2.8
29-Dec-24	1:35:34 PM	50.04	250.9	248.1	216.9	57.9	65.8	100.8	13203	15134	21322	49659	0.909	0.927	0.975	1	0.8	6.7	4.7	2.7	2.8
29-Dec-24	1:35:35 PM	50.04	250.9	248.1	217	57.9	65.8	100.1	13202	15139	21170	49511	0.909	0.927	0.975	1	0.8	6.7	4.7	2.7	2.8
29-Dec-24	1:35:36 PM	50.05	250.9	248.1	216.9	57.9	65.8	100.7	13204	15146	21306	49656	0.91	0.927	0.975	1	0.8	6.7	4.7	2.7	2.8
29-Dec-24	1:35:37 PM	50.05	250.9	248.1	217	57.9	65.8	101	13206	15148	21361	49714	0.909	0.928	0.975	1	0.8	6.8	5	2.7	2.8
29-Dec-24	1:35:38 PM	50.05	250.9	248.2	217	57.8	65.9	101	13195	15158	21360	49713	0.909	0.928	0.975	1	0.8	6.8	4.7	2.7	2.8
29-Dec-24	1:35:39 PM	50.05	250.9	248.1	216.9	57.9	65.8	101	13196	15148	21359	49703	0.909	0.928	0.975	1	0.8	6.8	4.7	2.6	2.7
29-Dec-24	1:35:40 PM	50.05	250.9	248.1	216.9	57.8	65.8	100.7	13198	15154	21301	49653	0.909	0.928	0.975	1	0.9	6.8	4.7	2.7	2.8
29-Dec-24	1:35:41 PM	50.05	250.9	248.1	217	57.9	65.8	100	13195	15150	21161	49506	0.909	0.928	0.975	1	0.8	6.7	4.7	2.7	2.8
29-Dec-24	1:35:42 PM	50.05	250.9	248.1	216.9	57.9	65.8	100.9	13200	15155	21351	49706	0.909	0.928	0.975	1	0.8	6.8	4.8	2.7	2.8
29-Dec-24	1:35:43 PM	50.05	250.8	248.1	216.9	57.8	65.8	101.1	13198	15152	21379	49729	0.91	0.928	0.975	1	0.9	6.8	4.7	2.7	2.9
29-Dec-24	1:35:44 PM	50.06	250.9	248.2	216.7	57.9	65.9	104.9	13215	15164	22113	50493	0.91	0.927	0.973	1	0.8	6.8	4.7	2.6	2.7
29-Dec-24	1:35:45 PM	50.06	250.8	248.2	216.9	57.9	65.8	101.8	13204	15159	21507	49870	0.91	0.928	0.974	1	0.8	6.8	4.8	2.7	2.7
29-Dec-24	1:35:46 PM	50.06	250.9	248.2	216.9	57.9	65.9	101.1	13205	15164	21366	49735	0.909	0.928	0.974	1	0.9	6.8	4.8	2.7	2.7
29-Dec-24	1:35:47 PM	50.06	250.8	248.1	216.9	57.8	65.8	100.9	13190	15155	21320	49666	0.909	0.928	0.974	1	0.9	6.7	4.8	2.7	2.7
29-Dec-24	1:35:48 PM	50.06	250.8	248.2	216.9	57.9	65.8	101.8	13199	15161	21495	49856	0.909	0.928	0.974	1	0.9	6.7	4.6	2.7	2.7
29-Dec-24	1:35:49 PM	50.06	250.8	248.2	216.8	57.9	65.9	101.7	13203	15160	21474	49837	0.91	0.928	0.974	1	0.8	6.7	4.8	2.7	2.7
29-Dec-24	1:35:50 PM	50.07	250.9	248.2	216.9	57.9	65.8	101.7	13206	15164	21471	49840	0.91	0.928	0.974	1	0.9	6.8	4.8	2.7	2.7
29-Dec-24	1:35:51 PM	50.07	250.9	248.2	216.9	57.9	65.9	101.6	13209	15169	21468	49846	0.91	0.927	0.974	1	0.8	6.7	4.8	2.7	2.7
29-Dec-24	1:35:52 PM	50.07	250.8	248.3	216.9	57.9	65.9	101.1	13208	15172	21342	49723	0.91	0.928	0.974	1	0.8	6.9	4.7	2.7	2.7
29-Dec-24	1:35:53 PM	50.07	250.8	248.2	216.9	57.9	65.9	101.1	13207	15168	21342	49718	0.91	0.928	0.974	1.1	0.8	6.7	4.7	2.7	2.7
29-Dec-24	1:35:54 PM	50.07	250.9	248.2	216.8	57.9	65.8	101.7	13215	15161	21472	49847	0.91	0.928	0.974	1.1	0.8	6.7	4.7	2.7	2.7
29-Dec-24	1:35:55 PM	50.07	250.9	248.2	216.8	57.9	65.8	101.7	13209	15155	21476	49840	0.909	0.928	0.974	1	0.9	6.7	4.7	2.7	2.7
29-Dec-24	1:35:56 PM	50.07	250.9	248.1	216.8	57.9	65.8	101.7	13208	15157	21475	49840	0.91	0.928	0.974	1	0.8	6.9	4.7	2.7	2.7
29-Dec-24	1:35:57 PM	50.08	250.8	248.1	216.8	57.9	65.8	101.7	13207	15148	21480	49835	0.91	0.928	0.974	1	0.8	6.7	4.7	2.7	2.7
29-Dec-24	1:35:58 PM	50.07	250.8	248.1	216.8	57.9	65.8	101	13201	15152	21318	49671	0.91	0.928	0.974	1	0.8	6.7	4.7	2.7	2.7
29-Dec-24	1:35:59 PM	50.07	250.8	248.1	216.8	57.8	65.8	101.1	13200	15151	21357	49708	0.91	0.928	0.974	1	0.8	6.7	4.7	2.7	2.8
29-Dec-24	1:36:00 PM	50.07	250.8	248.1	216.8	57.9	65.8	101.7	13203	15158	21480	49841	0.91	0.928	0.974	1	0.8	6.7	4.7	2.7	2.7
29-Dec-24	1:36:01 PM	50.07	250.8	248.1	216.8	57.9	65.8	101.7	13204	15156	21477	49837	0.91	0.928	0.974	1	0.8	6.7	4.8	2.7	2.7
29-Dec-24	1:36:02 PM	50.07	250.8	248	216.7	57.9	65.8	101.7	13213	15154	21474	49841	0.91	0.928	0.974	1	0.7	6.7	4.8	2.7	2.7
29-Dec-24	1:36:03 PM	50.07	250.7	248.1	216.7	57.8	65.8	101.6	13195	15147	21438	49780	0.91	0.928	0.974	1	0.7	6.7	4.8	2.7	2.7
29-Dec-24	1:36:04 PM	50.07	250.7	248	216.8	57.8	65.8	100.8	13186	15140	21269	49594	0.91	0.928	0.974	1	0.8	6.7	4.8	2.6	2.8
29-Dec-24	1:36:05 PM	50.07	250.7	248	216.7	57.8	65.8	101.5	13186	15144	21424	49754	0.91	0.928	0.974	1	0.7	6.7	4.8	2.7	2.6
29-Dec-24	1:36:06 PM	50.07	250.7	248	216.7	57.8	65.8	101.7	13193	15150	21465	49808	0.91	0.928	0.974	1	0.8	6.7	4.8	2.6	2.7
29-Dec-24	1:36:07 PM	50.07	250.5	247.9	217.2	57.7	65.8	91.2	13149	15133	19153	47434	0.909	0.928	0.966	1	0.7	6.7	4.9	2.7	3
29-Dec-24	1:36:08 PM	50.07	250.5	247.9	217.3	57.7	65.7	90.1	13142	15129	18920	47190	0.909	0.929	0.966	1	0.8	6.7	4.9	2.7	3.1
29-Dec-24	1:36:09 PM	50.07	250.4	247.8	217.2	57.7	65.7	89.7	13138	15121	18828	47086	0.91	0.928	0.966	1	0.8	6.7	4.8	2.7	3.2
29-Dec-24	1:36:10 PM	50.07	250.4	247.8	217.2	57.7	65.7	89.2	13137	15129	18721	46987	0.909	0.929	0.966	1	0.7	6.7	4.8	2.7	3

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:36:11 PM	50.07	250.4	247.8	217.1	57.5	65.7	90.2	13095	15128	18926	47148	0.91	0.929	0.966	1	0.7	6.7	4.7	2.7	3
29-Dec-24	1:36:12 PM	50.07	250.4	247.8	217.1	57.2	65.7	90.1	13042	15125	18906	47074	0.911	0.929	0.966	1	0.7	6.8	4.8	2.7	2.9
29-Dec-24	1:36:13 PM	50.07	250.3	247.8	217	57.2	65.8	90.1	13037	15130	18901	47068	0.911	0.929	0.966	1	0.7	6.7	4.9	2.7	3
29-Dec-24	1:36:14 PM	50.07	250.3	247.8	217	57.2	65.7	90.1	13044	15128	18896	47067	0.911	0.929	0.966	1	0.7	6.7	4.9	2.7	2.9
29-Dec-24	1:36:15 PM	50.07	250.3	247.8	217.1	57.2	65.8	89.5	13040	15131	18771	46941	0.911	0.929	0.966	1	0.7	6.7	4.9	2.7	3.1
29-Dec-24	1:36:16 PM	50.07	250.3	247.8	217.1	57.2	65.7	89.5	13038	15120	18776	46934	0.91	0.929	0.966	1	0.7	6.7	4.9	2.7	3.1
29-Dec-24	1:36:17 PM	50.07	250.3	247.8	217	57.2	65.7	90.1	13035	15125	18900	47060	0.911	0.929	0.966	1	0.7	6.8	4.9	2.7	3.1
29-Dec-24	1:36:18 PM	50.07	250.3	247.8	217	57.2	65.8	90.1	13029	15136	18896	47060	0.911	0.929	0.966	1	0.7	6.8	4.9	2.7	2.9
29-Dec-24	1:36:19 PM	50.07	250.3	247.8	217	57.2	65.7	90.1	13032	15129	18894	47055	0.911	0.929	0.966	1	0.8	6.7	4.8	2.7	3
29-Dec-24	1:36:20 PM	50.07	250.3	247.8	217	57.2	65.8	89.9	13032	15132	18853	47018	0.911	0.929	0.966	1	0.7	6.7	4.8	2.6	3
29-Dec-24	1:36:21 PM	50.07	250.2	247.8	217	57.1	65.7	89.2	13023	15128	18692	46843	0.911	0.929	0.966	1	0.7	6.7	4.8	2.6	3
29-Dec-24	1:36:22 PM	50.07	250.3	247.8	217	57.1	65.8	89.9	13027	15134	18844	47005	0.911	0.929	0.966	1	0.7	6.7	4.9	2.7	3.2
29-Dec-24	1:36:23 PM	50.07	250.3	247.8	217	57.1	65.8	90.1	13027	15138	18891	47056	0.911	0.929	0.966	1	0.7	6.7	4.9	2.7	3
29-Dec-24	1:36:24 PM	50.07	250.2	247.8	216.9	57.1	65.8	90.1	13024	15136	18880	47041	0.911	0.929	0.966	1	0.7	6.7	4.7	2.6	3
29-Dec-24	1:36:25 PM	50.06	250.2	247.8	216.9	57.2	65.8	90	13025	15135	18869	47028	0.911	0.929	0.966	1	0.7	6.7	4.9	2.7	3
29-Dec-24	1:36:26 PM	50.06	250.2	247.8	216.9	57.1	65.8	89.7	13027	15134	18809	46970	0.911	0.929	0.966	1	0.7	6.7	4.8	2.7	3
29-Dec-24	1:36:27 PM	50.06	250.2	247.8	217	57.1	65.7	89.1	13024	15127	18681	46832	0.911	0.929	0.966	1	0.7	6.8	4.8	2.6	3.1
29-Dec-24	1:36:28 PM	50.06	250.2	247.8	216.9	57.1	65.8	90	13026	15134	18875	47035	0.911	0.929	0.966	1	0.7	6.8	4.8	2.7	3.1
29-Dec-24	1:36:29 PM	50.06	250.2	247.8	217	57.1	65.8	90	13026	15131	18870	47027	0.911	0.928	0.966	1	0.7	6.9	4.9	2.7	3.1
29-Dec-24	1:36:30 PM	50.07	250.2	247.9	217	57.2	65.8	90	13032	15138	18884	47055	0.911	0.929	0.966	1	0.7	6.7	4.8	2.6	3.1
29-Dec-24	1:36:31 PM	50.06	250.2	247.9	217.1	57.2	65.8	90	13031	15142	18887	47060	0.911	0.928	0.966	1	0.7	6.7	4.8	2.7	3
29-Dec-24	1:36:32 PM	50.07	250.2	247.9	217.2	57.1	65.8	89.4	13020	15138	18757	46914	0.911	0.929	0.966	1	0.7	6.7	4.9	2.7	3.1
29-Dec-24	1:36:33 PM	50.07	250.2	247.9	217.2	57.1	65.8	89.2	13020	15146	18714	46880	0.911	0.928	0.966	1	0.7	6.7	4.8	2.6	3.1
29-Dec-24	1:36:34 PM	50.07	250.2	247.9	217.1	57.1	65.8	90.2	13027	15148	18929	47104	0.911	0.929	0.966	1	0.7	6.7	4.9	2.6	3
29-Dec-24	1:36:35 PM	50.07	250.3	247.9	217.2	57.1	65.8	90.1	13022	15153	18899	47073	0.911	0.929	0.966	1	0.7	6.7	4.9	2.6	3
29-Dec-24	1:36:36 PM	50.07	250.2	247.9	217.1	57.1	65.8	90.1	13029	15143	18895	47067	0.911	0.928	0.966	1	0.7	6.7	4.9	2.6	3
29-Dec-24	1:36:37 PM	50.07	250.2	247.9	217	57.1	65.8	90.1	13026	15149	18885	47061	0.911	0.929	0.966	1	0.7	6.8	4.9	2.7	3
29-Dec-24	1:36:38 PM	50.07	250.2	247.9	217	57.1	65.8	89.4	13026	15150	18744	46920	0.911	0.929	0.966	1	0.7	6.7	4.8	2.6	3.1
29-Dec-24	1:36:39 PM	50.07	250.2	247.8	217	57.1	65.8	89.5	13022	15145	18756	46922	0.911	0.929	0.966	1	0.8	6.8	4.9	2.7	3.1
29-Dec-24	1:36:40 PM	50.07	250.2	247.8	216.9	57.1	65.8	90	13022	15144	18875	47040	0.911	0.929	0.966	1	0.8	6.8	4.8	2.6	3
29-Dec-24	1:36:41 PM	50.07	250.2	247.8	216.9	57.1	65.8	90.1	13027	15144	18876	47047	0.911	0.929	0.966	1	0.7	6.8	4.7	2.6	3.1
29-Dec-24	1:36:42 PM	50.07	250.2	247.9	216.9	57.1	65.9	90	13028	15162	18875	47065	0.911	0.929	0.966	1	0.8	6.8	4.8	2.7	3
29-Dec-24	1:36:43 PM	50.07	250.2	247.8	216.9	57.2	65.8	90	13030	15143	18864	47037	0.911	0.929	0.966	1	0.8	6.8	4.8	2.6	3
29-Dec-24	1:36:44 PM	50.07	250.2	247.8	216.9	57.1	65.8	89.1	13028	15142	18674	46844	0.911	0.929	0.966	1	0.7	6.9	4.8	2.7	3
29-Dec-24	1:36:45 PM	50.07	250.2	247.8	216.8	57.2	65.8	89.6	13027	15140	18768	46935	0.911	0.929	0.966	1	0.7	6.9	4.8	2.7	3
29-Dec-24	1:36:46 PM	50.07	250.2	247.9	216.8	57.1	65.8	90	13030	15137	18857	47025	0.911	0.928	0.966	1	0.7	6.9	4.9	2.7	3
29-Dec-24	1:36:47 PM	50.07	250.2	247.8	216.8	57.2	65.8	90	13031	15139	18844	47014	0.911	0.929	0.966	1	0.7	6.9	4.8	2.6	2.9
29-Dec-24	1:36:48 PM	50.07	250.1	247.8	216.7	57.1	65.8	89.9	13023	15144	18833	47000	0.912	0.929	0.966	1	0.8	6.9	4.8	2.7	2.9
29-Dec-24	1:36:49 PM	50.07	250.2	247.9	216.8	57.1	65.8	89.8	13020	15144	18814	46979	0.912	0.929	0.966	1	0.8	6.9	4.8	2.6	2.9
29-Dec-24	1:36:50 PM	50.07	250.2	247.8	216.9	57.1	65.8	88.9	13020	15139	18622	46781	0.911	0.929	0.966	1	0.8	6.9	4.9	2.7	3
29-Dec-24	1:36:51 PM	50.07	250.2	247.8	216.8	57.1	65.8	89.6	13019	15139	18758	46916	0.912	0.929	0.966	1	0.8	6.9	4.8	2.7	3
29-Dec-24	1:36:52 PM	50.07	250.2	247.8	216.8	57.1	65.8	89.8	13025	15140	18817	46982	0.911	0.928	0.966	1	0.8	6.9	4.8	2.7	2.9

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:36:53 PM	50.07	250.2	247.8	216.8	57.7	65.8	89.8	13173	15141	18817	47132	0.912	0.929	0.966	1	0.8	6.9	4.8	2.7	2.9
29-Dec-24	1:36:54 PM	50.07	250.1	247.9	216.8	60.8	65.8	89.9	13955	15154	18831	47941	0.917	0.929	0.966	1	0.8	6.9	3.9	2.7	3
29-Dec-24	1:36:55 PM	50.08	250.2	247.8	216.8	58.7	65.8	89.5	13332	15141	18751	47224	0.908	0.929	0.966	0.9	0.8	6.9	4.6	2.7	2.9
29-Dec-24	1:36:56 PM	50.07	250.1	247.8	216.8	58.6	65.8	88.9	13302	15148	18622	47073	0.908	0.929	0.966	1	0.8	6.9	4.6	2.6	2.9
29-Dec-24	1:36:57 PM	50.08	250.1	247.8	216.7	58.6	65.8	89.7	13308	15145	18781	47234	0.908	0.929	0.966	1	0.8	7	4.6	2.6	2.9
29-Dec-24	1:36:58 PM	50.07	250.2	247.8	216.7	58.6	65.8	89.8	13320	15143	18809	47272	0.908	0.928	0.966	1	0.8	7	4.7	2.7	2.9
29-Dec-24	1:36:59 PM	50.07	250.3	247.9	216.7	58.7	65.8	89.9	13337	15134	18822	47292	0.908	0.928	0.966	1	0.9	7	4.7	2.7	2.9
29-Dec-24	1:37:00 PM	50.07	250.3	247.9	216.7	58.7	65.8	89.9	13333	15134	18827	47295	0.908	0.928	0.966	1	0.8	7	4.7	2.6	2.9
29-Dec-24	1:37:01 PM	50.08	250.3	247.9	216.7	58.7	65.7	89.5	13331	15130	18739	47200	0.907	0.928	0.966	1	0.9	7	4.7	2.6	2.9
29-Dec-24	1:37:02 PM	50.08	250.3	247.8	216.7	58.7	65.8	89	13330	15132	18624	47085	0.908	0.928	0.966	1	0.8	7	4.7	2.7	3
29-Dec-24	1:37:03 PM	50.08	250.3	247.9	216.7	58.7	65.7	90	13336	15131	18832	47299	0.907	0.929	0.966	1	0.8	7	4.7	2.7	2.9
29-Dec-24	1:37:04 PM	50.08	250.3	247.9	216.6	58.7	65.8	89.8	13336	15134	18806	47275	0.908	0.929	0.966	1	0.8	7	4.7	2.6	2.9
29-Dec-24	1:37:05 PM	50.08	250.4	247.9	216.7	58.7	65.8	89.9	13323	15141	18817	47280	0.907	0.929	0.966	1	0.8	7	4.6	2.7	2.9
29-Dec-24	1:37:06 PM	50.08	250.4	247.9	216.7	58.7	65.8	89.9	13334	15139	18822	47294	0.908	0.928	0.966	1	0.8	7	4.8	2.7	3
29-Dec-24	1:37:07 PM	50.08	250.3	247.9	216.7	58.7	65.8	89.3	13332	15139	18693	47164	0.907	0.929	0.966	1	0.8	7	4.6	2.7	3
29-Dec-24	1:37:08 PM	50.08	250.4	247.9	216.7	58.7	65.8	89	13335	15146	18619	47100	0.908	0.928	0.966	1	0.8	7.1	4.7	2.7	3
29-Dec-24	1:37:09 PM	50.08	250.4	247.9	216.6	58.7	65.8	90	13342	15145	18828	47315	0.907	0.929	0.966	1	0.8	7.1	4.7	2.7	2.8
29-Dec-24	1:37:10 PM	50.08	250.3	247.9	216.6	58.7	65.8	89.9	13339	15145	18814	47298	0.908	0.928	0.966	1	0.8	7.1	4.6	2.7	3
29-Dec-24	1:37:11 PM	50.08	250.4	247.9	216.6	58.7	65.8	89.9	13340	15144	18814	47298	0.907	0.929	0.966	1	0.8	7.1	4.6	2.6	2.9
29-Dec-24	1:37:12 PM	50.08	250.4	247.9	216.6	58.7	65.8	89.9	13340	15136	18813	47289	0.907	0.928	0.966	1	0.8	7.1	4.6	2.7	3
29-Dec-24	1:37:13 PM	50.08	250.5	247.9	216.6	58.8	65.8	89.5	13349	15139	18713	47201	0.907	0.929	0.966	1	0.8	7.1	4.7	2.7	3
29-Dec-24	1:37:14 PM	50.08	250.4	247.9	216.6	58.7	65.7	89	13341	15133	18622	47095	0.907	0.928	0.966	1	0.8	7.1	4.6	2.7	3
29-Dec-24	1:37:15 PM	50.08	250.4	247.9	216.5	58.7	65.8	89.9	13346	15136	18807	47289	0.907	0.928	0.966	1	0.8	7.1	4.6	2.7	3
29-Dec-24	1:37:16 PM	50.08	250.4	247.9	216.5	58.7	65.8	89.9	13345	15142	18801	47288	0.908	0.928	0.966	1	0.8	7.1	4.6	2.7	3
29-Dec-24	1:37:17 PM	50.08	250.4	247.9	216.5	58.7	65.8	89.9	13340	15134	18797	47271	0.907	0.928	0.966	1	0.8	7.1	4.6	2.7	2.9
29-Dec-24	1:37:18 PM	50.08	250.4	247.9	216.4	58.7	65.8	89.9	13342	15135	18792	47269	0.907	0.928	0.966	1	0.8	7.1	4.7	2.6	2.9
29-Dec-24	1:37:19 PM	50.08	250.4	247.9	216.4	58.7	65.8	89.4	13342	15137	18679	47158	0.907	0.929	0.966	1	0.8	7.1	4.8	2.7	3
29-Dec-24	1:37:20 PM	50.08	250.4	247.9	216.5	58.7	65.8	89	13342	15135	18612	47090	0.907	0.928	0.966	1	0.8	7.1	4.6	2.7	3
29-Dec-24	1:37:21 PM	50.08	250.5	247.9	216.4	58.7	65.7	90	13343	15132	18825	47300	0.907	0.928	0.966	1	0.8	7.1	4.6	2.7	2.9
29-Dec-24	1:37:22 PM	50.08	250.5	247.9	216.4	58.7	65.7	89.9	13339	15129	18797	47265	0.907	0.928	0.966	1	0.8	7.1	4.6	2.7	3
29-Dec-24	1:37:23 PM	50.08	250.4	247.9	216.3	58.7	65.7	89.9	13338	15125	18787	47250	0.907	0.928	0.966	1	0.8	7.2	4.7	2.7	2.9
29-Dec-24	1:37:24 PM	50.08	250.4	247.9	216.3	58.7	65.8	89.9	13343	15134	18781	47259	0.907	0.928	0.966	1	0.8	7.2	4.8	2.7	3.1
29-Dec-24	1:37:25 PM	50.08	250.4	247.9	216.3	58.7	65.7	89.4	13338	15129	18675	47142	0.907	0.928	0.966	1	0.8	7.1	4.7	2.6	3
29-Dec-24	1:37:26 PM	50.08	250.4	247.9	216.3	58.7	65.7	89.1	13338	15129	18603	47070	0.907	0.929	0.966	1	0.8	7.2	4.7	2.6	3
29-Dec-24	1:37:27 PM	50.08	250.4	247.9	216.3	58.8	65.7	90.1	13349	15132	18827	47307	0.907	0.929	0.966	1	0.8	7.2	4.7	2.7	2.9
29-Dec-24	1:37:28 PM	50.08	250.5	247.9	216.3	58.7	65.7	90	13345	15127	18804	47275	0.907	0.928	0.966	1	0.8	7.2	4.7	2.7	3
29-Dec-24	1:37:29 PM	50.08	250.5	247.9	216.3	58.7	65.7	90	13342	15127	18802	47270	0.907	0.929	0.966	1	0.8	7.1	4.7	2.7	3
29-Dec-24	1:37:30 PM	50.08	250.5	247.9	216.2	58.7	65.7	90	13342	15124	18791	47257	0.907	0.928	0.966	1	0.8	7.1	4.6	2.7	3
29-Dec-24	1:37:31 PM	50.08	250.5	247.9	216.2	58.7	65.7	89.4	13342	15125	18678	47144	0.907	0.928	0.966	1	0.8	7.1	4.7	2.7	3
29-Dec-24	1:37:32 PM	50.08	250.5	247.9	216.2	58.7	65.7	89.1	13342	15117	18600	47059	0.907	0.928	0.966	1	0.8	7.3	4.6	2.7	3
29-Dec-24	1:37:33 PM	50.08	250.5	247.9	216.2	58.7	65.7	90	13344	15124	18801	47269	0.907	0.928	0.966	1	0.8	7.1	4.7	2.7	2.8
29-Dec-24	1:37:34 PM	50.08	250.5	247.9	216.2	58.8	65.7	90	13347	15130	18802	47279	0.907	0.928	0.966	1	0.8	7.3	4.6	2.7	2.9

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:37:35 PM	50.08	250.5	247.9	216.1	58.7	65.7	90	13341	15125	18793	47259	0.907	0.928	0.966	1	0.7	7.1	4.6	2.6	2.9
29-Dec-24	1:37:36 PM	50.08	250.6	247.9	216.1	58.7	65.7	90	13346	15119	18800	47265	0.907	0.928	0.966	1	0.8	7.3	4.6	2.7	3
29-Dec-24	1:37:37 PM	50.08	250.5	247.9	216.1	58.7	65.7	89.6	13334	15117	18710	47161	0.907	0.929	0.966	1	0.8	7.3	4.5	2.7	3
29-Dec-24	1:37:38 PM	50.08	250.5	247.8	216.2	58.7	65.7	89.1	13331	15123	18605	47058	0.907	0.929	0.966	1	0.8	7.3	4.6	2.7	3
29-Dec-24	1:37:39 PM	50.08	250.5	247.8	216	58.7	65.7	90.1	13337	15121	18805	47263	0.907	0.929	0.966	1	0.7	7.3	4.6	2.7	3
29-Dec-24	1:37:40 PM	50.08	250.4	247.8	216	58.7	65.7	90	13336	15118	18788	47243	0.907	0.928	0.966	1	0.7	7.3	4.7	2.6	3
29-Dec-24	1:37:41 PM	50.08	250.4	247.8	216	58.7	65.7	90	13332	15123	18781	47236	0.907	0.929	0.966	1	0.8	7.3	4.6	2.6	3.1
29-Dec-24	1:37:42 PM	50.08	250.4	247.8	216	58.7	65.7	90	13333	15127	18778	47238	0.907	0.929	0.966	1	0.8	7.3	4.7	2.7	2.9
29-Dec-24	1:37:43 PM	50.08	250.4	247.9	216	58.7	65.7	89.5	13331	15123	18677	47131	0.906	0.929	0.966	1	0.7	7.4	4.6	2.7	2.9
29-Dec-24	1:37:44 PM	50.08	250.4	247.8	216	58.7	65.7	89.1	13330	15125	18580	47035	0.907	0.929	0.966	1	0.8	7.4	4.6	2.7	2.9
29-Dec-24	1:37:45 PM	50.08	250.4	247.8	215.9	58.7	65.7	89.8	13338	15120	18739	47197	0.907	0.929	0.966	1	0.7	7.4	4.6	2.7	2.9
29-Dec-24	1:37:46 PM	50.08	250.4	247.9	215.9	58.7	65.7	90	13336	15123	18781	47240	0.907	0.928	0.966	1	0.8	7.4	4.7	2.7	2.9
29-Dec-24	1:37:47 PM	50.08	250.4	247.9	215.9	58.7	65.7	90	13338	15126	18765	47229	0.907	0.929	0.966	1	0.8	7.4	4.6	2.7	2.9
29-Dec-24	1:37:48 PM	50.08	250.5	247.9	215.8	58.7	65.7	90	13326	15124	18758	47208	0.907	0.928	0.966	1	0.8	7.4	4.6	2.7	2.9
29-Dec-24	1:37:49 PM	50.08	250.4	247.9	215.8	58.7	65.7	89.8	13330	15129	18713	47173	0.907	0.929	0.966	1	0.8	7.4	4.7	2.7	2.9
29-Dec-24	1:37:50 PM	50.08	250.4	247.9	215.9	58.7	65.7	89.1	13332	15118	18564	47014	0.907	0.928	0.966	1	0.8	7.4	4.6	2.7	3
29-Dec-24	1:37:51 PM	50.08	250.5	247.9	215.9	58.7	65.7	89.7	13338	15123	18703	47163	0.907	0.928	0.966	1	0.9	7.4	4.6	2.7	3
29-Dec-24	1:37:52 PM	50.08	250.5	247.9	215.8	58.7	65.7	90	13337	15129	18754	47220	0.906	0.928	0.966	1	0.8	7.4	4.7	2.7	2.9
29-Dec-24	1:37:53 PM	50.08	250.5	247.9	215.8	58.7	65.7	90	13346	15129	18756	47230	0.907	0.928	0.966	1	0.9	7.4	4.6	2.7	2.9
29-Dec-24	1:37:54 PM	50.08	250.5	247.9	215.8	58.8	65.7	89.9	13354	15130	18745	47229	0.907	0.928	0.966	1	0.8	7.3	4.6	2.7	2.9
29-Dec-24	1:37:55 PM	50.08	250.5	248	215.8	58.8	65.7	89.9	13354	15132	18737	47223	0.907	0.928	0.966	1	0.9	7.5	4.7	2.8	2.9
29-Dec-24	1:37:56 PM	50.08	250.5	248	215.8	58.7	65.7	89.1	13346	15133	18559	47037	0.907	0.928	0.966	0.9	0.9	7.5	4.6	2.7	2.9
29-Dec-24	1:37:57 PM	50.09	250.5	248	215.7	58.7	65.7	89.6	13346	15133	18671	47150	0.907	0.928	0.966	1	0.9	7.5	4.6	2.7	2.9
29-Dec-24	1:37:58 PM	50.09	250.5	248	215.7	58.7	65.7	90	13344	15133	18746	47223	0.907	0.928	0.966	0.9	0.9	7.5	4.6	2.7	2.9
29-Dec-24	1:37:59 PM	50.09	250.5	247.9	215.6	58.7	65.8	90	13349	15134	18737	47219	0.907	0.928	0.966	0.9	0.9	7.5	4.6	2.7	2.8
29-Dec-24	1:38:00 PM	50.09	250.4	247.9	215.5	58.8	65.7	90	13349	15126	18729	47204	0.907	0.928	0.966	1	0.9	7.5	4.6	2.7	2.9
29-Dec-24	1:38:01 PM	50.09	250.4	247.9	215.5	58.7	65.7	90	13344	15127	18728	47199	0.907	0.928	0.966	1	0.9	7.5	4.6	2.7	2.9
29-Dec-24	1:38:02 PM	50.09	250.4	247.9	215.5	58.8	65.7	89.1	13343	15127	18542	47013	0.907	0.929	0.965	0.9	0.7	7.5	4.6	2.7	3
29-Dec-24	1:38:03 PM	50.09	250.4	247.9	215.5	58.7	65.7	89.5	13338	15122	18614	47074	0.907	0.928	0.966	1	0.9	7.5	4.6	2.6	3
29-Dec-24	1:38:04 PM	50.09	250.4	247.9	215.4	58.7	65.7	89.9	13347	15134	18698	47178	0.907	0.928	0.966	1	0.8	7.7	4.7	2.7	3
29-Dec-24	1:38:05 PM	50.09	250.4	247.9	215.3	58.7	65.7	90	13347	15125	18722	47194	0.907	0.928	0.966	1	0.9	7.6	4.6	2.7	2.9
29-Dec-24	1:38:06 PM	50.09	250.4	247.8	215.3	58.8	65.7	90.2	13353	15126	18771	47251	0.907	0.928	0.966	1	0.8	7.7	4.7	2.7	3
29-Dec-24	1:38:07 PM	50.09	250.5	247.9	215.2	58.7	65.7	90.3	13346	15122	18773	47241	0.907	0.928	0.966	1	0.7	7.7	4.7	2.7	3.1
29-Dec-24	1:38:08 PM	50.08	250.4	247.8	215.2	58.7	65.7	89.5	13334	15121	18605	47060	0.907	0.929	0.966	1	0.9	7.7	4.6	2.7	3.1
29-Dec-24	1:38:09 PM	50.08	250.4	247.8	215.1	58.7	65.7	89.7	13337	15114	18637	47088	0.907	0.929	0.966	1	0.8	7.7	4.7	2.7	3.1
29-Dec-24	1:38:10 PM	50.08	250.3	247.8	215	58.7	65.7	90.2	13335	15119	18744	47199	0.907	0.929	0.966	1	0.8	7.7	4.6	2.7	2.9
29-Dec-24	1:38:11 PM	50.08	250.3	247.8	215	58.7	65.7	90.2	13334	15119	18735	47188	0.907	0.929	0.966	1	0.8	7.7	4.5	2.7	2.9
29-Dec-24	1:38:12 PM	50.07	250.3	247.8	214.9	58.7	65.7	90.2	13332	15118	18732	47182	0.907	0.928	0.966	1	0.8	7.8	4.8	2.7	3
29-Dec-24	1:38:13 PM	50.07	250.3	247.8	214.9	58.7	65.7	90.2	13332	15122	18725	47178	0.907	0.928	0.966	1	0.8	7.8	4.7	2.7	3
29-Dec-24	1:38:14 PM	50.07	250.2	247.7	214.8	58.7	65.7	89.3	13324	15119	18530	46973	0.908	0.928	0.966	1	0.8	7.9	4.7	2.7	3.1
29-Dec-24	1:38:15 PM	50.07	250.2	247.8	214.7	58.7	65.7	89.8	13322	15114	18620	47056	0.908	0.928	0.966	1	0.8	7.9	4.7	2.7	3
29-Dec-24	1:38:16 PM	50.07	250.1	247.7	214.6	58.7	65.7	90.1	13321	15110	18692	47123	0.908	0.928	0.966	1	0.8	7.9	4.7	2.7	3

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:38:17 PM	50.06	250.2	247.8	214.6	58.7	65.7	90.1	13320	15115	18688	47123	0.908	0.928	0.966	1	0.8	7.9	4.6	2.7	3
29-Dec-24	1:38:18 PM	50.06	250.2	247.7	214.5	58.6	65.7	90.1	13318	15103	18681	47102	0.908	0.928	0.966	1	0.9	7.9	4.7	2.7	2.9
29-Dec-24	1:38:19 PM	50.06	250.2	247.7	214.5	58.6	65.7	89.9	13317	15107	18612	47036	0.907	0.928	0.966	1	0.9	8	4.7	2.7	3
29-Dec-24	1:38:20 PM	50.06	250.3	247.7	214.4	58.7	65.6	89.3	13321	15096	18477	46893	0.907	0.928	0.965	1	0.9	8	4.7	2.7	3
29-Dec-24	1:38:21 PM	50.06	250.3	247.8	214.4	58.7	65.7	90	13325	15106	18630	47061	0.907	0.928	0.966	1	0.9	8	4.6	2.7	3
29-Dec-24	1:38:22 PM	50.06	250.3	247.8	214.3	58.8	65.7	90.2	13349	15108	18671	47129	0.907	0.928	0.966	1	0.9	8.1	4.5	2.7	3
29-Dec-24	1:38:23 PM	50.06	250.1	247.8	214.2	61.8	65.8	90.2	14161	15125	18670	47955	0.915	0.928	0.966	1	0.9	8.1	4.7	2.7	3
29-Dec-24	1:38:24 PM	50.06	250.1	247.8	214.1	62.9	65.8	90.2	14445	15131	18655	48231	0.919	0.928	0.966	1	0.9	8.2	4.2	2.7	3
29-Dec-24	1:38:25 PM	50.06	250.1	247.8	214	62.9	65.8	90	14442	15126	18590	48157	0.918	0.928	0.966	1	0.8	8.3	4.3	2.7	3
29-Dec-24	1:38:26 PM	50.06	250.1	247.8	213.8	62.9	65.8	89.3	14446	15121	18435	48002	0.919	0.928	0.965	1	0.8	8.4	4.3	2.7	3
29-Dec-24	1:38:27 PM	50.05	250.1	247.8	213.6	62.9	65.7	90	14444	15114	18559	48117	0.919	0.928	0.966	1	0.8	8.6	4.3	2.7	3
29-Dec-24	1:38:28 PM	50.05	250.1	247.7	213.5	62.9	65.7	90.2	14440	15114	18595	48149	0.919	0.928	0.966	1	0.8	8.6	4.3	2.7	2.9
29-Dec-24	1:38:29 PM	50.05	250.1	247.8	213.5	62.8	65.7	90.2	14435	15121	18599	48156	0.919	0.928	0.966	1	0.8	8.6	4.2	2.7	2.9
29-Dec-24	1:38:30 PM	50.05	250.1	247.8	213.4	62.9	65.8	90.1	14440	15123	18570	48133	0.919	0.928	0.965	1	0.8	8.7	4.2	2.7	3
29-Dec-24	1:38:31 PM	50.05	250.1	247.8	213.2	62.8	65.7	90	14435	15119	18511	48065	0.919	0.928	0.965	1	0.8	8.8	4.2	2.7	2.9
29-Dec-24	1:38:32 PM	50.05	250.1	247.8	213.1	62.8	65.7	89.3	14430	15116	18357	47904	0.918	0.928	0.965	1	0.8	8.9	4.2	2.7	3
29-Dec-24	1:38:33 PM	50.05	250.2	247.9	213.1	62.8	65.8	90	14438	15125	18496	48059	0.918	0.928	0.965	1	0.8	8.9	4.2	2.7	2.9
29-Dec-24	1:38:34 PM	50.05	250.2	248	212.8	63	65.8	90.2	14458	15129	18516	48103	0.918	0.928	0.965	1	0.8	9.1	4.3	2.7	3
29-Dec-24	1:38:35 PM	50.05	250.1	247.9	212.6	63.2	65.8	90.3	14498	15128	18516	48143	0.918	0.928	0.965	1	0.8	9.2	4.1	2.7	3
29-Dec-24	1:38:36 PM	50.05	250.1	247.9	212.5	63.4	65.8	90.4	14538	15130	18536	48204	0.917	0.928	0.965	1	0.8	9.4	4.1	2.7	3
29-Dec-24	1:38:37 PM	50.05	250.2	248	212.3	63.3	65.8	90.1	14516	15130	18449	48095	0.917	0.928	0.964	1	0.8	9.5	4.2	2.7	3.1
29-Dec-24	1:38:38 PM	50.05	250.1	247.9	212.1	63.2	65.7	89.4	14501	15124	18283	47907	0.917	0.928	0.964	1	0.8	9.8	4.2	2.7	3
29-Dec-24	1:38:39 PM	50.05	250.1	247.9	214	63.3	65.8	90.2	14504	15135	18633	48272	0.917	0.928	0.965	1	0.8	7.8	4.2	2.7	3
29-Dec-24	1:38:40 PM	50.05	250.1	247.9	212.9	63.3	65.8	90.3	14505	15134	18531	48170	0.917	0.928	0.964	1	0.8	9.4	4.2	2.7	3
29-Dec-24	1:38:41 PM	50.05	250.1	247.9	212.8	63.2	65.8	90.3	14502	15134	18521	48156	0.917	0.928	0.964	1	0.8	9.4	4.2	2.7	3
29-Dec-24	1:38:42 PM	50.05	250.1	247.9	212.5	63.2	65.8	90.3	14504	15148	18501	48154	0.917	0.928	0.964	1	0.8	9.6	4.3	2.7	2.9
29-Dec-24	1:38:43 PM	50.05	250.1	247.9	212.1	63.2	65.8	89.9	14503	15130	18373	48006	0.917	0.928	0.964	1	0.8	9.9	4.2	2.7	3
29-Dec-24	1:38:44 PM	50.05	250.1	247.9	211.9	63.3	65.8	89.4	14503	15131	18253	47887	0.917	0.928	0.963	1	0.8	10	4.2	2.7	3
29-Dec-24	1:38:45 PM	50.05	250.1	247.9	211.8	63.2	65.8	90.2	14497	15124	18413	48035	0.917	0.928	0.964	1	0.8	10	4.1	2.7	3
29-Dec-24	1:38:46 PM	50.05	250.1	247.9	211.8	63.2	65.8	90.4	14495	15124	18443	48062	0.917	0.928	0.964	1	0.8	10	4.1	2.7	3
29-Dec-24	1:38:47 PM	50.05	250	247.8	211.6	63.2	65.7	90.4	14498	15117	18434	48048	0.917	0.928	0.964	1	0.8	10.1	4.1	2.8	3
29-Dec-24	1:38:48 PM	50.05	250	247.8	211.7	63.2	65.7	90.3	14494	15113	18432	48039	0.917	0.928	0.964	1	0.8	10	4.2	2.7	3
29-Dec-24	1:38:49 PM	50.04	250	247.8	211.7	63.2	65.7	90.1	14489	15120	18378	47987	0.917	0.928	0.964	1	0.8	9.9	4.1	2.7	3
29-Dec-24	1:38:50 PM	50.04	250	247.8	211.8	63.2	65.7	89.5	14484	15116	18259	47859	0.917	0.928	0.963	1	0.8	9.9	4.2	2.7	3
29-Dec-24	1:38:51 PM	50.04	250	247.8	211.7	63.2	65.8	90.3	14480	15123	18426	48028	0.917	0.928	0.964	1	0.8	10	4.1	2.7	3
29-Dec-24	1:38:52 PM	50.04	250	247.8	211.7	63.2	65.9	90.4	14488	15146	18431	48065	0.917	0.928	0.963	1	0.8	10	4.2	2.7	3
29-Dec-24	1:38:53 PM	50.04	250.1	247.8	211.7	63.2	65.8	90.4	14489	15148	18435	48072	0.917	0.929	0.964	1	0.8	10	4.2	2.7	3
29-Dec-24	1:38:54 PM	50.04	250.1	247.8	211.6	63.2	65.8	90.4	14497	15147	18431	48075	0.917	0.929	0.964	1	0.8	10	4.2	2.7	3
29-Dec-24	1:38:55 PM	50.04	250.1	247.8	211.7	63.2	65.8	89.9	14492	15147	18341	47980	0.917	0.929	0.963	1	0.8	9.9	4.1	2.8	3
29-Dec-24	1:38:56 PM	50.04	250.1	247.8	211.7	63.2	65.8	89.4	14494	15152	18238	47883	0.917	0.929	0.963	1	0.7	10	4.2	2.7	3
29-Dec-24	1:38:57 PM	50.04	250.1	247.8	211.6	63.2	65.8	90.3	14492	15154	18412	48058	0.917	0.929	0.964	1	0.8	10	4.1	2.7	3
29-Dec-24	1:38:58 PM	50.04	250.1	247.8	211.6	63.2	65.8	90.4	14490	15148	18425	48062	0.917	0.928	0.964	1	0.9	10	4.2	2.7	3

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:38:59 PM	50.04	250.1	247.8	211.6	63.2	65.8	90.4	14486	15146	18431	48063	0.917	0.929	0.964	1	0.8	10.1	4.2	2.7	3
29-Dec-24	1:39:00 PM	50.04	250.1	247.7	211.7	63.2	65.8	88.7	14477	15131	18056	47663	0.916	0.928	0.962	1	0.9	10	4.1	2.8	3.1
29-Dec-24	1:39:01 PM	50.04	250	247.7	211.8	63.1	65.8	86.6	14461	15126	17631	47218	0.917	0.929	0.961	1	0.8	10.1	4.1	2.8	3.3
29-Dec-24	1:39:02 PM	50.04	250	247.7	211.9	63.1	65.8	86	14455	15128	17515	47097	0.917	0.929	0.96	1	0.9	10.1	4.1	2.7	3.3
29-Dec-24	1:39:03 PM	50.04	250	247.7	212	63.1	65.8	86.8	14466	15128	17678	47273	0.917	0.928	0.961	1	0.9	10.1	4.2	2.7	3.4
29-Dec-24	1:39:04 PM	50.04	250	247.7	212	63.1	65.8	86.9	14474	15129	17696	47299	0.917	0.928	0.961	1	0.9	10	4.2	2.8	3.2
29-Dec-24	1:39:05 PM	50.04	250	247.7	212.2	63.1	65.8	86.9	14468	15129	17707	47304	0.917	0.928	0.961	1	0.9	10.2	4.2	2.8	3.2
29-Dec-24	1:39:06 PM	50.04	250.1	247.7	212.3	63.2	65.8	86.9	14480	15137	17720	47337	0.917	0.929	0.961	1	0.8	10	4.2	2.8	3.3
29-Dec-24	1:39:07 PM	50.04	250.1	247.7	212.2	63.2	65.8	86.6	14486	15137	17649	47271	0.917	0.929	0.961	1	0.9	10.1	4.1	2.7	3.2
29-Dec-24	1:39:08 PM	50.04	250	247.7	212.2	63.2	65.8	86	14478	15130	17530	47138	0.917	0.929	0.96	1	0.8	10.1	4.2	2.8	3.3
29-Dec-24	1:39:09 PM	50.04	250	247.7	212.1	63.1	65.8	86.8	14473	15132	17682	47288	0.917	0.929	0.961	1	0.8	10	4.2	2.8	3.3
29-Dec-24	1:39:10 PM	50.04	250	247.7	212	63.1	65.8	86.9	14475	15134	17708	47317	0.917	0.929	0.961	1	0.8	10.2	4.3	2.8	3.2
29-Dec-24	1:39:11 PM	50.04	250	247.7	212	63.1	65.8	86.9	14476	15137	17696	47310	0.917	0.928	0.961	1	0.8	10.1	4.3	2.8	3.2
29-Dec-24	1:39:12 PM	50.04	250	247.6	211.9	63.3	65.8	86.9	14507	15132	17689	47328	0.917	0.929	0.961	1	0.8	10.2	4.2	2.8	3.2
29-Dec-24	1:39:13 PM	50.04	249.9	247.8	211.9	63.8	65.9	86.7	14601	15155	17630	47386	0.916	0.928	0.96	1	0.9	10.1	4.2	2.7	3.2
29-Dec-24	1:39:14 PM	50.04	249.9	248	211.8	63.7	65.9	86	14587	15173	17481	47241	0.916	0.928	0.96	1	0.9	10.1	4.5	2.8	3.3
29-Dec-24	1:39:15 PM	50.04	249.9	248	211.6	63.7	65.9	87.2	14588	15174	17732	47493	0.916	0.928	0.961	1	0.7	10.1	4.2	2.8	3.2
29-Dec-24	1:39:16 PM	50.04	249.8	247.9	211.6	63.6	65.9	87.4	14570	15174	17793	47537	0.917	0.928	0.963	0.9	0.8	10.2	4.2	2.8	3.2
29-Dec-24	1:39:17 PM	50.03	249.9	248	211.5	63.7	65.9	87.3	14578	15173	17774	47526	0.916	0.928	0.963	1	0.8	10.2	4.3	2.7	3.2
29-Dec-24	1:39:18 PM	50.03	249.9	248	211.4	63.7	65.9	87.3	14584	15170	17768	47522	0.916	0.928	0.963	1	0.8	10.2	4.3	2.8	3.2
29-Dec-24	1:39:19 PM	50.03	249.9	248	211.3	63.8	65.9	88.1	14607	15171	17942	47720	0.916	0.928	0.964	1	0.8	10.3	4.4	2.8	3.3
29-Dec-24	1:39:20 PM	50.03	249.9	248	211.1	63.7	66	89.9	14598	15185	18324	48107	0.916	0.928	0.965	1	0.8	10.3	4.4	2.7	3.1
29-Dec-24	1:39:21 PM	50.03	249.9	248	211	63.7	65.9	90.7	14595	15183	18479	48257	0.916	0.928	0.966	1	0.8	10.4	4.3	2.8	3.1
29-Dec-24	1:39:22 PM	50.03	250	248	211	63.7	66	91.5	14596	15185	18662	48443	0.916	0.928	0.966	1	0.9	10.3	4.3	2.7	3
29-Dec-24	1:39:23 PM	50.03	250	248.1	218.9	63.8	66	93.2	14608	15189	19813	49611	0.916	0.928	0.971	1	0.8	4.3	4.4	2.7	3
29-Dec-24	1:39:24 PM	50.03	250	248.1	219	63.9	66	93.4	14642	15194	19913	49749	0.917	0.928	0.973	1	0.8	5.3	4.6	2.8	3
29-Dec-24	1:39:25 PM	50.03	250.1	248.1	218.8	63.8	66	93.3	14627	15189	19862	49678	0.916	0.928	0.973	1	0.8	5.2	4.5	2.8	2.9
29-Dec-24	1:39:26 PM	50.03	250	248.1	218.2	63.8	66	92.6	14626	15190	19657	49474	0.916	0.928	0.973	1	0.8	5.5	4.5	2.8	3
29-Dec-24	1:39:27 PM	50.03	250	248.1	217.5	63.9	66	96	14638	15194	20277	50109	0.916	0.928	0.971	1	0.8	5.6	4.5	2.7	3
29-Dec-24	1:39:28 PM	50.03	250	248.1	217.3	63.9	66	95.2	14658	15200	20101	49959	0.917	0.928	0.971	1	0.7	5.7	4.7	2.7	3
29-Dec-24	1:39:29 PM	50.03	250	248.1	217	63.9	66	94	14646	15196	19828	49670	0.917	0.928	0.972	1	0.8	5.8	4.6	2.8	2.9
29-Dec-24	1:39:30 PM	50.03	250	248.1	216.7	63.9	66	94	14646	15192	19797	49635	0.917	0.928	0.972	1	0.7	5.9	4.7	2.7	3
29-Dec-24	1:39:31 PM	50.02	250	248.1	216.1	63.9	66	93.8	14648	15196	19696	49539	0.917	0.928	0.971	1	0.8	6.2	4.7	2.8	2.9
29-Dec-24	1:39:32 PM	50.02	250	248.1	215.5	63.9	66	93.1	14640	15191	19497	49328	0.916	0.928	0.971	1	0.8	6.5	4.7	2.8	3
29-Dec-24	1:39:33 PM	50.02	250	248.1	215.4	63.9	66	93.6	14646	15189	19591	49427	0.917	0.928	0.972	1	0.8	6.5	4.7	2.7	3
29-Dec-24	1:39:34 PM	50.02	250.1	248.1	214.7	63.9	66	94.1	14644	15186	19621	49452	0.917	0.928	0.972	1	0.8	6.8	4.7	2.7	2.9
29-Dec-24	1:39:35 PM	50.02	250	248.1	214.3	63.9	65.9	94.1	14636	15184	19600	49419	0.917	0.928	0.972	1	0.7	6.9	4.6	2.7	3.1
29-Dec-24	1:39:36 PM	50.02	250	248.1	213.8	63.9	66	93.9	14642	15186	19494	49322	0.917	0.928	0.971	1	0.8	7.3	4.6	2.7	3
29-Dec-24	1:39:37 PM	50.02	249.9	248	213.7	63.8	65.9	93.2	14631	15177	19337	49145	0.917	0.928	0.971	1	0.7	7.4	4.6	2.7	3.1
29-Dec-24	1:39:38 PM	50.02	250	248	213.5	63.8	65.9	93.2	14627	15176	19302	49105	0.917	0.928	0.97	1	0.7	7.8	4.6	2.7	3
29-Dec-24	1:39:39 PM	50.02	250	248	212.2	63.8	66	93.2	14626	15181	19175	48982	0.917	0.928	0.97	1	0.8	8.6	4.7	2.7	2.9
29-Dec-24	1:39:40 PM	50.02	250	248.1	214.5	63.8	65.9	93.2	14633	15179	19392	49204	0.917	0.928	0.97	1	0.8	9.3	4.6	2.8	3

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	1:39:41 PM	50.02	250	248	219	63.9	66	93.2	14634	15184	19827	49645	0.917	0.928	0.971	1	0.8	5.3	4.6	2.7	3
29-Dec-24	1:39:42 PM	50.02	250	248.1	217.8	63.8	65.9	93.2	14630	15183	19704	49517	0.917	0.928	0.971	1	0.8	6.4	4.5	2.7	3.1
29-Dec-24	1:39:43 PM	50.02	250	248	217.1	63.8	65.9	93.2	14633	15180	19634	49447	0.917	0.928	0.971	1	0.8	6.7	4.6	2.7	2.9
29-Dec-24	1:39:44 PM	50.02	249.9	248	216.3	63.9	65.9	94.2	14635	15178	19768	49581	0.917	0.928	0.971	1	0.8	7.2	4.7	2.7	3
29-Dec-24	1:39:45 PM	50.02	250	248	215.9	63.9	66	93.9	14638	15184	19680	49502	0.917	0.928	0.97	1	0.7	7.5	4.7	2.7	3
29-Dec-24	1:39:46 PM	50.02	250	248	215.5	63.8	65.9	93.2	14627	15184	19479	49291	0.917	0.928	0.97	1	0.8	7.7	4.7	2.7	3
29-Dec-24	1:39:47 PM	50.02	250	248	215.2	63.8	65.9	94	14618	15183	19624	49425	0.917	0.928	0.97	1	0.7	7.8	4.7	2.8	3
29-Dec-24	1:39:48 PM	50.02	250	248	215.1	63.8	65.9	94.1	14616	15180	19636	49433	0.917	0.928	0.97	1	0.7	7.8	4.6	2.7	3
29-Dec-24	1:39:49 PM	50.03	250	248.1	215	63.8	65.9	94.1	14622	15185	19628	49435	0.917	0.928	0.97	1	0.7	7.8	4.6	2.7	3
29-Dec-24	1:39:50 PM	50.03	250	248.1	214.9	63.8	65.9	94.1	14625	15186	19620	49431	0.917	0.928	0.97	1	0.7	7.9	4.5	2.8	2.9
29-Dec-24	1:39:51 PM	50.03	249.7	248	214.7	66.9	66	93.3	15302	15195	19433	49931	0.916	0.928	0.97	1	0.7	7.9	4.4	2.7	3
29-Dec-24	1:39:52 PM	50.03	249.9	248.1	214.5	65.7	66	93.8	15072	15191	19528	49790	0.917	0.928	0.97	1	0.8	8	4.5	2.7	3.1
29-Dec-24	1:39:53 PM	50.03	249.9	248.1	214.1	65.8	66	94.1	15077	15187	19560	49824	0.918	0.928	0.97	1	0.7	8.2	4.5	2.7	2.9
29-Dec-24	1:39:54 PM	50.03	249.9	248.1	213.7	65.7	66	94.2	15064	15191	19522	49777	0.917	0.928	0.97	1	0.8	8.4	4.5	2.7	3
29-Dec-24	1:39:55 PM	50.03	249.9	248.1	213.5	65.7	65.9	94.2	15051	15188	19494	49733	0.917	0.929	0.97	1	0.7	8.6	4.5	2.7	2.9
29-Dec-24	1:39:56 PM	50.03	249.5	247.7	212.9	65.6	65.9	93.6	15017	15171	19326	49514	0.918	0.929	0.97	1	0.8	8.7	4.4	2.7	2.9
29-Dec-24	1:39:57 PM	50.02	249.5	247.7	212.8	65.6	65.9	93.6	15016	15178	19308	49502	0.918	0.929	0.97	1	0.7	8.9	4.5	2.7	3.1
29-Dec-24	1:39:58 PM	50.02	249.5	247.7	212.4	65.6	66	96.4	15023	15182	19871	50077	0.917	0.929	0.971	1	0.7	9	4.4	2.8	3.1
Minumum		50.02	248.9	247.6	204.8	51.9	59.2	86	11598	13282	17481	46781	0.889	0.895	0.955	0.9	0.7	3.4	3	2.5	1.9
Maximum		50.16	251.5	250.3	227.2	86.3	67.9	113.3	20453	15632	24739	58636	0.952	0.93	0.979	1.1	1.4	11.5	5.4	6	4.8
Average		50.09	250.7	249.1	216.3	66.65	64.41	98.87	15455	14783	20781	51020	0.92	0.92	0.97	0.98	0.82	6.93	4.03	2.90	2.74

Load Profile of the TR-4

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	4:24:41 PM	49.9	254.4	252.6	255	86.6	134.8	123.7	16289	27185	22406	65880	0.739	0.798	0.71	1.2	1.7	1.5	13.2	14.6	13.1
29-Dec-24	4:24:42 PM	49.9	254.4	252.6	255	84.7	134.7	123.7	15675	27165	22423	65263	0.727	0.798	0.711	1.1	1.5	1.4	12.9	14	12.5
29-Dec-24	4:24:43 PM	49.9	254.4	252.6	255	84.6	134.7	123.6	15635	27164	22406	65205	0.727	0.798	0.711	1.1	1.5	1.4	12.7	14	12.7
29-Dec-24	4:24:44 PM	49.9	254.4	252.6	255	84.6	134.8	123.6	15629	27183	22419	65231	0.727	0.798	0.711	1.1	1.5	1.4	12.8	14.1	12.7
29-Dec-24	4:24:45 PM	49.9	254.4	252.6	255	86.1	134.7	123.7	16102	27158	22409	65669	0.736	0.798	0.711	1.1	1.5	1.4	12.7	14	12.9
29-Dec-24	4:24:46 PM	49.9	254.3	252.6	255	85.9	134.7	123.6	16059	27181	22405	65645	0.735	0.799	0.711	1.2	1.5	1.4	13	14.2	13
29-Dec-24	4:24:47 PM	49.9	254.4	252.6	255	85.8	134.7	123.6	16012	27177	22396	65585	0.734	0.798	0.711	1.1	1.6	1.4	12.9	14.2	13.1
29-Dec-24	4:24:48 PM	49.89	254.3	252.6	255	86.4	134.8	123.7	16219	27185	22407	65811	0.738	0.798	0.711	1.2	1.6	1.4	13.3	14.4	13.1
29-Dec-24	4:24:49 PM	49.89	254.3	252.6	255	86.6	134.8	123.6	16340	27191	22394	65925	0.741	0.799	0.711	1.2	1.7	1.4	12.7	14.4	13.1
29-Dec-24	4:24:50 PM	49.89	254.3	252.6	255	85.9	134.9	123.6	16106	27233	22397	65735	0.737	0.799	0.711	1.1	1.6	1.5	12.7	14.1	12.9
29-Dec-24	4:24:51 PM	49.89	254.4	252.6	255	85.5	134.7	123.7	15963	27163	22421	65548	0.734	0.798	0.711	1.2	1.6	1.4	13.1	14.3	13
29-Dec-24	4:24:52 PM	49.89	254.3	252.6	254.9	85.7	134.7	124.1	15957	27156	22559	65672	0.732	0.798	0.713	1.2	1.6	1.4	13.3	14.2	13.2
29-Dec-24	4:24:53 PM	49.89	254.4	252.6	254.8	86.1	134.9	131.7	16194	27194	25310	68699	0.74	0.798	0.754	1.2	1.6	1.5	13.2	14.3	12.1
29-Dec-24	4:24:54 PM	49.89	254.4	252.7	254.8	86	134.9	131.9	16179	27223	25383	68785	0.739	0.798	0.755	1.1	1.6	1.4	13	14.2	12
29-Dec-24	4:24:55 PM	49.89	254.3	252.6	254.8	85.9	134.9	132	16122	27208	25389	68719	0.738	0.798	0.755	1.2	1.6	1.4	12.9	14.1	11.9
29-Dec-24	4:24:56 PM	49.89	254.4	252.6	254.8	84.5	134.9	131.9	15604	27196	25354	68154	0.726	0.798	0.755	1.2	1.6	1.5	13.6	14.2	12.1

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	4:24:57 PM	49.89	254.4	252.6	254.8	84.4	135	131.9	15591	27206	25350	68148	0.726	0.798	0.754	1.2	1.6	1.5	13.6	14.4	12.2
29-Dec-24	4:24:58 PM	49.89	254.4	252.5	254.8	84.6	134.9	131.8	15637	27178	25326	68141	0.727	0.798	0.754	1.1	1.6	1.4	13.1	14.4	12
29-Dec-24	4:24:59 PM	49.88	254.3	252.5	254.8	84.5	134.9	131.8	15603	27185	25331	68119	0.726	0.798	0.754	1.2	1.7	1.5	13.6	14.5	12.3
29-Dec-24	4:25:00 PM	49.88	254.4	252.5	254.8	84.5	135	132	15589	27249	25369	68207	0.725	0.799	0.755	1.3	1.7	1.5	14.3	14.6	12.4
29-Dec-24	4:25:01 PM	49.88	254.4	252.5	254.8	84.5	134.9	131.8	15629	27234	25336	68199	0.727	0.799	0.754	1.2	1.7	1.5	13.8	14.5	12.2
29-Dec-24	4:25:02 PM	49.88	254.4	252.6	254.8	84.7	134.9	131.7	15678	27252	25311	68241	0.728	0.8	0.754	1.2	1.7	1.5	13.5	14.4	12.2
29-Dec-24	4:25:03 PM	49.88	254.4	252.6	254.8	84.5	135	131.7	15606	27280	25301	68188	0.726	0.8	0.754	1.2	1.7	1.5	13.7	14.5	12.2
29-Dec-24	4:25:04 PM	49.88	254.3	252.5	254.8	84.6	135	131.8	15623	27275	25332	68230	0.726	0.8	0.754	1.3	1.6	1.5	14.1	14.6	12.4
29-Dec-24	4:25:05 PM	49.88	254.3	252.5	254.8	85.2	135.1	131.8	15836	27285	25325	68446	0.731	0.8	0.754	1.3	1.7	1.5	14.2	14.6	12.5
29-Dec-24	4:25:06 PM	49.88	254.4	252.6	254.9	85.3	135.1	131.9	15900	27286	25374	68560	0.733	0.8	0.755	1.1	1.6	1.4	12.6	14.3	12
29-Dec-24	4:25:07 PM	49.88	254.4	252.6	254.8	85.3	135	131.9	15896	27270	25355	68521	0.733	0.8	0.754	1.2	1.7	1.5	13.7	14.5	12.3
29-Dec-24	4:25:08 PM	49.88	254.4	252.6	254.8	85.3	134.9	131.8	15890	27254	25335	68480	0.733	0.8	0.754	1.1	1.6	1.4	13	14.3	12.1
29-Dec-24	4:25:09 PM	49.88	254.3	252.6	254.8	85.8	135	131.8	16082	27283	25344	68708	0.737	0.8	0.754	1.1	1.6	1.4	12.6	14.3	12
29-Dec-24	4:25:10 PM	49.88	254.4	252.5	254.8	84.4	135	131.7	15626	27274	25318	68218	0.727	0.8	0.754	1.2	1.6	1.4	12.8	14.1	11.9
29-Dec-24	4:25:11 PM	49.88	254.4	252.5	254.8	84.6	135	131.6	15664	27285	25292	68240	0.728	0.8	0.754	1.2	1.6	1.4	12.8	14.1	12.1
29-Dec-24	4:25:12 PM	49.87	254.4	252.5	254.8	84.5	135	131.7	15638	27278	25303	68219	0.728	0.8	0.754	1.1	1.6	1.4	12.9	14.2	12.1
29-Dec-24	4:25:13 PM	49.87	254.4	252.5	254.8	84.4	134.9	131.7	15609	27247	25304	68159	0.727	0.8	0.754	1.1	1.6	1.4	12.8	14.2	11.8
29-Dec-24	4:25:14 PM	49.87	254.3	252.5	254.8	84.3	135	131.7	15596	27261	25303	68159	0.727	0.8	0.754	1.1	1.6	1.4	12.9	14.2	12
29-Dec-24	4:25:15 PM	49.87	254.3	252.5	254.7	84.3	135	131.7	15578	27249	25283	68109	0.726	0.8	0.754	1.2	1.7	1.5	13.5	14.5	12.3
29-Dec-24	4:25:16 PM	49.87	254.4	252.5	254.8	84.4	134.9	131.7	15599	27242	25310	68151	0.727	0.8	0.754	1.2	1.7	1.4	13.7	14.3	12
29-Dec-24	4:25:17 PM	49.87	254.4	252.5	254.8	84.4	134.8	131.7	15610	27215	25315	68140	0.727	0.799	0.754	1.1	1.6	1.4	12.9	14.1	11.9
29-Dec-24	4:25:18 PM	49.87	254.4	252.5	254.8	84.4	134.8	131.7	15612	27221	25307	68141	0.727	0.799	0.754	1.1	1.6	1.4	12.8	14	11.7
29-Dec-24	4:25:19 PM	49.87	254.3	252.5	254.8	85.4	134.9	131.7	16160	27267	25299	68726	0.744	0.8	0.754	1.1	1.6	1.4	12.8	14.2	11.9
29-Dec-24	4:25:20 PM	49.88	254.3	252.5	254.8	86.2	134.9	131.7	16419	27249	25309	68976	0.749	0.8	0.754	1.1	1.7	1.4	12.7	14.2	11.9
29-Dec-24	4:25:21 PM	49.88	254.3	252.5	254.7	85.9	134.8	131.7	16323	27200	25308	68831	0.748	0.799	0.754	1.2	1.7	1.4	13	14.3	12.1
29-Dec-24	4:25:22 PM	49.88	254.3	252.5	254.7	86.1	134.9	131.7	16393	27220	25287	68900	0.749	0.799	0.754	1.1	1.6	1.4	12.7	14.2	11.8
29-Dec-24	4:25:23 PM	49.88	254.2	252.5	254.7	88.3	134.8	131.7	17142	27211	25295	69648	0.764	0.799	0.754	1.1	1.6	1.4	12.2	14.2	11.9
29-Dec-24	4:25:24 PM	49.88	254.2	252.5	254.7	88	134.9	131.7	17052	27318	25286	69656	0.762	0.802	0.754	1.2	1.6	1.4	12.2	14.1	11.9
29-Dec-24	4:25:25 PM	49.88	254.2	252.4	254.7	86.5	135.3	131.6	16560	27388	25283	69231	0.753	0.802	0.754	1.2	1.6	1.4	12.8	14.1	11.9
29-Dec-24	4:25:26 PM	49.88	254.3	252.5	254.7	85.5	135.4	131.6	16234	27409	25280	68923	0.746	0.802	0.754	1.2	1.6	1.4	12.9	14.1	11.9
29-Dec-24	4:25:27 PM	49.87	254.2	252.5	254.6	86.1	135.5	131.8	16429	27441	25321	69191	0.75	0.802	0.755	1.2	1.6	1.5	12.5	14.1	12
29-Dec-24	4:25:28 PM	49.87	254.2	252.5	254.6	85.9	135.5	131.7	16344	27422	25296	69062	0.749	0.802	0.754	1.2	1.6	1.5	12.9	14.1	12
29-Dec-24	4:25:29 PM	49.87	254.3	252.5	254.6	85.9	135.5	131.6	16345	27419	25264	69028	0.749	0.801	0.754	1.2	1.6	1.5	12.7	14.3	12
29-Dec-24	4:25:30 PM	49.87	254.3	252.5	254.6	86	135.5	131.6	16394	27433	25265	69093	0.749	0.802	0.754	1.2	1.6	1.5	12.9	14.3	12.2
29-Dec-24	4:25:31 PM	49.87	254.3	252.5	254.6	84.6	135.5	131.6	15926	27425	25274	68625	0.74	0.802	0.754	1.2	1.6	1.5	13.1	14.4	12.2
29-Dec-24	4:25:32 PM	49.87	254.3	252.5	254.6	84.8	135.6	131.5	15965	27450	25247	68662	0.741	0.802	0.754	1.2	1.6	1.5	12.9	14.3	12.1
29-Dec-24	4:25:33 PM	49.87	254.2	252.5	254.6	84.6	135.4	131.6	15907	27404	25251	68562	0.74	0.802	0.754	1.2	1.6	1.5	13.2	14.3	12.1
29-Dec-24	4:25:34 PM	49.87	254.3	252.5	254.6	84.5	135.5	132.9	15884	27442	26088	69414	0.739	0.802	0.771	1.2	1.6	1.5	13	14.2	11.3
29-Dec-24	4:25:35 PM	49.87	254.3	252.5	254.7	84.4	135.5	131.1	15859	27436	25447	68742	0.739	0.802	0.762	1.2	1.6	1.5	13	14.2	12
29-Dec-24	4:25:36 PM	49.87	254.4	252.5	254.7	84.5	137	131.2	15869	28028	25468	69365	0.739	0.81	0.762	1.2	1.6	1.5	13.1	14.4	12.2
29-Dec-24	4:25:37 PM	49.87	254.3	252.5	254.6	85	135.7	131.2	16062	27587	25462	69112	0.743	0.805	0.762	1.2	1.6	1.5	13	14.3	12.2
29-Dec-24	4:25:38 PM	49.87	254.3	252.5	254.7	85.5	135.3	131.2	16227	27421	25468	69116	0.746	0.802	0.762	1.2	1.6	1.5	12.9	14.2	12.1

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	4:25:39 PM	49.87	254.3	252.5	254.6	85.2	135.4	131.2	16129	27387	25457	68973	0.744	0.801	0.762	1.2	1.6	1.5	12.7	14.3	12
29-Dec-24	4:25:40 PM	49.87	254.3	252.5	254.6	85.2	135.4	131.4	16104	27420	25511	69036	0.743	0.802	0.763	1.2	1.6	1.5	12.9	14.3	12
29-Dec-24	4:25:41 PM	49.87	254.4	252.5	254.6	84.8	135.4	131.3	15769	27410	25475	68654	0.731	0.801	0.762	1.2	1.6	1.5	13.1	14.2	12
29-Dec-24	4:25:42 PM	49.87	254.4	252.6	254.7	84.3	135.4	131.2	15519	27399	25465	68383	0.724	0.801	0.762	1.2	1.6	1.5	13	14.3	12.1
29-Dec-24	4:25:43 PM	49.87	254.4	252.5	254.6	84.1	135.4	131.2	15463	27388	25458	68309	0.723	0.801	0.762	1.2	1.6	1.5	13.2	14.3	12.2
29-Dec-24	4:25:44 PM	49.87	254.4	252.5	254.6	84	135.4	131.2	15454	27382	25437	68273	0.723	0.801	0.761	1.1	1.6	1.5	12.9	14.3	12.1
29-Dec-24	4:25:45 PM	49.87	254.4	252.5	254.6	84.1	135.5	131.2	15463	27407	25383	68253	0.723	0.801	0.76	1.2	1.6	1.5	13	14.3	12.2
29-Dec-24	4:25:46 PM	49.87	254.4	252.6	254.6	82.1	133.1	129.1	14704	26635	24641	65980	0.704	0.792	0.75	1.2	1.6	1.5	13	14.3	12.2
29-Dec-24	4:25:47 PM	49.87	254.3	252.6	254.6	83.9	131.5	127.4	15367	26140	24054	65561	0.72	0.787	0.742	1.2	1.7	1.5	13.8	15	12.7
29-Dec-24	4:25:48 PM	49.87	254.4	252.5	254.6	82.5	132	127.3	14875	26739	24053	65667	0.709	0.802	0.742	1.2	1.7	1.5	14.2	15.1	12.7
29-Dec-24	4:25:49 PM	49.87	254.4	252.4	254.6	82.6	132.1	127.4	14878	26895	24071	65845	0.708	0.807	0.742	1.3	1.7	1.5	14	15	12.8
29-Dec-24	4:25:50 PM	49.87	254.4	252.5	254.6	81.9	132.1	127.4	14641	26796	24074	65512	0.702	0.803	0.742	1.3	1.7	1.5	14.1	14.9	12.7
29-Dec-24	4:25:51 PM	49.87	254.4	252.6	254.6	83.1	129.4	127.6	15017	25691	24101	64810	0.71	0.786	0.742	1.2	1.7	1.5	13.7	15.5	13
29-Dec-24	4:25:52 PM	49.86	254.4	252.6	254.6	83.2	129.4	127.5	15047	25850	24077	64974	0.711	0.791	0.742	1.3	1.7	1.5	14.1	15.5	12.8
29-Dec-24	4:25:53 PM	49.87	254.4	252.6	254.6	82.8	129.4	127.4	14927	25764	24060	64752	0.709	0.788	0.742	1.3	1.7	1.5	14.3	15.6	13
29-Dec-24	4:25:54 PM	49.87	254.4	252.6	254.6	82.7	129.4	127.4	14894	25847	24068	64809	0.708	0.791	0.742	1.2	1.7	1.5	14.1	15.3	12.9
29-Dec-24	4:25:55 PM	49.87	254.4	252.7	254.7	81.7	129.2	127.3	14550	25772	24046	64368	0.7	0.789	0.742	1.2	1.7	1.5	14.4	15.4	12.8
29-Dec-24	4:25:56 PM	49.87	254.4	252.7	254.6	81.8	129.1	127.5	14562	25386	24078	64027	0.7	0.778	0.742	1.2	1.6	1.4	14.7	14.8	12.5
29-Dec-24	4:25:57 PM	49.87	254.4	252.7	254.6	80.9	129	127.5	14229	25274	24081	63584	0.691	0.775	0.742	1.3	1.6	1.5	15.5	15.7	13.1
29-Dec-24	4:25:58 PM	49.87	254.4	252.7	254.6	80.7	129	127.5	14164	25274	24075	63512	0.69	0.775	0.741	1.3	1.7	1.5	15.1	15.7	13.1
29-Dec-24	4:25:59 PM	49.87	254.4	252.8	254.7	80.7	128.9	127.5	14150	25250	24069	63469	0.69	0.775	0.741	1.2	1.6	1.5	15.1	15.6	13
29-Dec-24	4:26:00 PM	49.87	254.4	252.8	254.7	80.6	128.9	127.2	14144	25256	24002	63402	0.69	0.775	0.741	1.3	1.6	1.5	15.1	15.5	13
29-Dec-24	4:26:01 PM	49.87	254.4	252.8	254.8	80.7	128.7	119.8	14148	25229	21364	60742	0.689	0.775	0.7	1.2	1.6	1.4	14.8	15.5	13.7
29-Dec-24	4:26:02 PM	49.87	254.4	252.8	254.8	80.9	128.8	119.6	14198	25247	21285	60730	0.69	0.775	0.698	1.3	1.6	1.5	14.9	15.5	13.9
29-Dec-24	4:26:03 PM	49.87	254.4	252.8	254.8	80.7	128.8	119.7	14138	25220	21276	60633	0.688	0.775	0.698	1.3	1.6	1.5	15.3	15.6	14.3
29-Dec-24	4:26:04 PM	49.87	254.4	252.8	254.8	80.7	128.8	119.7	14133	25226	21297	60655	0.689	0.775	0.698	1.3	1.6	1.6	15.2	15.6	14.4
29-Dec-24	4:26:05 PM	49.87	254.3	252.7	254.7	80.6	128.7	119.7	14126	25201	21295	60622	0.689	0.775	0.698	1.2	1.6	1.5	14.6	15.5	14
29-Dec-24	4:26:06 PM	49.87	254.4	252.7	254.8	80.6	128.8	119.7	14139	25250	21274	60662	0.69	0.775	0.698	1.2	1.6	1.5	14.2	15.3	13.9
29-Dec-24	4:26:07 PM	49.87	254.4	252.7	254.8	80.6	128.7	119.8	14124	25209	21250	60583	0.689	0.775	0.696	1.2	1.6	1.5	14.4	15.4	13.7
29-Dec-24	4:26:08 PM	49.88	254.4	252.7	254.8	80.6	128.6	119.7	14142	25207	21227	60576	0.69	0.775	0.696	1.2	1.6	1.5	14.4	15.5	13.9
29-Dec-24	4:26:09 PM	49.88	254.4	252.7	254.8	80.6	128.7	119.7	14158	25220	21238	60616	0.69	0.776	0.696	1.2	1.6	1.5	14.2	15.4	13.7
29-Dec-24	4:26:10 PM	49.88	254.4	252.7	254.8	80.8	128.6	119.8	14181	25188	21250	60619	0.69	0.775	0.696	1.2	1.6	1.5	14.3	15.5	13.9
29-Dec-24	4:26:11 PM	49.88	254.3	252.7	254.8	81.3	128.6	119.7	14480	25198	21231	60909	0.7	0.775	0.696	1.2	1.6	1.5	14.8	15.3	13.6
29-Dec-24	4:26:12 PM	49.88	254.3	252.7	254.8	80.9	128.7	119.7	14498	25218	21231	60947	0.704	0.775	0.696	1.2	1.6	1.5	14.2	15.4	13.9
29-Dec-24	4:26:13 PM	49.88	254.3	252.7	254.8	80.8	128.7	119.8	14437	25193	21234	60864	0.703	0.775	0.696	1.2	1.6	1.5	14.8	15.6	14.1
29-Dec-24	4:26:14 PM	49.87	254.3	252.7	254.8	81	128.7	119.8	14495	25217	21241	60952	0.704	0.775	0.696	1.2	1.6	1.5	14.8	15.7	14.3
29-Dec-24	4:26:15 PM	49.88	254.3	252.7	254.8	81.8	128.8	119.6	14783	25236	21127	61146	0.711	0.775	0.693	1.3	1.6	1.6	14.8	15.7	14.2
29-Dec-24	4:26:16 PM	49.87	254.3	252.7	254.9	81.7	128.7	119.4	14730	25206	20990	60926	0.709	0.775	0.689	1.2	1.6	1.6	15	15.5	14.3
29-Dec-24	4:26:17 PM	49.87	254.3	252.7	254.9	81.7	128.7	119.4	14735	25227	20984	60946	0.709	0.775	0.689	1.3	1.6	1.6	15	15.6	14.3
29-Dec-24	4:26:18 PM	49.87	254.4	252.8	254.9	81.2	128.8	119.4	14370	25259	20990	60619	0.695	0.776	0.689	1.2	1.6	1.6	14.7	15.5	14.4
29-Dec-24	4:26:19 PM	49.87	254.4	252.8	254.9	81.9	128.7	119.5	14570	25202	21017	60789	0.699	0.774	0.69	1.2	1.6	1.6	14.5	15.5	14.2
29-Dec-24	4:26:20 PM	49.87	254.5	252.8	254.9	80.9	128.7	121.7	14226	25170	21756	61153	0.691	0.773	0.702	1.2	1.6	1.5	14.8	15.5	14.1

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	4:26:21 PM	49.87	254.5	252.8	254.8	80.8	128.7	123.4	14225	25160	22433	61817	0.692	0.773	0.713	1.2	1.6	1.5	14.6	15.4	13.5
29-Dec-24	4:26:22 PM	49.87	254.5	252.8	254.9	80.8	128.8	123.4	14242	25168	22429	61839	0.692	0.773	0.713	1.2	1.6	1.5	14.3	15.3	13.3
29-Dec-24	4:26:23 PM	49.87	254.4	252.8	254.8	80.7	128.7	123.3	14186	25155	22401	61741	0.691	0.773	0.713	1.2	1.6	1.5	14.4	15.3	13.3
29-Dec-24	4:26:24 PM	49.87	254.4	252.8	254.8	80.7	128.8	123.4	14184	25175	22421	61780	0.691	0.773	0.713	1.2	1.6	1.5	14.7	15.5	13.4
29-Dec-24	4:26:25 PM	49.86	254.4	252.7	254.8	80.7	129	123.3	14190	25290	22403	61883	0.691	0.775	0.713	1.2	1.6	1.5	14.9	15.6	13.5
29-Dec-24	4:26:26 PM	49.86	254.4	252.7	254.6	81	129	124.7	14428	25516	23556	63500	0.7	0.783	0.742	1.2	1.6	1.5	14.8	15.5	12.9
29-Dec-24	4:26:27 PM	49.86	254.4	252.7	254.8	81.1	128.8	120.8	14417	25483	21941	61841	0.698	0.783	0.713	1.2	1.6	1.5	14.5	15.4	13.6
29-Dec-24	4:26:28 PM	49.86	254.4	252.7	254.8	81	128.8	119	14372	25495	21279	61146	0.697	0.783	0.702	1.2	1.6	1.5	14.8	15.5	14
29-Dec-24	4:26:29 PM	49.86	254.4	252.7	254.8	81.9	128.7	119	14632	25478	21276	61386	0.702	0.783	0.701	1.2	1.6	1.6	14.9	15.6	14.4
29-Dec-24	4:26:30 PM	49.86	254.4	252.7	254.8	82.4	128.7	119.4	14665	25472	21390	61526	0.7	0.783	0.703	1.3	1.6	1.6	15	15.6	14.1
29-Dec-24	4:26:31 PM	49.86	254.4	252.8	254.8	84.2	128.8	121	15325	25482	21969	62777	0.715	0.783	0.713	1.2	1.6	1.5	13.6	15.3	13.7
29-Dec-24	4:26:32 PM	49.86	254.4	252.8	254.9	84.4	128.8	119.1	15411	25528	21295	62234	0.717	0.784	0.702	1.2	1.6	1.5	13.5	15.2	13.7
29-Dec-24	4:26:33 PM	49.86	254.4	252.8	254.8	82.4	128.8	119	14710	25518	21270	61499	0.702	0.784	0.701	1.2	1.6	1.5	13.4	15.2	13.5
29-Dec-24	4:26:34 PM	49.86	254.5	252.8	254.8	81.1	128.8	119	14273	25518	21263	61054	0.692	0.784	0.701	1.1	1.6	1.5	13.7	15	13.5
29-Dec-24	4:26:35 PM	49.86	254.5	252.8	254.8	81	128.8	121.8	14276	25505	22269	62050	0.692	0.783	0.717	1.1	1.6	1.5	13.1	14.8	13.2
29-Dec-24	4:26:36 PM	49.86	254.5	252.8	254.8	81	128.9	122.3	14281	25541	22429	62251	0.693	0.784	0.72	1.1	1.6	1.5	13	14.9	12.9
29-Dec-24	4:26:37 PM	49.86	254.5	252.8	254.8	81	128.9	121.8	14265	25554	22283	62102	0.692	0.784	0.718	1.1	1.6	1.5	12.7	14.7	12.8
29-Dec-24	4:26:38 PM	49.86	254.5	252.8	254.8	80.9	128.9	121.3	14251	25565	22070	61887	0.692	0.785	0.714	1.1	1.6	1.4	12.6	14.9	13
29-Dec-24	4:26:39 PM	49.86	254.5	252.8	254.8	81	128.8	120.9	14262	25549	21936	61747	0.692	0.784	0.712	1.1	1.6	1.5	12.4	14.9	13.2
29-Dec-24	4:26:40 PM	49.87	254.5	252.8	254.9	81.1	128.8	119.2	14290	25552	21308	61150	0.692	0.785	0.702	1.1	1.6	1.5	12.8	15	13.6
29-Dec-24	4:26:41 PM	49.87	254.5	252.9	254.9	81.2	128.8	119.1	14253	25531	21287	61071	0.69	0.784	0.701	1.2	1.6	1.5	13.7	15.1	13.9
29-Dec-24	4:26:42 PM	49.87	254.5	252.9	254.9	81.2	128.8	119.2	14246	25533	21304	61084	0.69	0.784	0.701	1.2	1.6	1.5	14.2	15.3	13.8
29-Dec-24	4:26:43 PM	49.87	254.5	252.8	254.9	80.9	128.8	119	14197	25520	21250	60967	0.69	0.784	0.701	1.1	1.6	1.5	13.5	14.9	13.5
29-Dec-24	4:26:44 PM	49.87	254.6	252.9	254.9	81.5	128.9	119.1	14421	25576	21284	61282	0.695	0.785	0.701	1.1	1.6	1.5	13	14.9	13.4
29-Dec-24	4:26:45 PM	49.87	254.5	252.9	254.9	83.3	128.8	119.1	15068	25541	21280	61889	0.711	0.784	0.701	1.1	1.6	1.5	12.7	14.9	13.5
29-Dec-24	4:26:46 PM	49.88	254.6	253	255	83.5	128.9	119.1	15124	25576	21286	61985	0.712	0.784	0.701	1.1	1.6	1.5	13.1	15	13.4
29-Dec-24	4:26:47 PM	49.88	254.6	253	255	82.7	128.8	119.2	14823	25519	21274	61616	0.704	0.783	0.7	1.2	1.6	1.5	13.8	15.2	13.8
29-Dec-24	4:26:48 PM	49.88	254.6	253	255	82.1	128.9	119.2	14576	25545	21281	61402	0.697	0.784	0.7	1.2	1.6	1.5	14.3	15.4	14
29-Dec-24	4:26:49 PM	49.89	254.6	252.9	254.9	82.1	129.1	121.5	14579	25559	22090	62227	0.698	0.783	0.713	1.3	1.6	1.5	14.5	15.4	13.8
29-Dec-24	4:26:50 PM	49.89	254.7	252.9	255	81.1	128.9	119.2	14224	25534	21282	61040	0.689	0.783	0.7	1.2	1.6	1.6	14.6	15.4	14.2
29-Dec-24	4:26:51 PM	49.89	254.6	252.9	255	81	128.9	119.2	14214	25539	21122	60875	0.689	0.783	0.695	1.2	1.6	1.5	13.9	15.1	14
29-Dec-24	4:26:52 PM	49.89	254.7	252.9	255	81.1	129.1	119.5	14244	25782	21003	61030	0.69	0.79	0.689	1.2	1.6	1.6	13.7	15.1	14
29-Dec-24	4:26:53 PM	49.89	254.7	252.8	255.1	81.1	129.7	120	14254	26390	21220	61864	0.69	0.805	0.693	1.2	1.6	1.5	13.5	15.1	13.6
29-Dec-24	4:26:54 PM	49.9	254.7	252.8	255	81	129.4	121	14225	26144	21573	61942	0.69	0.799	0.699	1.2	1.7	1.5	13.5	15.1	13.4
29-Dec-24	4:26:55 PM	49.9	254.7	252.9	255	81	129	119.4	14228	25816	20989	61032	0.69	0.791	0.689	1.1	1.6	1.6	13.3	15.1	13.8
29-Dec-24	4:26:56 PM	49.9	254.7	252.9	255	81	129.2	119.4	14244	26021	20988	61253	0.69	0.796	0.689	1.2	1.7	1.5	13.1	15.1	13.8
29-Dec-24	4:26:57 PM	49.9	254.6	252.9	255	81	129	119.4	14226	25894	21003	61123	0.69	0.794	0.69	1.1	1.6	1.5	13.6	15	13.7
29-Dec-24	4:26:58 PM	49.9	254.7	252.8	255	81	129.3	119.4	14234	26071	21001	61306	0.69	0.797	0.689	1.2	1.7	1.5	13	15.1	13.7
29-Dec-24	4:26:59 PM	49.9	254.7	252.8	255	81	129.2	119.4	14148	26009	20978	61135	0.686	0.796	0.689	1	1.6	1.5	13.1	14.8	13.6
29-Dec-24	4:27:00 PM	49.9	254.7	252.9	255	81.1	129.1	121	13995	25743	21571	61309	0.678	0.789	0.699	1.2	1.7	1.5	13.2	14.9	13.3
29-Dec-24	4:27:01 PM	49.9	254.7	252.9	255	81.2	128.9	120.1	14019	25532	21224	60774	0.678	0.783	0.693	1.2	1.6	1.5	13.4	15.1	13.6
29-Dec-24	4:27:02 PM	49.9	254.6	252.9	255	81.3	128.8	119.5	14040	25512	21008	60560	0.678	0.783	0.689	1.2	1.6	1.5	13.4	15.1	13.5

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	4:27:03 PM	49.9	254.6	252.8	255	81.1	128.8	119.5	13989	25495	20991	60476	0.677	0.783	0.689	1.2	1.6	1.6	13.4	15	13.8
29-Dec-24	4:27:04 PM	49.9	254.6	252.8	255	81.9	128.7	119.5	14261	25482	21004	60746	0.684	0.783	0.689	1.1	1.6	1.5	12.9	15.3	13.9
29-Dec-24	4:27:05 PM	49.9	254.7	252.9	255	81.9	128.8	119.5	14251	25485	21004	60740	0.683	0.783	0.689	1.2	1.6	1.5	13.3	15.2	14
29-Dec-24	4:27:06 PM	49.9	254.7	252.9	255	81.6	128.8	119.5	14147	25510	20998	60654	0.681	0.783	0.689	1.2	1.7	1.6	13.4	15.3	14.1
29-Dec-24	4:27:07 PM	49.9	254.7	252.9	255	81.2	128.9	121.1	13994	25508	21578	61080	0.677	0.782	0.699	1.2	1.6	1.6	13.9	15.4	13.6
29-Dec-24	4:27:08 PM	49.9	254.7	252.9	255	81.3	128.9	120.2	14045	25509	21238	60793	0.678	0.783	0.693	1.2	1.6	1.5	13.9	15.3	13.8
29-Dec-24	4:27:09 PM	49.9	254.8	253	255.1	81.2	128.9	119.5	14018	25529	21015	60562	0.678	0.783	0.689	1.2	1.6	1.6	13.5	15.2	13.9
29-Dec-24	4:27:10 PM	49.9	254.8	252.9	255.1	81.3	130.5	119.6	14039	26267	21025	61331	0.678	0.796	0.689	1.2	1.6	1.5	13.7	14.6	13.9
29-Dec-24	4:27:11 PM	49.91	254.8	253	255.1	81.3	128.9	119.6	14032	25564	21020	60616	0.678	0.784	0.689	1.2	1.6	1.6	13.4	15.2	13.8
29-Dec-24	4:27:12 PM	49.91	254.8	253.1	255.2	81.4	129.1	119.6	14049	25635	21052	60737	0.678	0.785	0.69	1.2	1.6	1.5	13.7	15.1	13.8
29-Dec-24	4:27:13 PM	49.91	254.8	253	255.2	81.2	128.9	119.6	14005	25572	21036	60612	0.677	0.784	0.689	1.2	1.6	1.5	13.5	15.2	13.9
29-Dec-24	4:27:14 PM	49.91	254.8	253	255.2	81.3	129	119.7	14038	25595	21058	60691	0.678	0.784	0.69	1.2	1.6	1.5	13.8	15.3	14
29-Dec-24	4:27:15 PM	49.92	254.9	253	255.1	81.2	129	121.5	14020	25571	21752	61344	0.678	0.784	0.701	1.2	1.6	1.5	13.4	15	13.5
29-Dec-24	4:27:16 PM	49.92	254.9	253	255.2	81.3	128.8	119.9	14035	25553	21146	60734	0.678	0.784	0.691	1.2	1.6	1.5	13.6	15.1	13.7
29-Dec-24	4:27:17 PM	49.92	254.8	253	255.2	81.3	128.9	119.6	14035	25567	21028	60630	0.678	0.784	0.689	1.2	1.6	1.5	13.4	15	13.8
29-Dec-24	4:27:18 PM	49.92	254.9	253.1	255.2	81.3	128.8	119.6	14046	25549	21029	60625	0.678	0.784	0.689	1.2	1.6	1.5	13.7	15.1	13.8
29-Dec-24	4:27:19 PM	49.92	254.9	253	255.2	81.5	128.9	119.6	14117	25586	21023	60726	0.679	0.784	0.689	1.2	1.6	1.5	13.4	15.1	13.8
29-Dec-24	4:27:20 PM	49.93	254.9	253	255.3	82.1	129	119.6	14327	25521	21027	60876	0.684	0.782	0.689	1.2	1.6	1.5	13.5	15.1	13.9
29-Dec-24	4:27:21 PM	49.93	254.9	253.1	255.3	82.1	129	119.5	14306	25501	21021	60828	0.684	0.781	0.689	1.2	1.6	1.5	13.4	15.2	13.8
29-Dec-24	4:27:22 PM	49.93	254.9	253.1	255.2	81.5	129.1	121.8	14128	25504	21815	61446	0.68	0.781	0.702	1.2	1.6	1.5	13.7	15.2	13.5
29-Dec-24	4:27:23 PM	49.93	254.9	253	255.2	81.3	129	119.9	14048	25504	21150	60701	0.678	0.781	0.691	1.2	1.6	1.5	13.2	15	13.8
29-Dec-24	4:27:24 PM	49.93	254.9	253	255.2	81.3	129	119.6	14047	25495	21039	60581	0.678	0.781	0.689	1.2	1.6	1.5	13.5	15	13.8
29-Dec-24	4:27:25 PM	49.93	254.8	252.9	255.1	81.4	128.9	119.6	14052	25467	21022	60542	0.678	0.781	0.689	1.2	1.6	1.5	13.3	15	13.8
29-Dec-24	4:27:26 PM	49.93	254.9	253	255.2	81.3	129.1	119.7	14014	25525	21049	60589	0.676	0.781	0.689	1.2	1.6	1.6	13.7	15	13.9
29-Dec-24	4:27:27 PM	49.93	254.9	253.1	255.2	81.1	129.1	119.6	13899	25539	21039	60477	0.672	0.782	0.689	1.2	1.6	1.6	13.7	15.2	13.9
29-Dec-24	4:27:28 PM	49.93	254.9	253	255.2	81.2	129	119.6	13909	25472	21031	60412	0.672	0.781	0.689	1.2	1.6	1.6	13.9	15.3	14.1
29-Dec-24	4:27:29 PM	49.93	254.9	253.1	255.2	81.1	129.1	121.4	13908	25488	21689	61086	0.673	0.78	0.7	1.2	1.6	1.5	13.8	15.2	13.6
29-Dec-24	4:27:30 PM	49.93	254.8	253	255.2	81.2	129	120	13923	25475	21170	60567	0.673	0.781	0.691	1.2	1.6	1.5	13.9	15.4	14.1
29-Dec-24	4:27:31 PM	49.93	254.9	253	255.2	81.3	128.9	119.6	13935	25471	21014	60419	0.673	0.781	0.689	1.2	1.6	1.5	13.8	15.2	14.2
29-Dec-24	4:27:32 PM	49.93	254.9	253	255.2	81.3	129	119.6	13957	25495	21033	60485	0.673	0.781	0.689	1.2	1.6	1.5	14	15.2	14
29-Dec-24	4:27:33 PM	49.93	254.8	253	255.2	81.4	129.1	119.7	13954	25515	21022	60491	0.673	0.781	0.688	1.2	1.6	1.5	14.1	15.3	14.4
29-Dec-24	4:27:34 PM	49.93	254.8	253	255.2	82.1	129	119.7	14203	25478	21037	60717	0.679	0.781	0.689	1.2	1.7	1.6	14.1	15.4	14.4
29-Dec-24	4:27:35 PM	49.93	254.8	253	255.1	82.1	129	119.7	14197	25473	21024	60694	0.678	0.781	0.688	1.2	1.7	1.6	14.3	15.5	14.5
29-Dec-24	4:27:36 PM	49.93	254.8	253	255.1	81.7	129.1	119.7	14028	25512	21028	60569	0.674	0.781	0.689	1.3	1.6	1.6	14.6	15.5	14.6
29-Dec-24	4:27:37 PM	49.93	254.8	253	255.1	81.3	129.1	120.7	13900	25487	21387	60774	0.671	0.78	0.695	1.3	1.6	1.6	14.8	15.6	14.4
29-Dec-24	4:27:38 PM	49.93	254.9	253	255.1	81.2	129.1	120.9	13887	25484	21478	60849	0.671	0.78	0.696	1.3	1.6	1.6	14.9	15.6	14.2
29-Dec-24	4:27:39 PM	49.93	254.8	252.9	255.1	81.2	129	119.7	13891	25463	21033	60387	0.671	0.78	0.689	1.2	1.6	1.6	14.5	15.4	14.4
29-Dec-24	4:27:40 PM	49.93	254.8	253	255.1	81.3	129	119.7	13919	25476	21037	60432	0.672	0.781	0.689	1.2	1.6	1.6	14.5	15.3	14.3
29-Dec-24	4:27:41 PM	49.93	254.9	253	255.2	81.4	128.9	119.7	13949	25464	21045	60458	0.672	0.781	0.689	1.2	1.7	1.6	14.5	15.3	14.3
29-Dec-24	4:27:42 PM	49.93	254.8	253	255.2	82.9	129	119.7	14508	25517	21051	61076	0.686	0.782	0.689	1.2	1.6	1.6	14	15.1	14.1
29-Dec-24	4:27:43 PM	49.93	254.9	253	255.2	82.8	128.9	119.7	14471	25481	21036	60988	0.686	0.781	0.689	1.2	1.6	1.6	14.3	15.4	14.4
29-Dec-24	4:27:44 PM	49.93	254.9	253	255.2	83	129	119.7	14520	25495	21027	61043	0.687	0.781	0.688	1.3	1.6	1.6	14.6	15.5	14.6

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	4:27:45 PM	49.94	254.9	253.1	255.2	81.7	129.1	119.7	14028	25509	21015	60552	0.674	0.781	0.688	1.2	1.6	1.6	14.6	15.6	14.6
29-Dec-24	4:27:46 PM	49.94	254.9	253.1	255.1	81.6	129	119.6	14023	25500	21011	60534	0.674	0.781	0.688	1.3	1.6	1.6	14.7	15.4	14.4
29-Dec-24	4:27:47 PM	49.94	254.9	253.1	255.2	82.2	129	119.6	14216	25508	21015	60738	0.679	0.781	0.688	1.2	1.6	1.6	14.3	15.3	14.2
29-Dec-24	4:27:48 PM	49.94	254.9	253.1	255.2	82.2	129.2	119.8	14208	25526	21045	60778	0.678	0.781	0.688	1.3	1.7	1.6	14.7	15.6	14.5
29-Dec-24	4:27:49 PM	49.94	255	253.1	255.2	81.5	129.2	119.8	13986	25525	21036	60546	0.673	0.781	0.688	1.3	1.7	1.6	14.9	15.6	14.6
29-Dec-24	4:27:50 PM	49.94	255	253.1	255.2	81.3	129.2	119.8	13919	25537	21038	60494	0.671	0.781	0.688	1.3	1.7	1.6	14.6	15.7	14.7
29-Dec-24	4:27:51 PM	49.94	255	253.1	255.2	81.3	129	119.7	13923	25502	21024	60449	0.672	0.781	0.688	1.2	1.7	1.6	13.9	15.5	14.4
29-Dec-24	4:27:52 PM	49.94	255	253.1	255.2	81.4	129	119.6	13964	25497	21027	60488	0.673	0.781	0.689	1.2	1.7	1.6	14	15.5	14.4
29-Dec-24	4:27:53 PM	49.94	255	253.1	255.2	81.3	129	119.6	13952	25516	21022	60489	0.673	0.781	0.689	1.1	1.7	1.6	13.5	15.3	14
29-Dec-24	4:27:54 PM	49.94	255	253.1	255.2	81.2	129.1	119.6	13929	25527	21022	60478	0.672	0.781	0.689	1.2	1.7	1.6	13.7	15.4	14.2
29-Dec-24	4:27:55 PM	49.94	255	253.1	255.2	81.3	129.1	119.6	13936	25528	21025	60490	0.673	0.781	0.689	1.2	1.6	1.5	13.7	15.4	14.1
29-Dec-24	4:27:56 PM	49.94	255	253.1	255.2	81.2	129.2	119.6	13925	25555	21034	60513	0.672	0.781	0.689	1.2	1.6	1.6	13.8	15.2	14
29-Dec-24	4:27:57 PM	49.94	255	253.1	255.2	81.2	129	119.6	13931	25496	21012	60438	0.673	0.781	0.689	1.2	1.6	1.5	13.6	15.3	13.9
29-Dec-24	4:27:58 PM	49.94	255	253.1	255.2	81.2	129	119.5	13931	25499	21003	60433	0.673	0.781	0.689	1.2	1.6	1.5	13.5	15.1	13.8
29-Dec-24	4:27:59 PM	49.94	255	253.1	255.2	82.1	129	119.4	14225	25504	20987	60716	0.68	0.781	0.688	1.2	1.6	1.6	13	15.1	13.9
29-Dec-24	4:28:00 PM	49.94	255	253.1	255.2	82	129	119.5	14193	25514	20995	60701	0.679	0.781	0.689	1.2	1.6	1.6	13.4	15.3	14
29-Dec-24	4:28:01 PM	49.94	255	253.1	255.2	81.8	129.2	119.4	14074	25540	20959	60574	0.675	0.781	0.688	1.2	1.6	1.6	14.1	15.5	14.4
29-Dec-24	4:28:02 PM	49.94	254.9	253.1	255.2	81.6	129.2	119.5	13976	25538	20983	60497	0.672	0.781	0.688	1.3	1.6	1.6	14.8	15.6	14.6
29-Dec-24	4:28:03 PM	49.94	255	253.1	255.2	81.4	129.1	119.6	13912	25509	20978	60399	0.67	0.78	0.688	1.3	1.7	1.6	15	15.6	14.7
29-Dec-24	4:28:04 PM	49.95	255	253.1	255.2	81.4	129	119.7	13901	25481	21016	60397	0.67	0.78	0.688	1.3	1.7	1.6	15.1	15.6	14.6
29-Dec-24	4:28:05 PM	49.95	255	253.1	255.2	81.4	129	119.5	13917	25489	20969	60375	0.67	0.78	0.687	1.3	1.6	1.6	14.9	15.6	14.7
29-Dec-24	4:28:06 PM	49.95	255	253.1	255.2	81.4	129.1	119.5	13931	25517	20966	60414	0.671	0.781	0.688	1.3	1.6	1.6	14.8	15.5	14.5
29-Dec-24	4:28:07 PM	49.95	255	253.1	255.2	81.4	129.1	119.5	13918	25536	20967	60421	0.671	0.782	0.688	1.3	1.6	1.6	14.6	15.4	14.5
29-Dec-24	4:28:08 PM	49.95	255	253.1	255.2	81.3	129.1	119.7	13897	25528	21021	60446	0.67	0.781	0.688	1.3	1.6	1.6	14.8	15.3	14.5
29-Dec-24	4:28:09 PM	49.95	255	253.1	255.2	81.3	129	119.6	13896	25494	20985	60374	0.67	0.781	0.688	1.3	1.6	1.6	14.9	15.5	14.6
29-Dec-24	4:28:10 PM	49.95	255	253.1	255.2	83.3	129	119.5	14607	25519	20978	61103	0.688	0.781	0.688	1.3	1.6	1.6	14.5	15.4	14.3
29-Dec-24	4:28:11 PM	49.95	254.9	253.1	255.2	85.2	128.7	119.5	15262	25461	20953	61676	0.703	0.781	0.687	1.3	1.6	1.6	13.7	15.6	14.6
29-Dec-24	4:28:12 PM	49.95	254.9	253.2	255.1	83.9	124.5	119.6	14826	23976	20971	59773	0.693	0.76	0.687	1.3	1.6	1.6	14.2	16.4	14.9
29-Dec-24	4:28:13 PM	49.95	254.9	253.2	255.1	83.5	124.4	119.5	14729	23943	20972	59643	0.692	0.76	0.688	1.3	1.6	1.5	14	16	14.1
29-Dec-24	4:28:14 PM	49.95	254.9	253.2	255.1	82.8	124.5	119.4	14518	23967	20978	59463	0.688	0.76	0.688	1.2	1.5	1.5	13.5	15.7	13.8
29-Dec-24	4:28:15 PM	49.95	254.9	253.2	255.1	82.7	124.4	119.4	14492	23954	20985	59431	0.687	0.76	0.689	1.2	1.6	1.5	12.5	15.5	13.5
29-Dec-24	4:28:16 PM	49.95	254.9	253.2	255.1	81.7	124.4	119.6	14107	23937	21015	59059	0.678	0.76	0.689	1.2	1.5	1.5	12.8	15.5	13.7
29-Dec-24	4:28:17 PM	49.95	255	253.2	255.1	81.2	124.4	119.4	13942	23942	20977	58862	0.674	0.76	0.689	1.2	1.5	1.5	12.8	15.3	13.5
29-Dec-24	4:28:18 PM	49.95	255	253.2	255.2	81.2	124.4	119.5	13959	23954	20988	58901	0.674	0.76	0.689	1.2	1.5	1.5	12.4	15.2	13.6
29-Dec-24	4:28:19 PM	49.95	255	253.2	255.2	81.1	124.3	119.5	13928	23931	20998	58856	0.674	0.76	0.689	1.2	1.5	1.5	12.5	15.3	13.6
29-Dec-24	4:28:20 PM	49.95	255	253.2	255.2	81.1	124.4	119.5	13919	23954	21000	58873	0.673	0.76	0.689	1.2	1.5	1.5	12.4	15.3	13.4
29-Dec-24	4:28:21 PM	49.95	254.9	253.2	255.2	82.3	124.4	119.6	14339	23949	21022	59310	0.684	0.761	0.689	1.1	1.5	1.5	12.1	15.2	13.4
29-Dec-24	4:28:22 PM	49.95	255	253.2	255.2	82.3	124.4	119.5	14367	23961	21009	59337	0.684	0.761	0.689	1.1	1.5	1.5	12	15.3	13.4
29-Dec-24	4:28:23 PM	49.95	255	253.2	255.2	82.3	124.3	119.5	14349	23938	21003	59290	0.684	0.76	0.689	1.2	1.5	1.5	12.1	15.2	13.4
29-Dec-24	4:28:24 PM	49.95	254.9	253.2	255.2	81.5	124.4	119.5	14085	23964	20990	59040	0.678	0.761	0.688	1.1	1.5	1.5	12.1	15.4	13.6
29-Dec-24	4:28:25 PM	49.95	254.9	253.2	255.2	81	124.4	119.4	13915	23961	20966	58843	0.674	0.761	0.688	1.1	1.5	1.5	12.4	15.2	13.5
29-Dec-24	4:28:26 PM	49.96	254.9	253.2	255.2	81	124.4	119.4	13924	23949	20978	58852	0.674	0.761	0.688	1.1	1.5	1.5	12	15.2	13.3

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	4:28:27 PM	49.96	254.9	253.1	255.2	81	124.4	119.4	13912	23943	20980	58835	0.674	0.761	0.689	1.1	1.5	1.4	11.5	15.1	12.9
29-Dec-24	4:28:28 PM	49.96	255	253.2	255.2	81.2	124.3	119.5	13960	23945	21012	58917	0.675	0.761	0.689	1.1	1.5	1.5	11.5	15	13.2
29-Dec-24	4:28:29 PM	49.96	254.9	253.2	255.2	81.4	124.4	119.6	13980	23949	21010	58939	0.674	0.76	0.688	1.1	1.5	1.5	13	15.5	13.7
29-Dec-24	4:28:30 PM	49.96	255	253.2	255.3	81.5	124.4	119.6	13987	23950	20985	58922	0.673	0.76	0.688	1.2	1.5	1.6	14.4	15.9	14.5
29-Dec-24	4:28:31 PM	49.96	255	253.2	255.3	81.5	124.4	119.5	13971	23928	20965	58864	0.673	0.76	0.687	1.3	1.6	1.6	14.5	15.9	14.2
29-Dec-24	4:28:32 PM	49.96	254.9	253.2	255.3	82.3	124.4	119.5	14279	23901	20973	59153	0.681	0.759	0.688	1.2	1.6	1.5	13.4	15.7	14
29-Dec-24	4:28:33 PM	49.96	255	253.2	255.3	82.2	124.4	119.6	14260	23892	20990	59142	0.68	0.758	0.688	1.2	1.5	1.6	13.6	15.9	14.2
29-Dec-24	4:28:34 PM	49.96	255	253.2	255.3	81.9	124.5	119.7	14124	23895	21007	59026	0.677	0.758	0.688	1.2	1.6	1.6	14.2	16.1	14.3
29-Dec-24	4:28:35 PM	49.97	254.9	253.2	255.2	81.5	124.4	119.6	14001	23901	20990	58893	0.674	0.759	0.688	1.2	1.6	1.6	14.4	16	14.4
29-Dec-24	4:28:36 PM	49.96	255	253.2	255.2	81.4	124.5	119.5	13988	23922	20985	58895	0.674	0.759	0.688	1.1	1.6	1.6	13.4	15.8	13.9
29-Dec-24	4:28:37 PM	49.97	255	253.2	255.2	81.4	124.4	119.5	13979	23880	20985	58844	0.674	0.758	0.688	1.2	1.6	1.4	13.5	15.9	13.9
29-Dec-24	4:28:38 PM	49.97	255	253.3	255.3	81.5	124.5	119.7	13976	23897	21019	58893	0.673	0.758	0.688	1.3	1.6	1.6	14.5	16	14.2
29-Dec-24	4:28:39 PM	49.97	255	253.3	255.3	81.4	124.6	119.6	13959	23937	21002	58899	0.672	0.759	0.688	1.2	1.6	1.5	14.6	16	14.3
29-Dec-24	4:28:40 PM	49.97	255	253.3	255.3	82.8	124.6	119.7	14476	23939	21046	59462	0.685	0.759	0.688	1.2	1.6	1.5	14.2	15.9	13.9
29-Dec-24	4:28:41 PM	49.97	255	253.3	255.3	82.8	124.4	119.6	14516	23893	20997	59407	0.687	0.758	0.688	1.2	1.6	1.5	13.6	15.8	13.9
29-Dec-24	4:28:42 PM	49.98	255	253.3	255.3	83.1	124.5	119.7	14557	23906	21018	59480	0.687	0.758	0.688	1.3	1.6	1.5	14.7	16.2	14.5
29-Dec-24	4:28:43 PM	49.98	255.1	253.3	255.3	81.5	124.6	119.7	13978	23925	21014	58917	0.672	0.758	0.687	1.3	1.7	1.6	14.9	16.4	14.5
29-Dec-24	4:28:44 PM	49.98	255.1	253.3	255.3	81.6	124.6	119.9	13975	23917	21050	58941	0.672	0.758	0.688	1.3	1.7	1.6	15.2	16.5	14.7
29-Dec-24	4:28:45 PM	49.98	255.1	253.3	255.4	82.4	124.7	119.7	14273	23953	21025	59251	0.679	0.758	0.688	1.3	1.7	1.6	14.6	16.6	14.6
29-Dec-24	4:28:46 PM	49.98	255.1	253.3	255.3	82.3	124.6	119.6	14260	23946	20991	59198	0.679	0.759	0.687	1.3	1.7	1.5	14.6	16.3	14.5
29-Dec-24	4:28:47 PM	49.98	255	253.3	255.3	82	124.6	119.7	14126	23983	21005	59114	0.676	0.76	0.687	1.3	1.7	1.6	14.5	16.2	14.5
29-Dec-24	4:28:48 PM	49.98	255	253.4	255.3	81.5	124.6	120.2	13987	23976	21288	59251	0.673	0.759	0.694	1.2	1.7	1.5	14.7	16.3	14.3
29-Dec-24	4:28:49 PM	49.98	255	253.3	255.2	81.5	124.6	120.3	13979	23987	21494	59460	0.673	0.76	0.7	1.2	1.7	1.5	14.3	16.2	14.4
29-Dec-24	4:28:50 PM	49.98	255	253.3	255.2	81.3	124.7	119.7	13953	23997	21176	59126	0.673	0.76	0.693	1.2	1.7	1.5	14.1	16.1	14.2
29-Dec-24	4:28:51 PM	49.98	255	253.3	255.2	81.5	124.6	119.6	14008	23978	21166	59153	0.674	0.76	0.693	1.2	1.7	1.5	13.4	15.8	14
29-Dec-24	4:28:52 PM	49.99	255	253.4	255.3	81.6	124.6	119.6	14003	23938	21159	59100	0.673	0.758	0.693	1.2	1.6	1.5	14	15.9	14
29-Dec-24	4:28:53 PM	49.99	255	253.4	255.3	81.4	124.6	119.7	13970	23966	21162	59097	0.673	0.759	0.693	1.2	1.7	1.5	14	15.9	14.2
29-Dec-24	4:28:54 PM	49.99	255	253.4	255.3	81.5	124.7	119.8	13974	23951	21208	59133	0.672	0.758	0.693	1.2	1.7	1.5	14.3	16.1	14.2
29-Dec-24	4:28:55 PM	49.99	255	253.4	255.3	81.4	124.6	119.7	13964	23946	21184	59094	0.673	0.758	0.693	1.2	1.6	1.6	14.4	16.1	14.4
29-Dec-24	4:28:56 PM	49.99	255	253.4	255.3	81.8	125.2	119.8	14226	24108	21197	59530	0.682	0.76	0.693	1.2	1.7	1.5	14	15.9	14
29-Dec-24	4:28:57 PM	49.99	255	253.3	255.3	82.3	128.8	119.7	14540	25280	21203	61024	0.693	0.775	0.694	1.2	1.7	1.5	14	15.1	14
29-Dec-24	4:28:58 PM	49.99	254.9	253.3	255.3	82.1	128.5	119.7	14510	25211	21201	60921	0.693	0.774	0.694	1.2	1.6	1.5	13.6	15.3	14
29-Dec-24	4:28:59 PM	49.99	254.9	253.3	255.3	82.6	128.7	120	14771	25277	21283	61331	0.701	0.775	0.695	1.2	1.6	1.5	13.7	15.4	14.1
29-Dec-24	4:29:00 PM	49.99	255	253.3	255.3	81.5	128.7	122.2	14493	25227	22126	61845	0.697	0.774	0.709	1.2	1.6	1.5	13.8	15.4	13.7
29-Dec-24	4:29:01 PM	49.99	254.9	253.3	255.2	81.3	128.7	120.3	14375	25224	21427	61026	0.693	0.774	0.698	1.2	1.6	1.5	13.9	15.4	14.1
29-Dec-24	4:29:02 PM	49.99	254.9	253.3	255.3	81.4	128.7	120.4	14414	25229	21445	61088	0.694	0.774	0.698	1.2	1.7	1.5	13.8	15.4	14.1
29-Dec-24	4:29:03 PM	49.99	255	253.3	255.3	81.3	128.9	121.1	14381	25280	21699	61359	0.693	0.774	0.702	1.2	1.7	1.5	14.2	15.4	13.8
29-Dec-24	4:29:04 PM	49.99	255	253.3	255.3	81.3	128.2	121.3	14359	25077	21777	61213	0.693	0.772	0.703	1.2	1.6	1.5	14.1	15.3	13.8
29-Dec-24	4:29:05 PM	49.99	254.9	253.3	255.2	81.2	125.8	120.6	14367	24319	21496	60182	0.694	0.763	0.698	1.2	1.6	1.5	13.9	15.7	13.9
29-Dec-24	4:29:06 PM	49.99	255	253.4	255.2	81.2	125.7	120.9	14367	24272	21572	60212	0.694	0.762	0.699	1.2	1.6	1.5	13.8	15.9	14
29-Dec-24	4:29:07 PM	49.99	255	253.4	255.2	81.2	127.8	124.1	14357	24917	22752	62025	0.693	0.769	0.718	1.2	1.6	1.5	13.9	15.5	13.5
29-Dec-24	4:29:08 PM	49.99	255.1	253.5	255.3	81.6	127.1	123.7	14488	24696	22622	61806	0.696	0.767	0.716	1.2	1.6	1.5	14.1	15.5	13.6

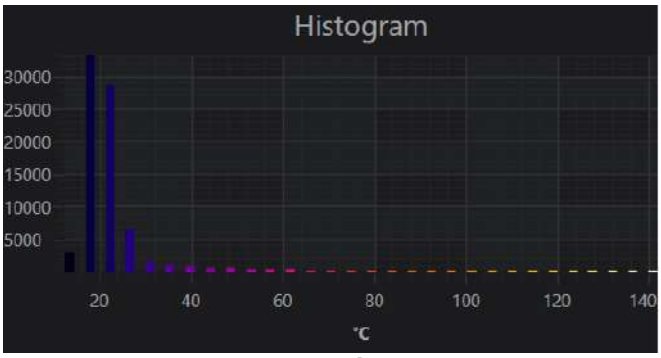
Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	4:29:09 PM	49.99	255	253.5	255.3	82	124.9	123.8	14660	24009	22633	61301	0.701	0.759	0.716	1.2	1.7	1.5	13.9	16	13.8
29-Dec-24	4:29:10 PM	49.99	255	253.5	255.3	82	124.9	122.7	14649	24017	22226	60892	0.7	0.759	0.71	1.2	1.6	1.6	13.8	15.9	13.8
29-Dec-24	4:29:11 PM	50	255	253.4	255.3	81.6	124.8	120.5	14485	23999	21427	59912	0.696	0.759	0.696	1.2	1.6	1.6	13.8	16	14.3
29-Dec-24	4:29:12 PM	50	255	253.4	255.3	81.5	124.7	120	14414	23980	21238	59631	0.694	0.759	0.693	1.2	1.6	1.6	13.9	15.8	14.1
29-Dec-24	4:29:13 PM	50	255.1	253.5	255.4	81.4	125.3	120	14406	24207	21270	59883	0.694	0.762	0.694	1.2	1.6	1.6	13.8	16	14
29-Dec-24	4:29:14 PM	50	255.1	253.4	255.4	81.4	129.2	120.1	14385	25585	21301	61271	0.693	0.782	0.694	1.2	1.6	1.6	13.9	15.5	14.1
29-Dec-24	4:29:15 PM	50	255	253.3	255.3	81.4	130	120	14383	25928	21283	61594	0.693	0.787	0.695	1.2	1.6	1.6	13.8	15	13.9
29-Dec-24	4:29:16 PM	50	255	253.3	255.3	81.3	129.5	120.5	14364	25746	21449	61559	0.693	0.785	0.697	1.2	1.6	1.6	14	15.1	14
29-Dec-24	4:29:17 PM	50	255	253.3	255.2	81.2	128.2	122.9	14361	25337	22314	62013	0.693	0.78	0.711	1.2	1.6	1.5	14	15.3	13.4
29-Dec-24	4:29:18 PM	50	255	253.3	255.2	81.4	127.8	122.8	14397	25197	22312	61905	0.694	0.778	0.712	1.2	1.6	1.5	13.9	15.5	13.6
29-Dec-24	4:29:19 PM	50	255	253.4	255.2	82.4	127.8	123.1	14776	25202	22396	62374	0.703	0.778	0.713	1.2	1.6	1.6	14	15.4	13.6
29-Dec-24	4:29:20 PM	50	255	253.4	255.2	82.4	127.9	123	14763	25235	22353	62351	0.703	0.779	0.712	1.2	1.6	1.6	13.5	15.3	13.5
29-Dec-24	4:29:21 PM	50	255	253.5	255.3	82.4	126.5	121.4	14755	24797	21796	61348	0.702	0.773	0.703	1.2	1.6	1.5	13.5	15.3	13.4
29-Dec-24	4:29:22 PM	50	255.1	253.5	255.3	81.8	125.8	120.1	14544	24589	21286	60419	0.697	0.771	0.694	1.2	1.6	1.5	13.3	15.7	13.5
29-Dec-24	4:29:23 PM	50	255.1	253.5	255.3	81.4	124.6	120	14440	24208	21268	59916	0.695	0.766	0.694	1.2	1.6	1.5	13.3	15.6	13.6
29-Dec-24	4:29:24 PM	50.01	255.1	253.5	255.3	81.2	124.2	122.3	14361	24083	22125	60569	0.694	0.765	0.708	1.2	1.6	1.5	13.3	15.7	13.7
29-Dec-24	4:29:25 PM	50.01	255.1	253.6	255.3	81.1	124.2	124.2	14333	24058	22830	61222	0.693	0.764	0.72	1.2	1.6	1.5	13.7	15.7	13.2
29-Dec-24	4:29:26 PM	50.01	255.1	253.6	255.3	81.1	124.8	124.2	14337	24258	22826	61421	0.693	0.766	0.72	1.2	1.6	1.5	13.8	15.6	13
29-Dec-24	4:29:27 PM	50.01	255.1	253.5	255.3	81.4	126.1	124.2	14444	24679	22826	61949	0.695	0.772	0.72	1.2	1.6	1.5	13.6	15.2	13
29-Dec-24	4:29:28 PM	50.01	255.1	253.6	255.3	82.1	124.3	124.2	14679	24093	22825	61596	0.701	0.764	0.72	1.2	1.6	1.5	13.8	15.7	13.1
29-Dec-24	4:29:29 PM	50.01	255.1	253.6	255.3	82.1	124.3	124.2	14680	24099	22835	61614	0.701	0.764	0.72	1.2	1.6	1.5	13.4	15.6	13.1
29-Dec-24	4:29:30 PM	50.02	255.1	253.6	255.3	81.9	124.2	124.3	14625	24045	22855	61525	0.7	0.764	0.72	1.2	1.6	1.5	13.5	15.6	13.2
29-Dec-24	4:29:31 PM	50.02	255.1	253.6	255.3	81.4	125.3	124.3	14433	24390	22847	61670	0.695	0.768	0.72	1.2	1.6	1.5	14	15.7	13.2
29-Dec-24	4:29:32 PM	50.02	255.1	253.6	255.3	81.5	125.4	124.3	14443	24435	22836	61715	0.695	0.768	0.72	1.2	1.6	1.5	14	15.4	13.2
29-Dec-24	4:29:33 PM	50.02	255.1	253.6	255.3	81.4	124.3	124.2	14419	24079	22806	61304	0.695	0.764	0.719	1.2	1.6	1.5	13.9	15.8	13.4
29-Dec-24	4:29:34 PM	50.02	255.1	253.6	255.3	81.3	124.2	124.2	14396	24053	22802	61251	0.694	0.763	0.719	1.2	1.6	1.5	14	15.9	13.5
29-Dec-24	4:29:35 PM	50.02	255.1	253.6	255.4	81.3	125.7	124.2	14388	24516	22813	61716	0.693	0.769	0.719	1.2	1.6	1.5	14.1	15.8	13.5
29-Dec-24	4:29:36 PM	50.02	255.1	253.6	255.4	81.3	125.4	125.6	14364	24413	23279	62056	0.693	0.767	0.726	1.2	1.6	1.5	14.2	15.5	13.4
29-Dec-24	4:29:37 PM	50.02	255.1	253.6	255.3	81.2	124.6	126.4	14327	24130	23567	62025	0.692	0.764	0.73	1.2	1.7	1.5	14.3	15.8	13.2
29-Dec-24	4:29:38 PM	50.03	255.1	253.6	255.3	82.1	124.3	125.2	14654	24074	23135	61863	0.699	0.764	0.724	1.2	1.6	1.5	14.4	15.8	13.2
29-Dec-24	4:29:39 PM	50.03	255.1	253.6	255.4	82.7	124.4	124.5	14890	24096	22911	61898	0.705	0.764	0.72	1.2	1.6	1.5	14.2	15.8	13.6
29-Dec-24	4:29:40 PM	50.03	255.1	253.5	255.4	82.7	127.2	121.9	14873	24995	21926	61794	0.705	0.775	0.704	1.2	1.6	1.5	14.4	15.3	13.3
29-Dec-24	4:29:41 PM	50.03	255.1	253.4	255.4	82.6	127.5	120.4	14801	25118	21170	61089	0.702	0.777	0.688	1.2	1.6	1.5	13.7	15.2	13.7
29-Dec-24	4:29:42 PM	50.03	255.1	253.4	255.4	82.3	127.4	120.6	14447	25090	21208	60745	0.688	0.777	0.689	1.2	1.5	1.5	13.3	14.8	13.4
29-Dec-24	4:29:43 PM	50.03	255.1	253.4	255.4	83.4	128.9	121.8	14828	25567	21659	62054	0.697	0.783	0.696	1.1	1.6	1.4	13.3	15	13.5
29-Dec-24	4:29:44 PM	50.03	255.1	253.4	255.4	85	131.2	124.1	15442	26310	22522	64274	0.712	0.792	0.711	1.2	1.5	1.5	12.8	14.3	13.1
29-Dec-24	4:29:45 PM	50.03	255.1	253.5	255.4	85	129.4	124.1	15457	25781	22513	63751	0.713	0.786	0.71	1.2	1.5	1.5	12.8	14.6	13.1
29-Dec-24	4:29:46 PM	50.03	255.1	253.5	255.4	84.9	128.2	124.1	15418	25392	22515	63325	0.712	0.781	0.71	1.1	1.5	1.5	13	15.1	13.3
29-Dec-24	4:29:47 PM	50.03	255.2	253.5	255.5	83.7	128.2	122.7	14958	25368	22006	62333	0.701	0.781	0.702	1.1	1.5	1.5	12.9	14.8	13.1
29-Dec-24	4:29:48 PM	50.03	255.2	253.5	255.5	81.4	127.9	120.6	14128	25277	21207	60611	0.68	0.78	0.688	1.1	1.5	1.5	13.4	15.2	13.5
29-Dec-24	4:29:49 PM	50.03	255.2	253.5	255.5	81.4	126.7	120.7	14125	24944	21228	60296	0.68	0.776	0.688	1.2	1.5	1.5	13.6	15.2	13.6
29-Dec-24	4:29:50 PM	50.03	255.3	253.6	255.6	81.5	125	120.7	14134	24348	21235	59716	0.679	0.768	0.688	1.2	1.7	1.5	13.7	15.4	13.8

Date:	Time:	Frequency	Voltage (Volt)			Current (Amp)			Load (W)			Total Load	Power factor			V THD (%)			A THD (%)		
		Hz	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	(W)	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase	R-Phase	Y-Phase	B-Phase
29-Dec-24	4:29:51 PM	50.04	255.3	253.6	255.6	81.5	125.1	120.7	14121	24357	21216	59694	0.679	0.768	0.688	1.2	1.5	1.5	14.3	15.7	14
29-Dec-24	4:29:52 PM	50.04	255.3	253.6	255.6	81.7	125.8	120.7	14153	24561	21219	59933	0.679	0.77	0.688	1.2	1.7	1.6	14.7	16	14.3
29-Dec-24	4:29:53 PM	50.04	255.3	253.7	255.6	82.2	125	122.7	14323	23996	21935	60254	0.683	0.757	0.699	1.2	1.7	1.6	15.2	16.4	14.2
29-Dec-24	4:29:54 PM	50.04	255.2	253.6	255.5	82.4	125.5	122.5	14405	24163	21859	60427	0.685	0.759	0.698	1.3	1.7	1.6	14.9	16.3	14.7
29-Dec-24	4:29:55 PM	50.04	255.2	253.6	255.6	82.3	125.1	120.7	14381	24078	21220	59678	0.685	0.759	0.688	1.3	1.6	1.5	14.7	16	14
29-Dec-24	4:29:56 PM	50.04	255.3	253.6	255.6	81.5	125.2	120.6	14140	24102	21215	59457	0.68	0.759	0.688	1.2	1.6	1.5	14.5	15.9	13.8
29-Dec-24	4:29:57 PM	50.04	255.3	253.6	255.6	81.3	124.7	120.5	14117	23954	21201	59272	0.68	0.757	0.688	1.2	1.6	1.5	13.4	15.4	13.3
29-Dec-24	4:29:58 PM	50.04	255.2	253.6	255.6	81.3	125.6	120.5	14128	24245	21204	59577	0.681	0.761	0.689	1.2	1.6	1.5	13	15.5	13
29-Dec-24	4:29:59 PM	50.05	255.1	253.6	255.6	84.3	124.2	120.5	15837	23857	21215	60910	0.736	0.757	0.689	1.1	1.6	1.5	12	15.1	12.7
Minimum		49.86	254.2	252.4	254.6	80.6	124.2	119	13887	23857	20953	58835	0.67	0.757	0.687	1	1.5	1.4	11.5	14	11.3
Maximum		50.05	255.3	253.7	255.6	88.3	137.0	132.9	17142	28028	26088	69656	0.764	0.81	0.771	1.3	1.7	1.6	15.5	16.6	14.9
Average		49.93	254.7	252.99	255.05	82.40	129.1	123	14639	25504	22232	62375	0.70	0.78	0.71	1.20	1.61	1.51	13.72	15.19	13.48

Annexure-A

630KVA Transformer Main Incomer cable Termination

Visible Light Image



Graph

Image Info

Background temperature	21.7°C
Emissivity	0.95
Average Temperature	21.9°C
Image Range	19.7°C to 48.6°C
Camera Model	TiS45
IR Sensor Size	160 x 120
Calibration Range	-20.0°C to 80.0°C

Main Image Markers

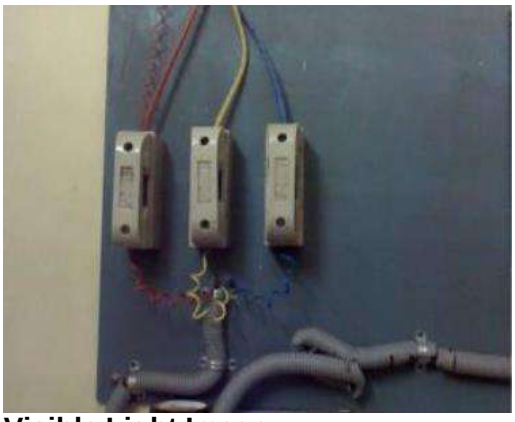
Name	Temperature	Emissivity	Background
Centerpoint	19.2°C	0.95	21.7°C
Hot	142.9°C	0.95	21.7°C
Cold	11.8°C	0.95	21.7°C
P0	29.5°C	0.95	21.7°C

Remark: In the above thermogram the temperature varies from 11.8°C-142.9°C and the Temperature difference (ΔT) is 131.1°C.

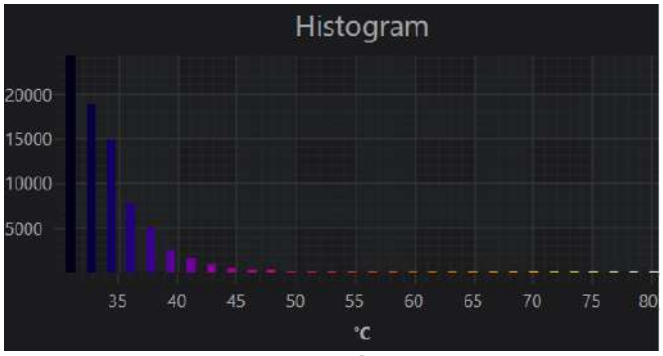
As per NFPA & NETA guidelines the about thermogram is classified as **Alarming**. This may be due to lose connections or poor lug crimping and it is recommended to retighten the connection & recrimp the cable terminal properly.

Alarming: Delta T temperature is more than 15°C.

Fuse unit of the 25HP Submersible Pump



Visible Light Image



Graph

Image Info

Background temperature	21.7°C
Emissivity	0.95
Average Temperature	33.9°C
Image Range	30.24°C to 80.25°C
Camera Model	TiS45
IR Sensor Size	160 x 120
Calibration Range	-20.0°C to 80.0°C

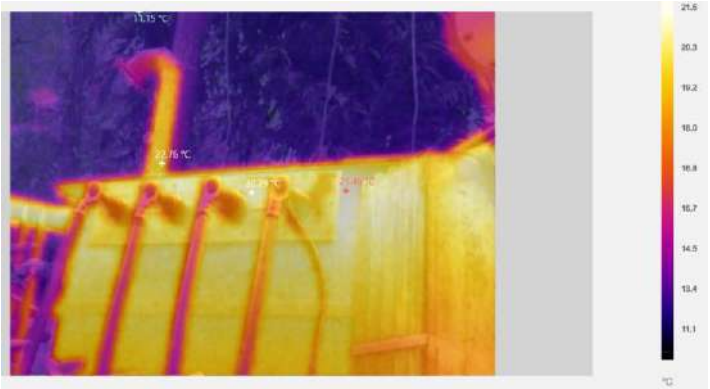
Main Image Markers

Name	Temperature	Emissivity	Background
Centerpoint	33.4°C	0.95	21.7°C
Hot	80.2°C	0.95	21.7°C
Cold	30.2°C	0.95	21.7°C
P0	35.2°C	0.95	21.7°C

Remark: In the above thermogram the temperature varies from 30.2°C-80.2°C and the Temperature difference (ΔT) is 50.0°C.

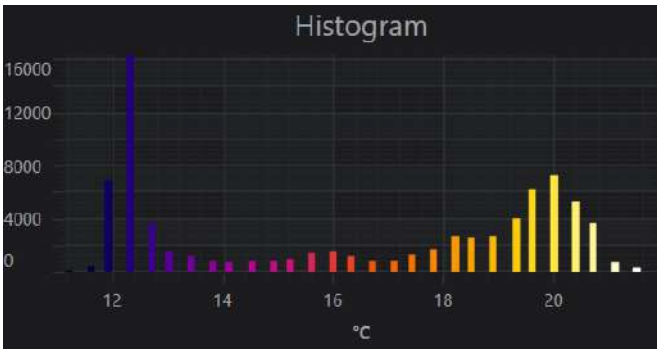
As per NFPA & NETA guidelines the about thermogram is classified under **Alarming**. This may be due to lose connections or poor lug crimping and it is recommended to retighten the connection & recrimp the cable terminals property.

Alarming: Delta T temperature is more than 15°C.



100KVA transformer LT side cable Terminantion (Near Guest House)

Visible Light Image



Graph

Image Info

Background temperature	21.7°C
Emissivity	0.95
Average Temperature	16.2°C
Image Range	11.15°C to 21.46°C
Camera Model	TiS45
IR Sensor Size	160 x 120
Calibration Range	-20.0°C to 350.0°C

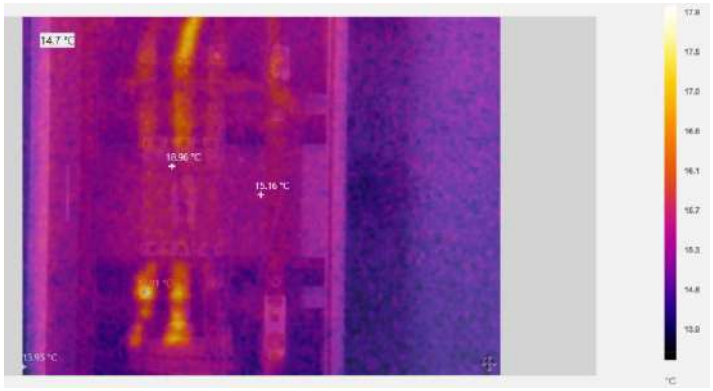
Main Image Markers

Name	Temperature	Emissivity	Background
Centerpoint	20.8°C	0.95	21.7°C
Hot	21.5°C	0.95	21.7°C
Cold	11.1°C	0.95	21.7°C
P0	19.3°C	0.95	21.7°C

Remark: In the above thermogram the temperature varies from 11.1°C-21.5°C and the Temperature difference (ΔT) is 0.6°C.

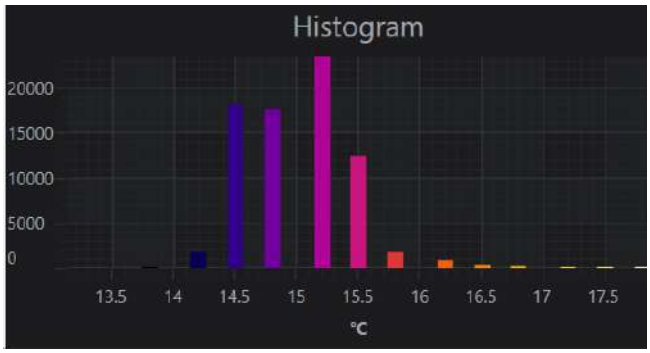
As per NFPA & NETA guidelines the about thermogram is classified as **Normal**.

Normal: Delta T temperature is less than 1°C.



Main MCCB

Visible Light Image



Graph

Image Info

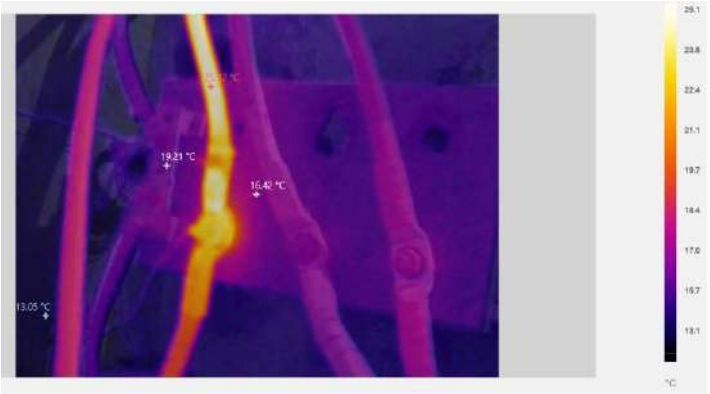
Background temperature	21.7°C
Emissivity	0.95
Average Temperature	15.0°C
Image Range	13.95°C to 17.91°C
Camera Model	TiS45
IR Sensor Size	160 x 120
Calibration Range	-20.0°C to 80.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
Centerpoint	15.2°C	0.95	21.7°C
Hot	17.9°C	0.95	21.7°C
Cold	13.9°C	0.95	21.7°C
P0	15.4°C	0.95	21.7°C

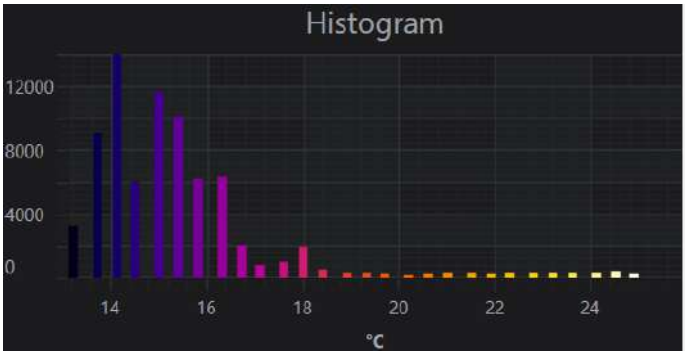
Remark: In the above thermogram the temperature varies from 13.9°C-17.9°C and the Temperature difference (ΔT) is 2.7°C.
As per NFPA & NETA guidelines the about thermogram is classified as **Check and Monitor**. This may be due to lose connections or poor lug crimping and it is recommended to retighten the connection & recrimp the cable terminals properly.

Check and Monitor: Delta T temperature is more than 1°C but less than 4°C.



Transfomer (400KVA) Main Incomer Cable Terminantion

Visible Light Image



Graph

Image Info

Background temperature	21.7°C
Emissivity	0.95
Average Temperature	15.3°C
Image Range	13.05°C to 25.12°C
Camera Model	TiS45
IR Sensor Size	160 x 120
Calibration Range	-20.0°C to 80.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
Centerpoint	16.4°C	0.95	21.7°C
Hot	25.1°C	0.95	21.7°C
Cold	13.1°C	0.95	21.7°C
P0	15.7°C	0.95	21.7°C

Remark: In the above thermogram the temperature varies from 13.1°C-25.1°C and the Temperature difference (ΔT) is 8.7°C.

As per NFPA & NETA guidelines the about thermogram is classified as **Caution**. This may be due to lose connections or poor lug crimping and it is recommended to retighten the connection & recrimp the cable terminals properly.

Caution: Delta T temperature is more than 4°C and less than 15°C.