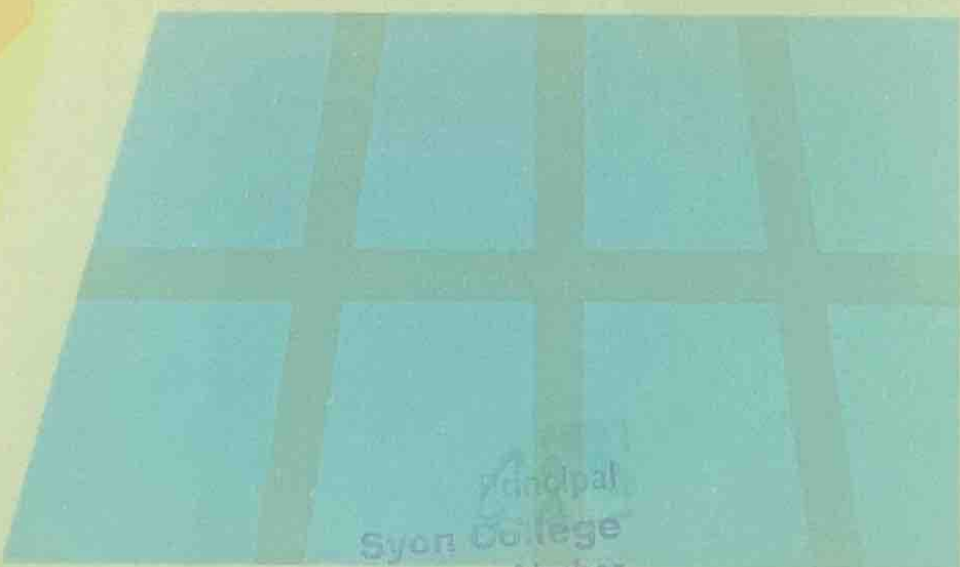


SYON COLLEGE

ENERGY AUDIT



Principal
Syon College
Abohar



No.: 03AAIFH5864R1ZQ



 JAKSON

Hi-TECH SOLAR SOLUTIONS

(A GOVT. APPROVED COMPANY)

Certificate

This is to certify that Energy Audit at Syon College, K.M.-7, Hanumangarh Road, Abohar-152116 (Pb.) was carried out on dated April 29th, 2024.

It is found that sustainable measures are taken by the campus in reduction of its energy consumption. Several measures such as installation of solar power plant and installation of LED lights are taken by college management for promoting energy efficiency.

Certificate No. : HSS/24RC290424

<i>Date of initial registration</i>	<i>:</i>	<i>28th March, 2024</i>
<i>First Surveillance Audit on or before</i>	<i>:</i>	<i>29th April, 2024</i>
<i>Second Surveillance Audit on or before</i>	<i>:</i>	<i>29th April, 2025</i>
<i>Re-certification Due</i>	<i>:</i>	<i>29th April, 2025</i>

*This certificate is property of HSS and remains valid
subject to satisfactory surveillance audits.*



Audit Officer

Principal
Syon College
Abohar

Office: 44, New Grain Market, Abohar 152116 (Pb.)
Email: hitechabohar@gmail.com



Syon College

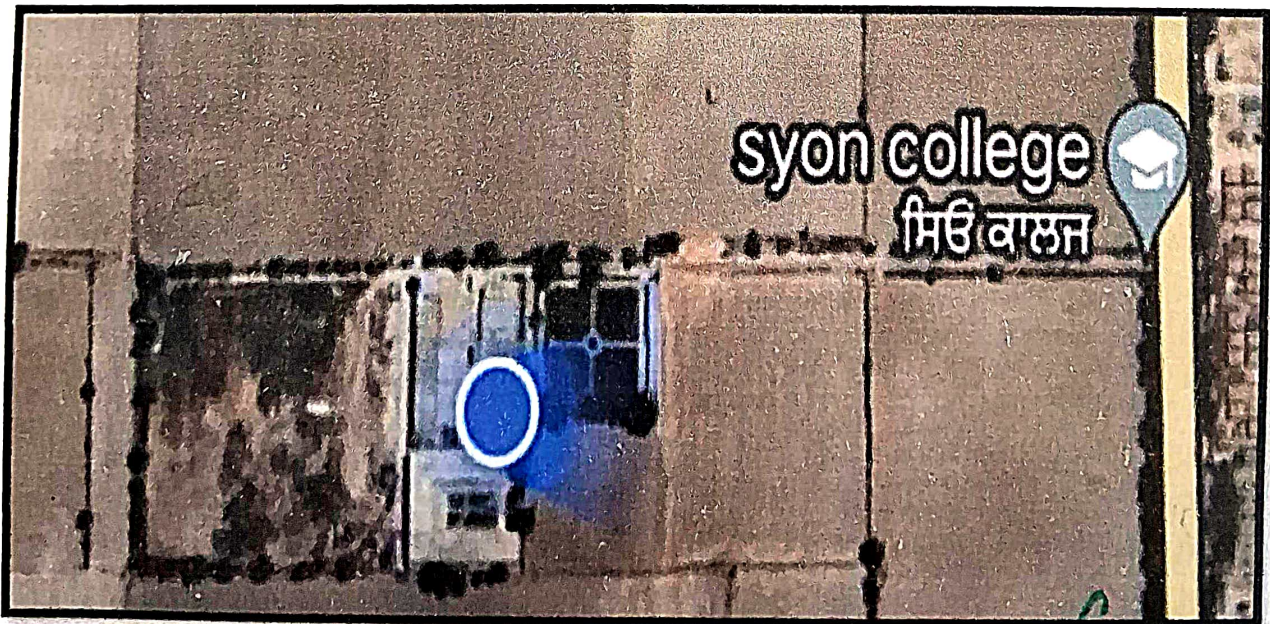
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K.M.-7, Hanumangarh Road, Abohar

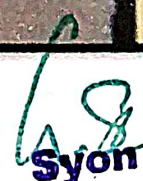
ENERGY AUDIT REPORT OF SYON COLLEGE, ABOHAR

COLLEGE OVERVIEW



GEO LOCATION




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- Findings and Analysis

1. ENERGY USAGE

Current Status:

Electricity Consumption: The college uses electricity primarily for lighting, air conditioning, and laboratory equipment.

Renewable Energy: There is Solar Panel for utilization of renewable energy sources.

Analysis:

Total energy consumption is determined as 37kWh/month by major energy consuming equipment. College has provided class rooms and laboratories with proper light and ventilation provision for energy conservation. Earth Leakage Circuit Breaker has been installed at various locations on the campus to prevent current leakage and protect other electrical installations. College has placed notice boards for employees and students to off the lights and fans whenever not needed also Conducted internal Energy Audit Regular maintenance of electrical appliances to save the energy consumption Collage has used of Light Emitting Diode (LED) and Compact Fluorescent Lights (CFL) bulbs which have revolutionized energy-efficient lighting. Equipment like Computers is used with power saving mode. The electricity was shut down after occupancy time as one of the practices for energy conservation.

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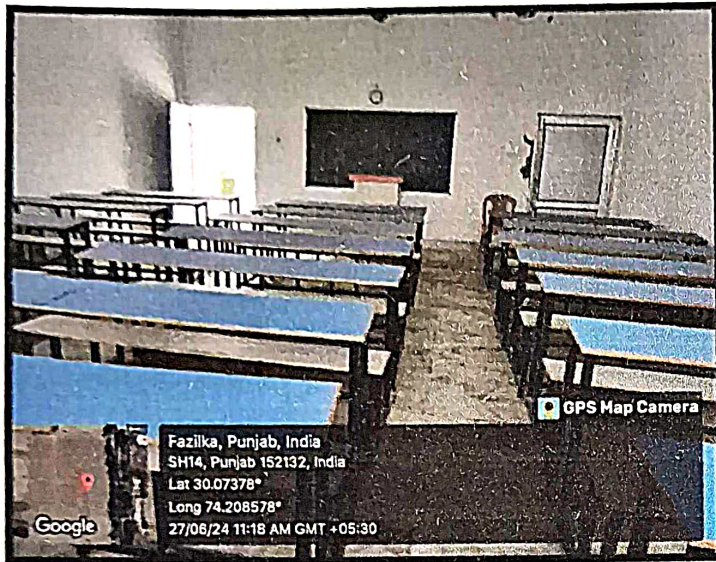
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CLASSROOMS AND LABS WITH NATURAL LIGHT AND VENTILATION



CAMPUS WITH NATURAL LIGHT AND VENTILATION



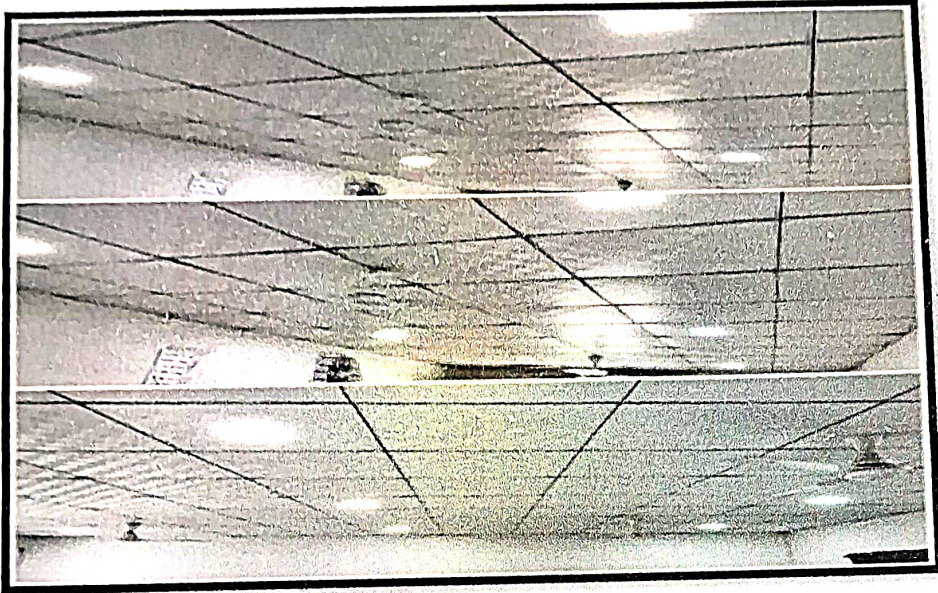
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USE OF COST-EFFECTIVE LED LIGHTS



PREFERENCE TO OUTDOOR GAMES AND OPEN GYM



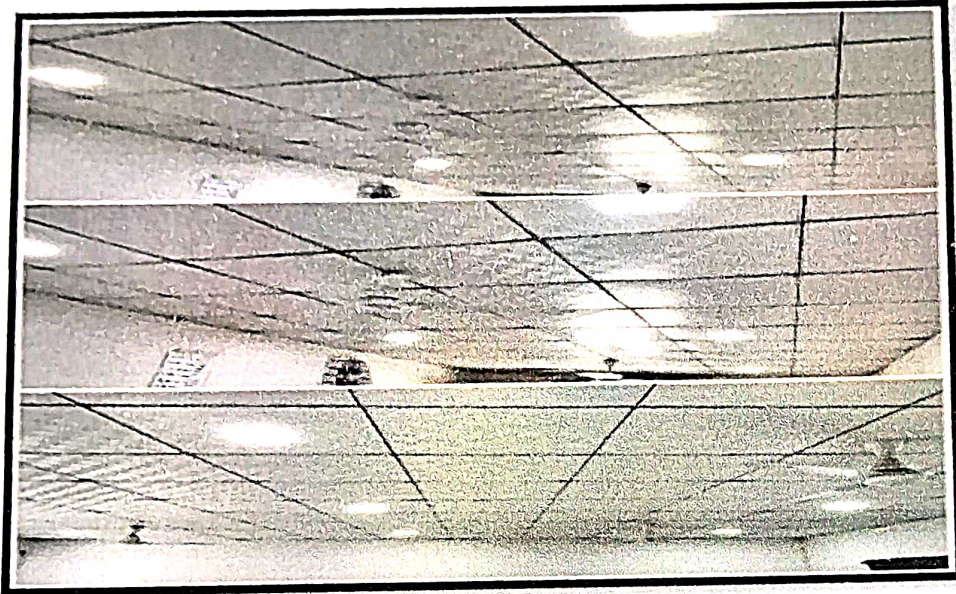
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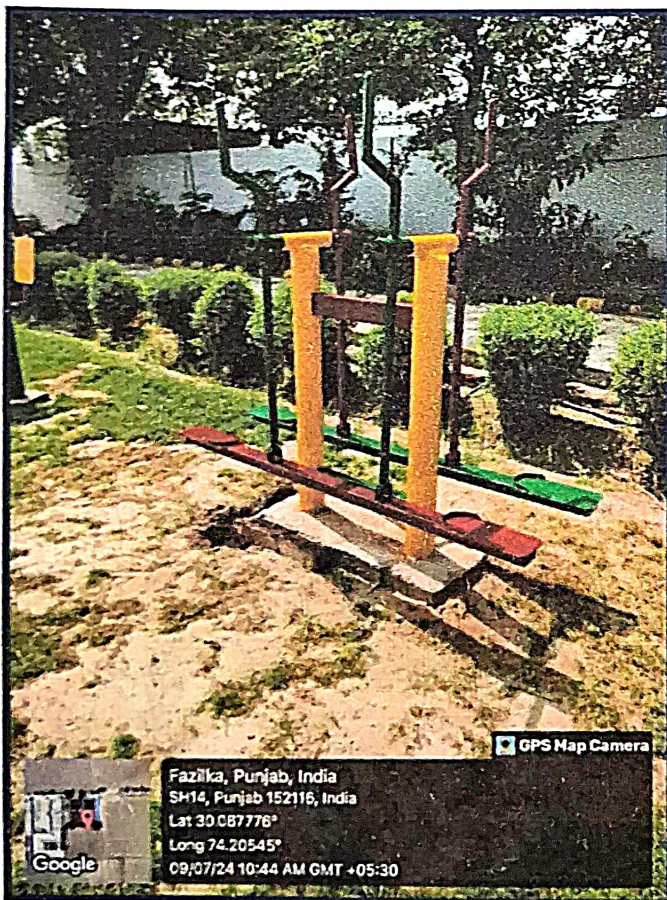
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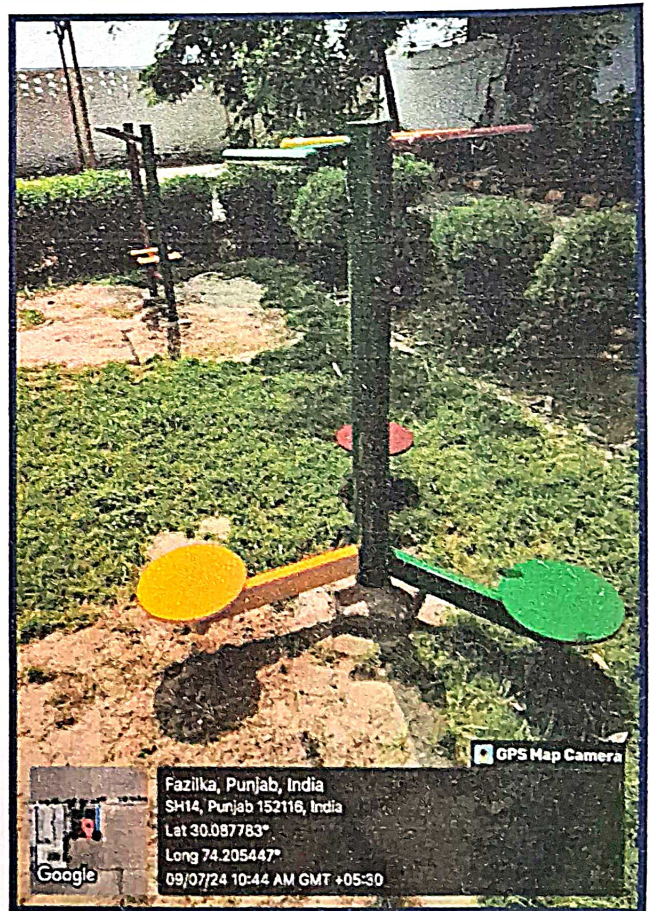
OPEN GYM



Fazilka, Punjab, India
SH14, Punjab 152116, India
Lat 30.087779°
Long 74.205429°
09/07/24 10:44 AM GMT +05:30



Fazilka, Punjab, India
SH14, Punjab 152116, India
Lat 30.087776°
Long 74.20545°
09/07/24 10:44 AM GMT +05:30



Fazilka, Punjab, India
SH14, Punjab 152116, India
Lat 30.087783°
Long 74.205447°
09/07/24 10:44 AM GMT +05:30

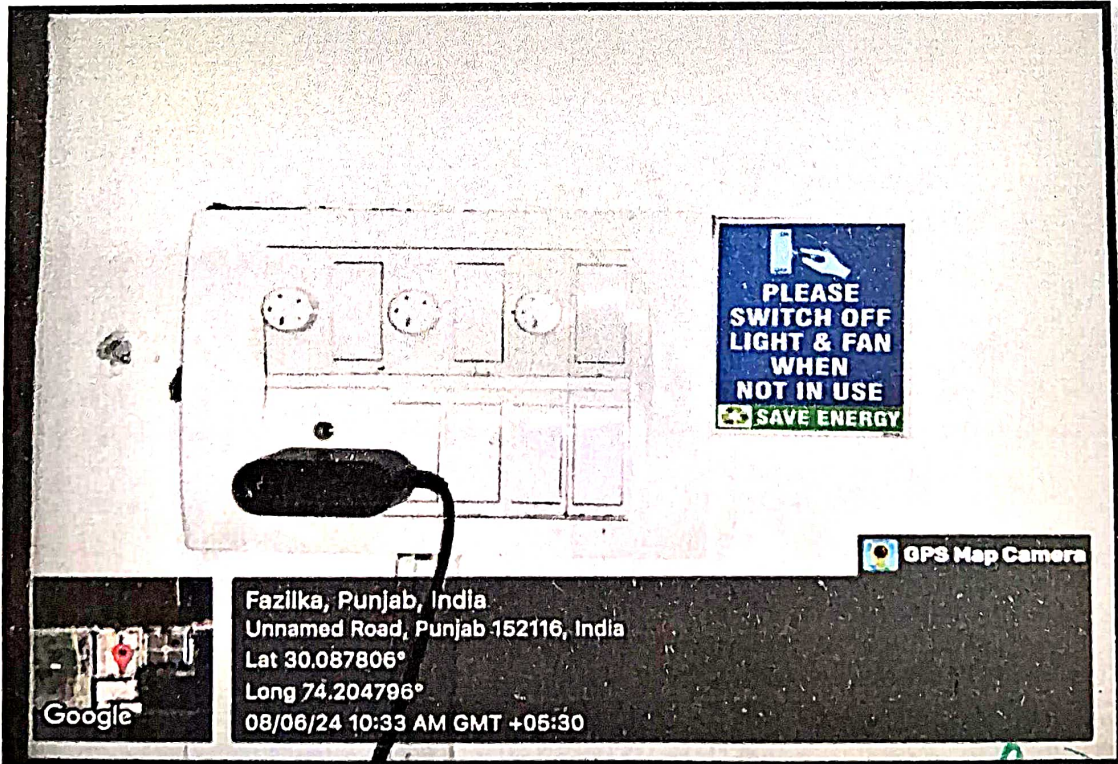
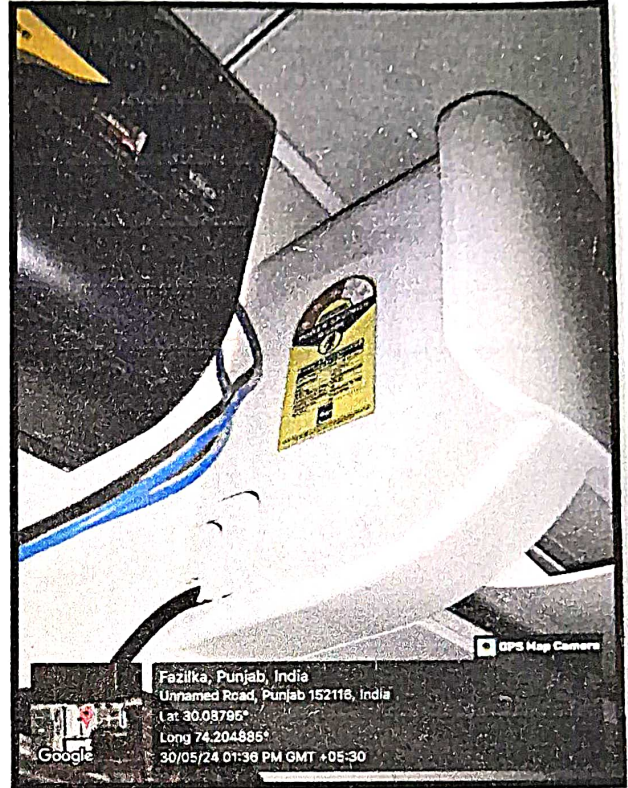
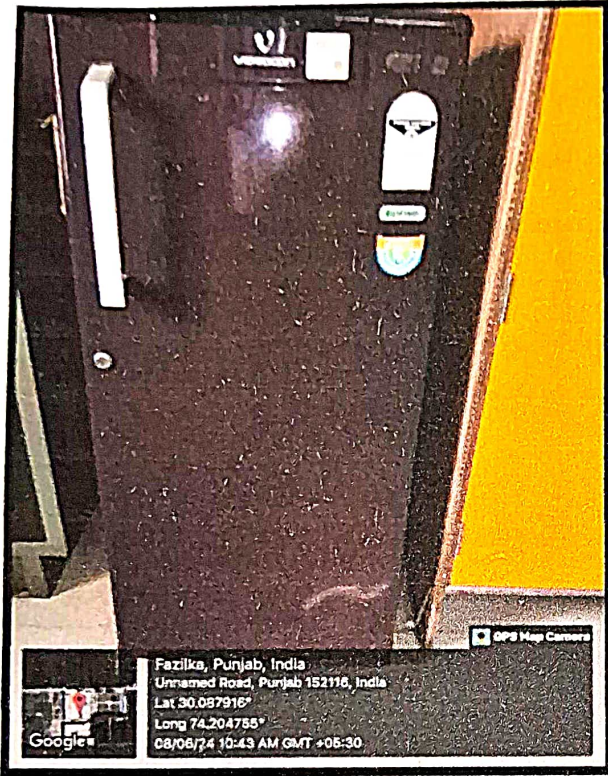
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ENERGY EFFICIENT ELECTRICAL APPLIANCE AND SIGNAGE TO SAVE ENERGY



[Signature]
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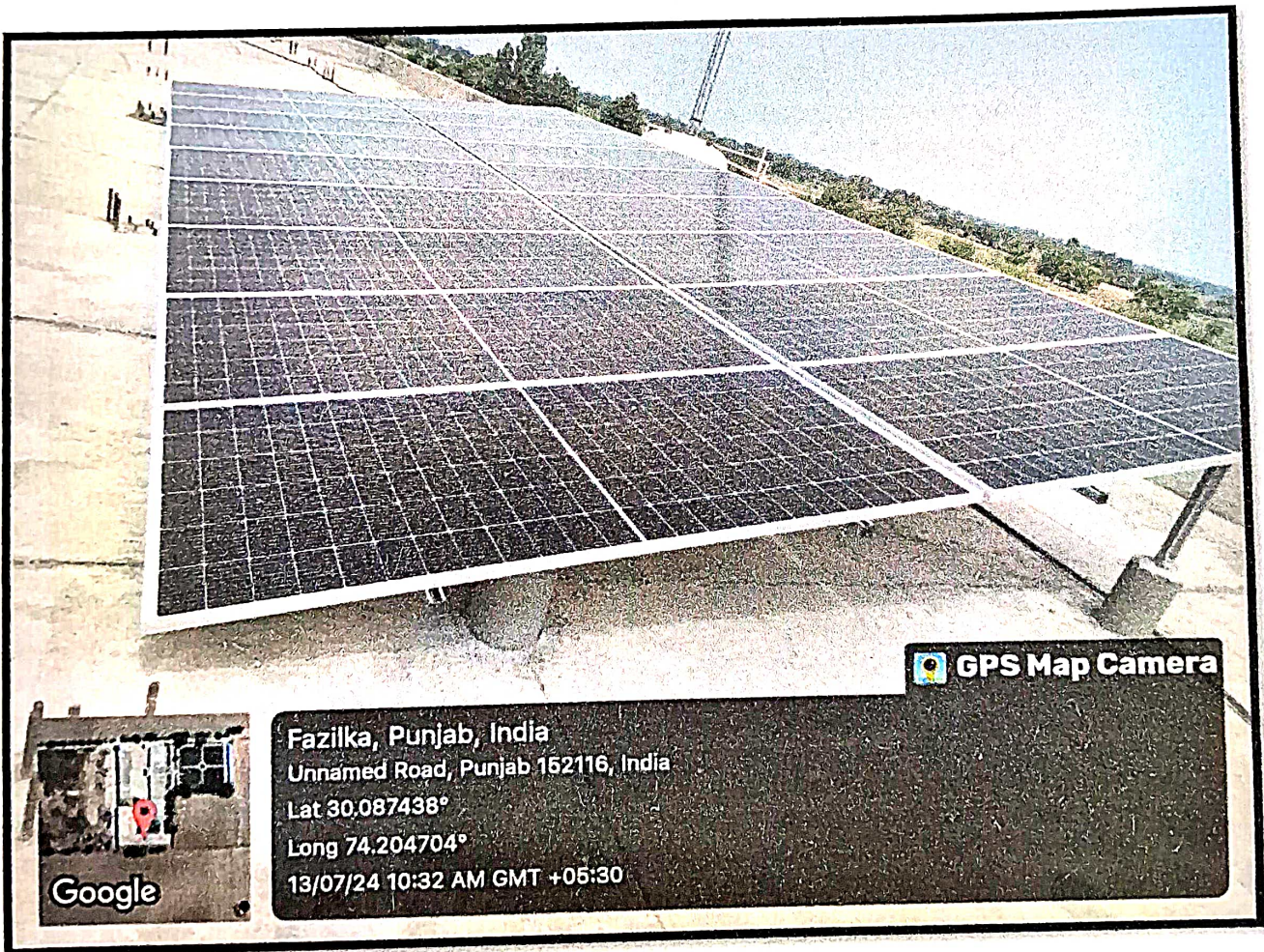
SOLAR PANEL AS AN ALTERNATE SOURCE OF ENERGY

Solar System Details:-

Total Solar Panel:18

Power generated per panel : 555WP.

Total Power generation by 18 Panel:10KW,.



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Action taken reports and achievement report as Clean and Green Campus Initiatives Report for Electrical System

Sr. No.	Observation by (Auditing Team)	Suggestions by (Auditing Team)	Action Taken by (Institution)
1	All the lamps are replaced with LED	Some of the lamps are being replaced expediently	Remaining lamps are also replaced by LED
2	Class Rooms and campus with natural light and well ventilated	Class Rooms and campus with natural light and well ventilated	Infrastructure maintained with proper natural light and ventilation
3	Most of the Electrical Appliances are energy efficient with Star rating of 3 and above	Most of the Air Conditioners units are energy efficient with Star rating of 3 and above	Electrical Appliances are purchased with star ratings only.
4	The temperature is maintained at 24°C to 25 °C for air conditioning spaces, which is within the recommended values	The temperature is maintained at 24°C to 25°C for air conditioning spaces, which is within the recommended values	ACs are maintained at 24°C to 25°C. Observed the recommended values.
5	The gadgets are serviced properly and maintained in good condition	The gadgets are serviced properly and maintained in good condition	Gadgets maintenance and Services are regularly observed.
6	Signage to unplug and turn off electrical appliances when not in use or after use	Signage to unplug and turn off electrical appliances when not in use or after use	Strict instructions are given to faculty, staff and students to unplug and turn off electrical appliances when not in use or after use

Syon College
Abohar