Amritsar Group of Colleges, Amritsar

7.1.6 Quality audits on environment and energy regularly undertaken by the Institution and any awards received for such green campus initiatives:

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions / awards
5. Beyond the campus environmental promotion activities

Sr. No.	Supporting Document	Please Click here
1.	Green audit Report	https://agcamritsar.in/pl/Green-Audit.pdf
2.	Energy audit Report	https://agcamritsar.in/pl/Enegy-Audit-Report.pdf
3.	Environment audit	https://agcamritsar.in/pl/Environment-Audit.pdf
4.	Clean and green campus recognitions / awards	https://agcamritsar.in/pl/Clean-and-green-campus-recognitions-awards.pdf
5.	Beyond the campus environmental promotion activities	https://agcamritsar.in/pl/Beyond-the-Campus-environment-promotion-activities.pdf

Amritsar Group of Colleges, Amritsar (formly known as Amritsar College of Engineering and Technology) was started in the year 2002. Since then, it has grown with time. At present, the Institute runs several UG and PG programmes. AGC has an eco-friendly environment. It has a long legacy of healthy environmental practices including periodic plantation, their preservation and maintenance.

GREEN AUDIT

Green Audit is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of various establishments. It aims to analyze environmental practices within and outside of the concerned sites, which will have an impact on the eco-friendly ambience. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more prevalent. The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institutes which will lead for sustainable development and at the same time reduce a sizable amount of atmospheric carbon-di-oxide from the environment. The National Assessment and Accreditation Council, New Delhi (NAAC) has made it mandatory that all Higher Educational Institutions should submit an annual Green Audit Report. Moreover, it is part of Corporate Social Responsibility of the Higher Educational Institutions to ensure that they contribute towards the reduction of global warming.

The purpose of the green audit of Amritsar Group of Colleges, Amritsar is to ensure that the practices followed in the campus are in accordance with the Green Policy adopted by the institution. The methodology include: physical inspection of the campus, observation and review of the documentation, interviewing key persons, measurements and recommendations. The Institute has adopted the ‘Green Campus’ system for environmental conservation and sustainability. There are main three pillars i.e. zero environmental foot print, positive impact on occupant health and performance and 100% graduates demonstrating environmental literacy. The goal is to reduce CO2 emission, energy and water use, while creating atmosphere where students can learn and be healthy.

TREE DIVERSITY

The trees of the college have increased the quality of life, not only the college fraternity but also the people around of the college in terms of contributing to our environment by providing oxygen, improving air quality, climate amelioration, conservation of water, preserving soil, and supporting animal species, controlling climate by moderating the effects of the sun, rain and wind. Leaves absorb and filter the sun's radiant energy, keeping things cool in summer. A thick belt of large shady trees in the periphery of the college have found to be bringing down noise and cut down dust and storms. Thus, the college has been playing a significant role in maintaining the environment of the entire campus and its surrounding areas.

WATER AUDIT

Facilities of raw water intake through bore wells and municipal water supply.

Facility for waste water treatment through Sewage Treatment Plant (STP), recycled water utilized for lawns and plantations within the campus.

Rain water Harvesting (RWH) facility is provided to the girl's hostel which is located inside the campus.

NOISE AUDIT

Majority of the students comes from local city, are advised to utilize the college bus facilities.

If students / faculty members are using their own vehicles are strictly advised to minimize the speed limit and not to horn inside the campus.

Also students are advised to not to use vehicles unnecessarily within the campus to minimize the air pollution.

Even though Amritsar- Jalandhar highway runs beside the campus, no noise pollution harms the learning environment, as the buildings are nearly about 500mts away from the road and also the tall trees inside the campus acts as obstrucals for noise transmission.

ENIVRONMENTAL QUALITY AUDIT

Programs have been undertaken by the institute for plantation. The green belt is also maintained to reduce the pollution level by decreasing the carbon dioxide level.

Every year on June 5th World Environmental Day (WED) will be celebrating by inviting a special guest to elaborate impact of healthy environment on human life among students and staffs. As a part of curriculum, university has incorporated environmental related subjects to have environmental education.

Generated Solid wastes like waste papers, Blue books, vegetable matter and miscellaneous are systematically dumped into a earthen pit for natural decomposition instead of burning, thereby reduction in co2 has achieved.

AMRITSAR
GROUP OF COLLEGES
ENGINEERING | PHARMACY | LAW

GREEN AUDIT REPORT

2018-2019

AGC MOTO: ONE STUDENT ONE TREE

Executive Summary

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institutes which will lead for sustainable development.

Amritsar Group of Colleges, Amritsar, is deeply concerned and unconditionally believes that there is an urgent need to address these fundamental problems and reverse the trends. The purpose of the analysis was to ensure that the practices followed in the campus are in accordance with the Green Policy adopted by the institution. It works on the several facets of 'Green Campus' including Water Conservation by Rain water Harvesting, Tree Plantation, Waste Management, Paperless Work and Alternative Energy (Solar System).

Introduction

Green means eco-friendly environment. GREEN can be described as 'Global Readiness in Ensuring Ecological Neutrality'. Green audit helps to get an idea about the energy consumption. It is connected to sustainable development process and is an effective way to solve the environmental problems.

Objectives

The main objective of the green analysis is to promote the Environment Management and Conservation in the College Campus. The purpose of the analysis is to identify, quantify, describe and **prioritize framework of Environment Sustainability** in compliance with the applicable regulations, policies and standards.

The main objectives of carrying out Green Analysis are:

1. To map the Geographical Location of the College.
2. To document the floral and faunal diversity of the College.
3. To record the meteorological parameter of Manawala where college is situated.
4. To introduce and aware students to real concerns of environment and its Sustainability.
5. To secure the environment and cut down the threats posed to human health by analysing the pattern and extent of resource use of the campus.
6. To document the ambient environmental condition of weather, air, water and noise of the College.
7. To estimate the Energy requirements of the College.
8. To report the expenditure on green initiatives during the last five year.

Conclusion

For a healthy future, saving money and befitting the environment green audit is important.

Vision and Mission statement

Vision

To produce competent Business Professionals and Entrepreneurs with necessary managerial and analytical skills possessing decision making ability.

Mission

- To nurture the future business professionals and entrepreneurs through imparting high quality value based teaching, research and practical training that meets industry expectations.
- To prepare management professionals with global mindset having outstanding leadership quality and impeccable personality.
- To bridge the gap between theory and practical in the knowledge economy.
- To provide high quality career enhancing business education.

  To foster a passion for learning and creative thinking among the students

Green Audit Assessment Team

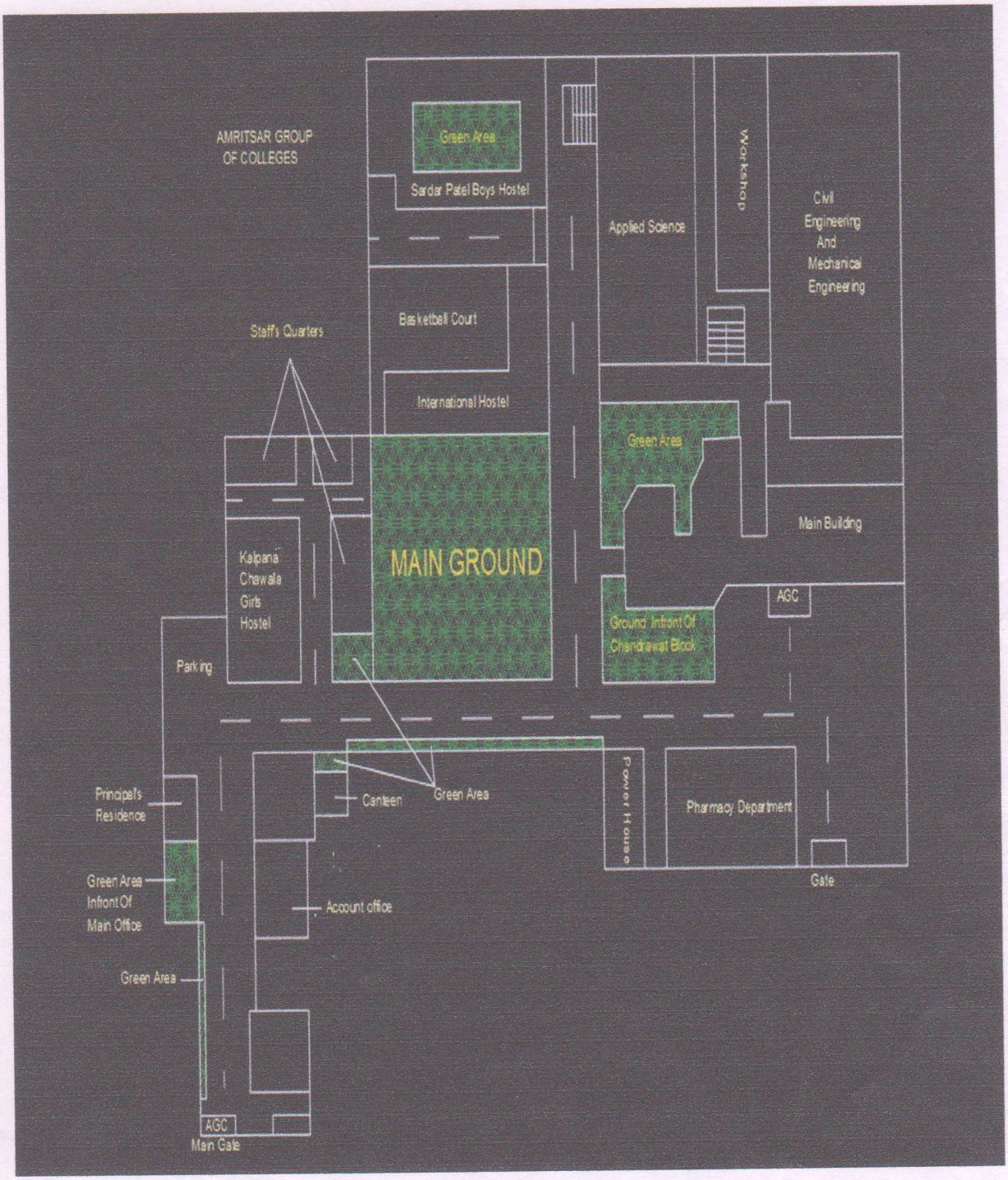
Internal

- Dr. Gurbir Singh, Associate Professor, Department of Agriculture.
- Dr. Maninder Singh Gill, Head, Department of Management Studies.
- Dr. Upain Bhatia, Head, Department of Civil Engineering.
- Dr. Kalpana Jaggi, Associate Professor, Department of Agriculture.
- Mr. Vicky, Supervisor AGC Agro Farm

External

- Mr. Sharanjeet Singh, Khalsa College, Amritsar.
- Mr. Satnam Singh, Associate Professor, Soil Sciences, Khalsa College, Amritsar.
- Mr. Manpreet Singh, Associate Professor, Soil Sciences, Khalsa College, Amritsar.
- Dr. Amrinder Singh Riar, Assistant Professor, Department of Agriculture, Guru Nanak Dev University.

AGC GREEN MAP



Details of Trees and Plants in Campus

S.No	Area Covered	Trees	Plants
1	Entrance	15	10
2	Account's Office front	18	138
3	Canteen Area	19	16
4	Principal Residence	18	27
5	Girls Hostel	06	04
6	Side of Canteen	15	15
7	Main Ground	92	60
8	Pharmacy side	-	95
9	Ground in front of Chandrawat Block	12	140
10	Fountain	06	23
11	Front side	08	29
12	Ground in front of Library	11	30
13	Mechanical side	09	50
14	Boys Hostel	06	87
15	Girls Hostel	8	-
16	Side of main ground	11	75
17	AGC Agro Farm	120 (Fruit Tree)	460
	Total	**374**	**1259**

Trees and Plants found at AGC

S.No	Name of Tree /Plant
1	Bottle Palm
2	Patonia
3.	Marigold
4.	Rose
5.	Alkanet
6.	Kesar
7.	Calendula
8.	Fish Palm
9.	Foxtal Palm
10.	Chrysanthemum
11.	Ficus
12	Mango

Detail of Pots

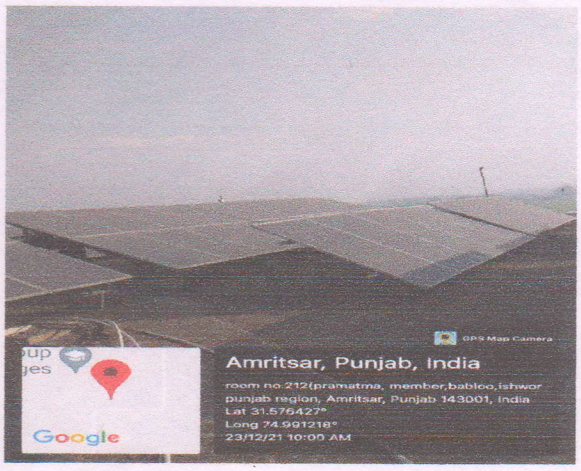
Sr. No.	Department	Number of Pots
1	AGC Agro Farm	589
2	Applied Sciences	112
3	Mechanical & Civil Department	51
4	Main Building	16
5	Pharmacy	12
6	Girls Hostel/ Boys Hostel	55

Electric Power Consumption at AGC

The Institution has facilities for alternate sources of energy and energy conservation measures

- Solar energy
- Wheeling to the Grid
- Sensor-based energy conservation
- Use of LED bulbs/ power efficient equipment

Solar Energy:



AGC Organic Agro Farm

Farm Facilities

- Various agricultural field equipments such as Sonalika Tractor, Disc harrow, Rotavator, Ridger, Cultivator, Mould Board Plough etc.
- AGC Organic Agro Farm has large area land, rainwater harvesting system and Drip irrigation system with fish rearing pond.
- Well-equipped Polyhouse and Green house for raising off-season crops.

Main Attractions at AGC Agro Farm

- Ornamental Garden
- AGC Ayur Garden
- Spice Valley
- Bonsai Garden
- Sensory Garden
- Wishing Corner
- Cactus Garden

- Hydroponics Unit
- Mushroom Unit
- Vermicompost Unit
- Polyhouse
- Fish Culture pond
- Fruit Nursery
- Organic Farming
- Natural Forest

Vermicomposting

Hydroponics Unit

Mushroom Unit

Polyhouse

Rain Water Harvesting System

Drip System Attached With Fish Pond

Ayurvedic Garden

Student Experimental Garden

Bonsai Garden

Growing of Vegetable under Polyhouse conditions

Mushroom Cultivation Unit:

AGC Aquafarming

Black Rice Growth

Black Rice Growth

Oyster and button mushroom cultivation

Types of Birds found at AGC

S.No	Bird Name	Bird Picture
1	Lesser whistling duck	
2	Chukar Patridge	
3	Rock Pigeon	
4	Booted Eagle	

5	Rose-ringed Parakeet	
6	Black –winged stilt	
7	Alexandrine parakeet	

Report Certified and verified by :

Internal

Dr. Gurbir Singh

Ms. Binod Kaur

Dr. Maninder Singh Gill

Dr. Upain Bhatia

Dr. Kalpana Jaggi

Mr. Vicky

External

Mr. Sharanjeet Singh

Mr. Satnam Singh

Mr. Manpreet Singh

Dr. Amrinder Singh Riar,

Dr. V. K. Banga
(Principal)

AMRITSAR
GROUP OF COLLEGE
ENGINEERING | PHARMACY | LAW

GREEN AUDIT REPORT
2020-2021

AGC MOTO: ONE STUDENT ONE TREE

EXECUTIVE SUMMARY

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CONCLUSION

For a healthy future, saving money and befitting the environment green audit is important.

VISION AND MISSION STATEMENT VISION

- ☑ To produce competent Business Professionals and Entrepreneurs with necessary managerial and analytical skills possessing decision making ability

MISSION

- ☑ To nurture the future business professionals and entrepreneurs through imparting high quality value based teaching, research and practical training that meets industry expectations.
- ☑ To prepare management professionals with global mindset having
- ☑ Outstanding leadership quality and impeccable personality.
- ☑ To bridge the gap between theory and practical in the knowledge economy.
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- ☑ Green Audit Assessment Team Internal
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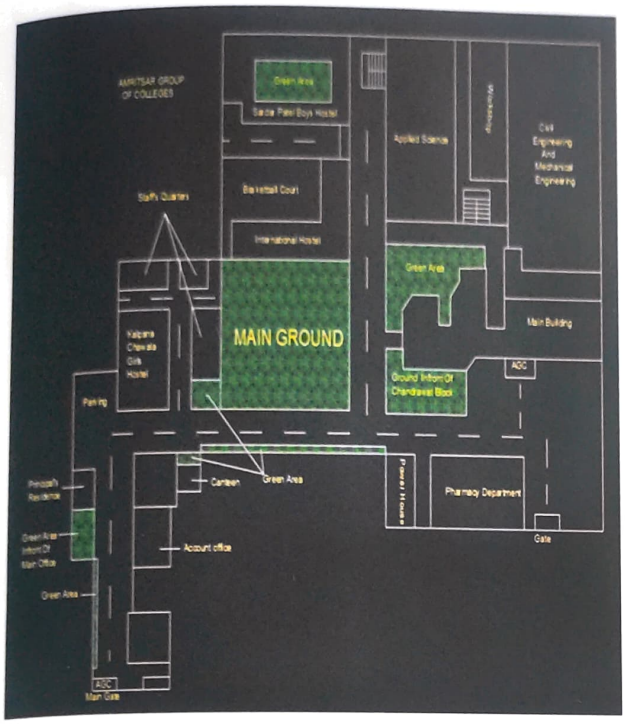
AGC GREEN MAP



DETAILS OF TREES AND PLANTS IN CAMPUS

S.NO	PLANTS	TREES	AREA COVERED
1	Entrance	30	50
2	Account's Office front	18	138
3	Canteen Area	19	16
4	Principal Residence	18	27
5	Girls Hostel	06	04
6	Side of Canteen	15	15
7	Main Ground	92	90
8	Pharmacy side	-	95
9	Ground in front of Chandrawat Block	27	151
10	Fountain	06	23
11	Front side	08	29
12	Ground in front of Library	11	92
13	Mechanical side	09	50
14	Boys Hostel	06	87
15	Girls Hostel	10	-
16	Side of main ground	11	75
17	AGC Agro Farm	120 (Fruit Tree)	475
	Total	406	1417

Trees and Plants Found at AGC

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2	Patonia
3	Marigold
4	Rose
5	Alkanet
6	Kesar
7	Calendula
8	Fish Palm
9	Foxtal Palm
10	Chrysanthemum
11	Ficus
12	Mango
13	Grapes
14	Lemon
15	Orange

Detail of Pots

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1	AGC Agro Farm	589
2	Applied Sciences	112
3	Mechanical & Civil Department	51
4	Main Building	16
5	Pharmacy	12
6	Girls Hostel/ Boys Hostel	55

Electric Power Consumption at AGC

The Institution has facilities for alternate sources of energy and energy conservation measures

- SOLAR ENERGY.
- WHEELING TO THE GRID.
- SENSOR-BASED ENERGY CONSERVATION.
- USE OF LED BULBS/ POWER EFFICIENT EQUIPMENT.

Solar Energy

- Ornamental Garden
- AGC Ayur Garden
- Spice Valley
- Bonsai Garden
- Sensory Garden
- Wishing Corner
- Cactus Garden
- Hydroponics Unit
- Mushroom Unit
- Vermicompost Unit
- Polyhouse
- Fish Culture pond
- Fruit Nursery
- Organic Farming
- Natural Forest

Farm Facilities

1. Various agricultural field equipments such as Sonalika Tractor, Disc harrow, Rotavator, Ridger, Cultivator, Mould Board Plough etc.

2. AGC Organic Agro Farm has large area land, rainwater harvesting system and Drip irrigation system with fish rearing pond.

3. Well-equipped Polyhouse and Green house for raising off-season crops.

Vermicomposting

Hydroponics Unit

Mushroom Unit

Poly House

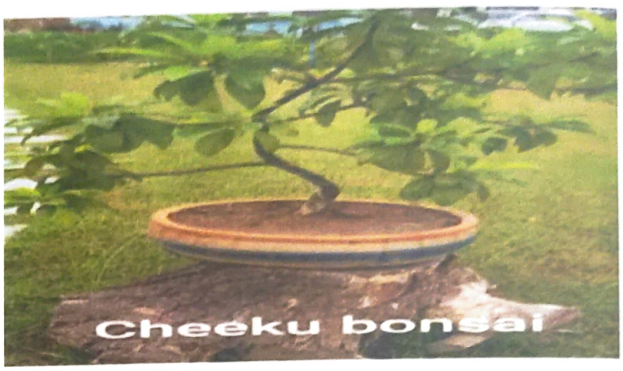
Rain Water Harvesting System

Drip System Attached With Fish Pond

Ayurvedic Garden

Student Experimental Garden

Mushroom Unit



Growing of Vegetable under Polyhouse conditions

Mushroom Unit

Mushroom Cultivation

AGC Aqua Farming

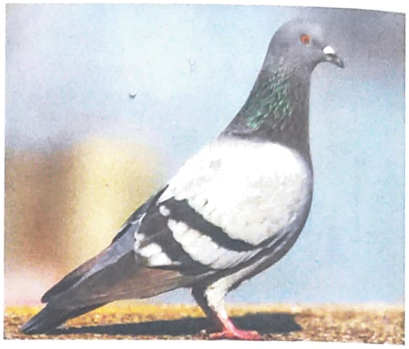
Black Rice Growth

Oyster and Button Mushroom Cultivation

TYPES OF BIRD FOUND AT A

Lesser whistling duck

Chukar Patridge



Rock Pigeon

Rose-ringed

Parakeet

Black –winged stilt

Alexandrine parakeet

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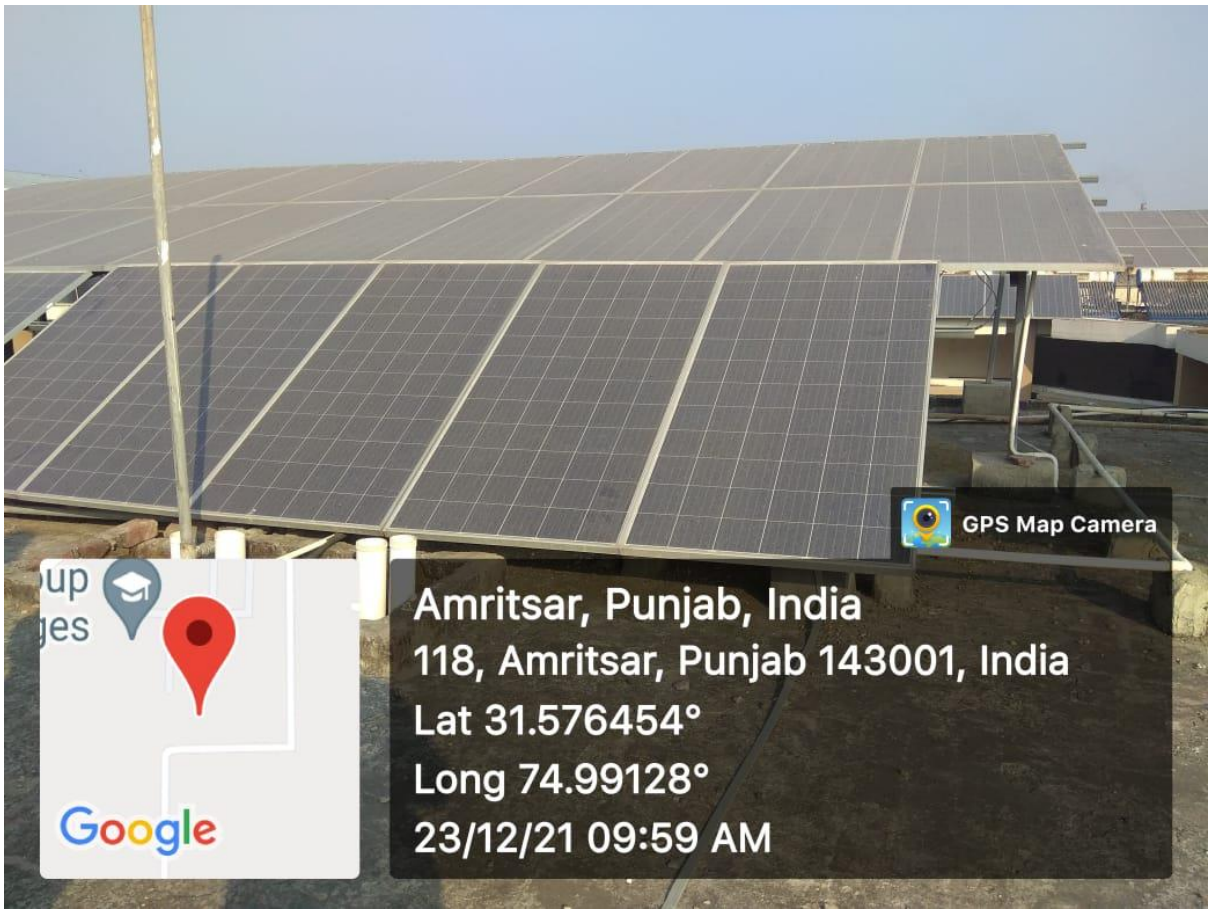
GROUP OF COLLEGES
ENGINEERING | PHARMACY | LAW

Solar Panel Pits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Amritsar, Punjab, India
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Long 74.99128°
23/12/21 09:59 AM
Google


GPS Map Camera
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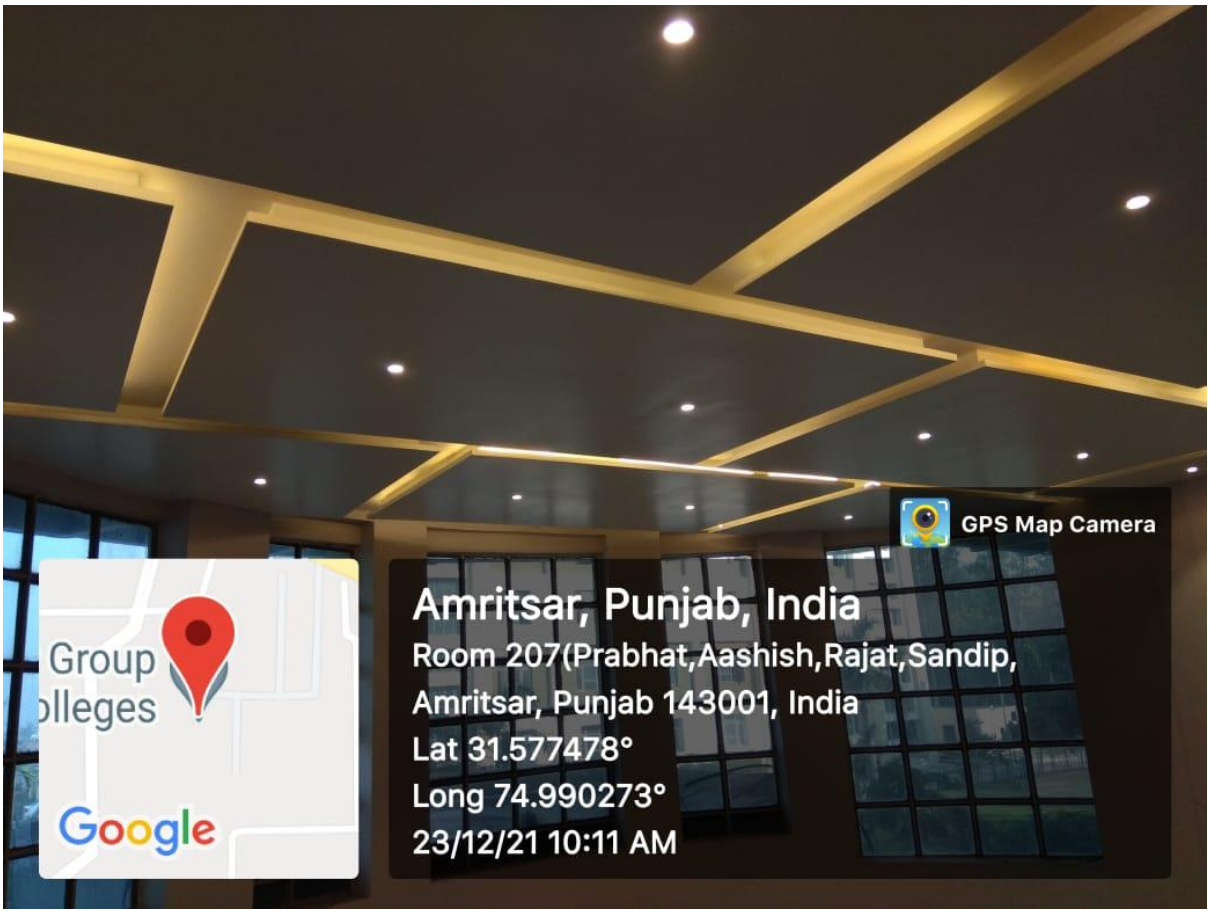
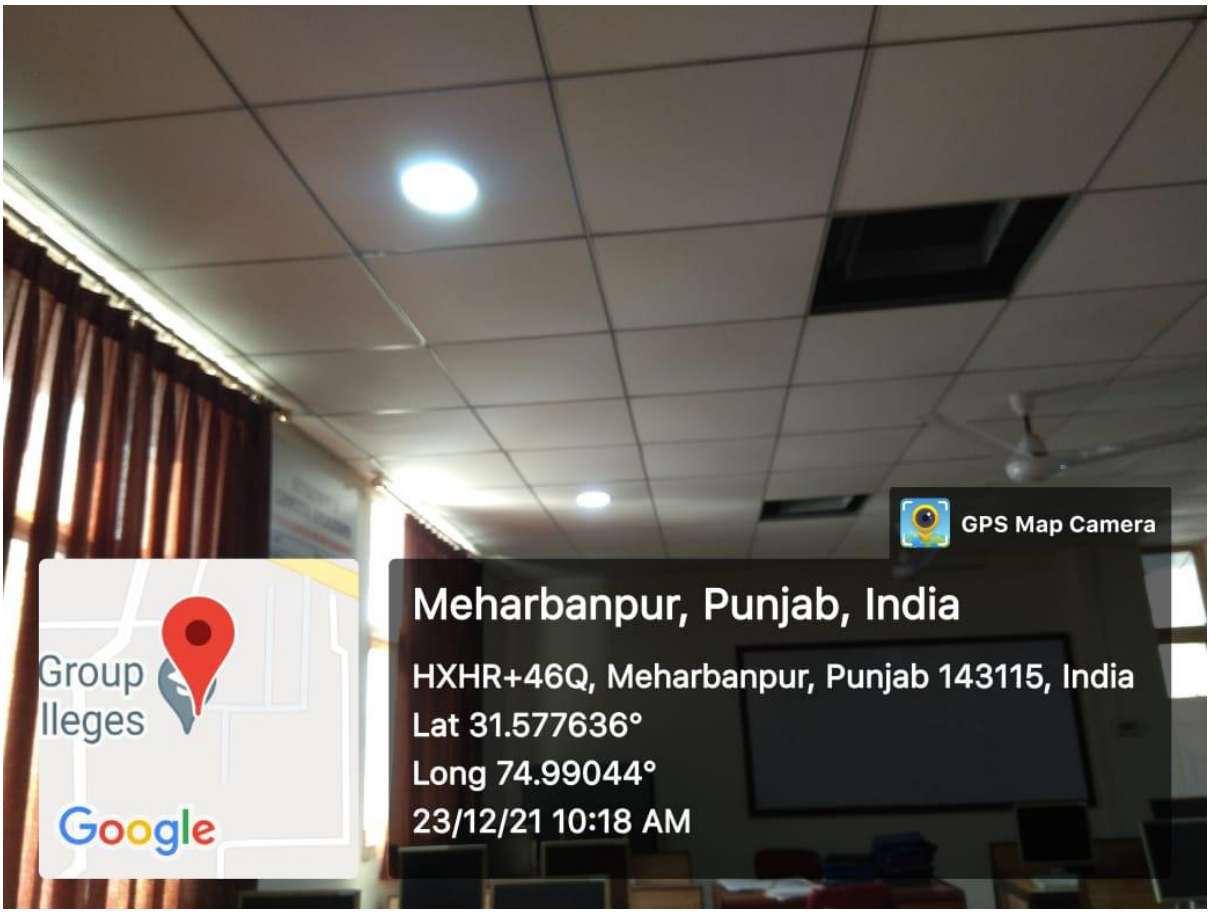
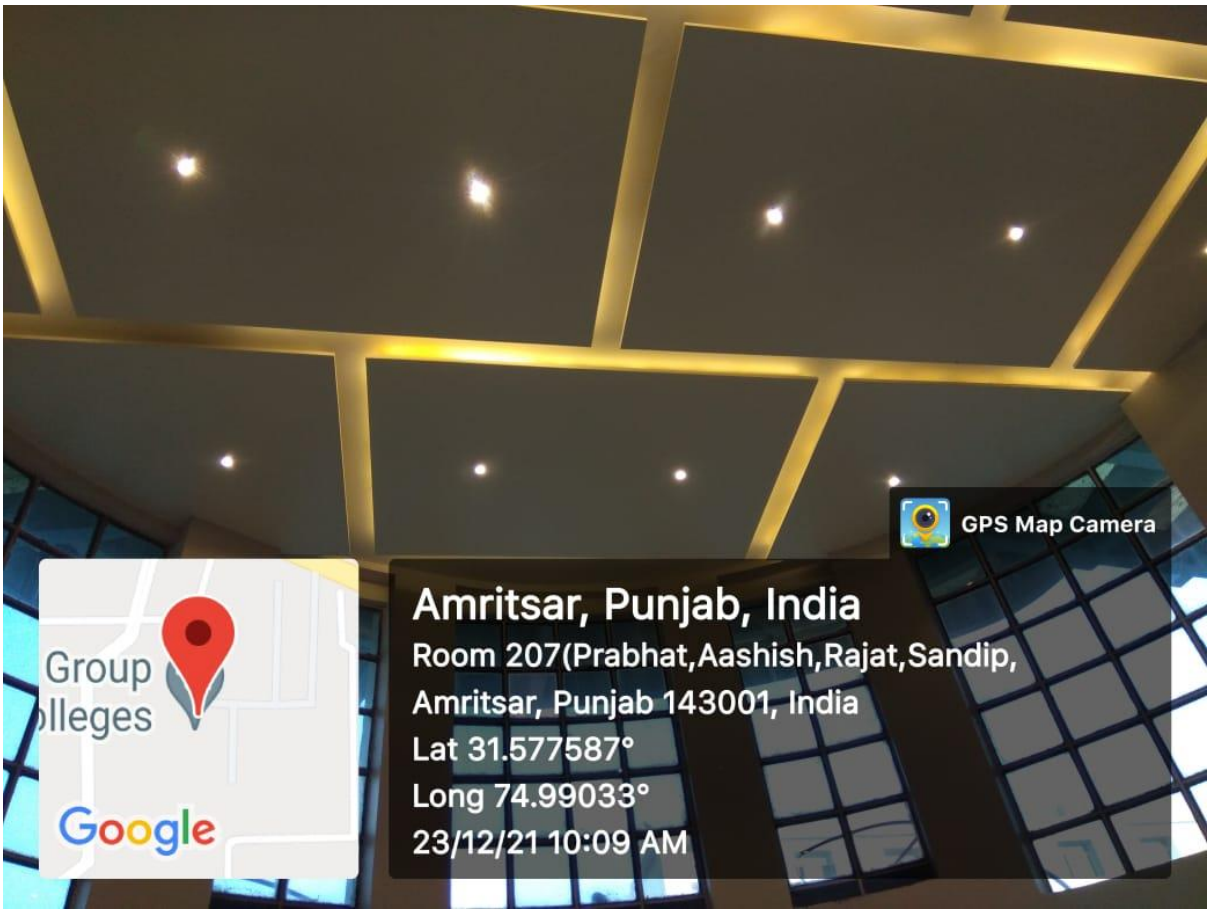
23/12/21 09:59 AM
Google

Use of LED bulbs



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Amritsar, Punjab, India
Room 207(Prabhat,Aashish,Rajat,Sandip,
Amritsar, Punjab 143001, India
Lat 31.577587°
Long 74.99033°
23/12/21 10:09 AM
Google

GSTIN : 03AAWFA5334M1Z4

TAX INVOICE

M.: 9888314056
M.: 9914545785

AANCHAL SOLAR SYSTEM

Address : H.O. :Sardar Enclave, B/S Roohi Kanda, Tarn Taran
B.O. : Sethi Complex, Nr. Congress Bhawan, Hall Bazar, Amritsar

Reverse Charge : Yes	Transportation Mode :
Invoice No. : 270	Vehicle No. : PB02DM5144
Invoice Date : 30/3/19	Date of Supply : 30/3/19.
State : State Code :	Place of Supply :

Details of Receiver / Billed to	Details of Consignee / Shipped to
Name : Amritsar International foundation	Name : Amritsar International foundation
Address : Trust village Mehebonpura G.T.Road	Address : Trust village Mehebonpura G.T.Road
GSTIN : Amritsar	GSTIN : Amritsar
State : State Code:	State : State Code:

Sl. No	Name of the Product / Service	HSN ACS	UOM	Qty	Rate	Amount	Discount	Taxable Value	CGST Rate	CGST Amount	SGST Rate	SGST Amount	IGST Rate	IGST Amount	Total
5)	Solar Power Generating System 50+62300 kw Plant	8543		6		1200000		8400000	2.5	210,000	2.5	210,000			8820000/-
								3600000	9/-	324000	9/-	324000			4[illegible]
	Total							12000000/-		534000/-		534000/-			13068000

Total invoice amount in words : [illegible]

Total Amount Before Tax	12000000
Add: CGST	534000
Add: SGST	534000
Add: IGST	
Tax Amount : GST	1068000
Total Amount After Tax	13068000
GST Payable under R.C.M.	

[Bank Details]

Bank Account No. HDFC BANK A/c No. 14282000000034, Jandiala Road, Tarn Taran
Bank Branch IFSC HDFC0001428

[Terms and Conditions]

Subject to Tarn Taran Jurisdiction
1) Goods once sold cannot be taken back
2) Interest 12% will be charged after 15 days

Certified that the particulars given above are true and correct
For AANCHAL SOLAR SYSTEM

Authorised Signatory

Accounts Branch
Amritsar Group of Colleges,
Amritsar.

Principal,
Amritsar College of Engg. & Tech.
Amritsar

E - WAY BILL SYSTEM

NATION TAX MARKET

e-Way Bill

E-Way Bill No:	3411 0024 7244
E-Way Bill Date:	30/03/2019 10:26 PM
Generated By:	03AAW FA533 4M1Z4 - AANCHAL SOLAR SYSTEM
Valid From:	30/03/2019 10:26 PM [35Kms]
Valid Until:	31/03/2019

Part - A

GSTIN of Supplier	03AAWFA5334M1Z4,AANCHAL SOLAR SYSTEM
Place of Dispatch	,PUNJAB-143401
GSTIN of Recipient	URP ,Amritsar International Foundation Trust
Place of Delivery	Amritsar,PUNJAB-143401
Document No:	270
Document Date	30/03/2019
Transaction Type	Regular
Value of Goods	₹ 13068000
HSN Code	8543 - 300 KW POWER PLANT(+1)
Reason for Transportation	Outward - Supply
Transporter	

Part - B

Mode	Vehicle / Trans. / Doc No & Dt.	From	Entered Date	Entered By	CEWB No. (if any)	Multi veh.Info (if any)
Road	PB02DM0144		30/03/2019 10:26 PM	03AAWFA5334M1Z4		

341100247244

Powered By National Informatics Centre

https://ewaybillgst.gov.in/BillGeneration/EBPrint.aspx?ewb_no=341100247244&cal=1

Principal,
Amritsar College of Engg. & Tech.
Amritsar

LED & Other Material 2020-2021

GSTIN : 03AAHFM6784A1ZG
STATE CODE: 03

INVOICE
Original for Recipient

M. 99140-31601
M. 98552-05687
Ph. 01636-221083

MADAN LAL PAWAN KUMAR

Partap Road, Moga - 142 001

Invoice No. 7682 Dated 3. 2. 21.

Name: Amritsar College of Engg. & Tech.
Address: ASR.
GSTIN:
STATE CODE: 3
Transportation Mode:
Vehicle Number: PB04U1792
G.R. No. ______ GRDT.
No. of Package ______ Fright: 2000 -

Name of Product / Service	HSN CODE	Rate	Amount
30 Box PVC wire 1mm	8544	850/-	25500 -
30 Box PVC wire 1.5mm	8544	1200/-	36000 -
20 Box PVC wire 2.5mm	8544	1780/-	35600 -
5 Box PVC wire 4mm	8544	2750/-	27500 -
4 Box PVC wire 2.5x2core flat	8544	3750/-	15000 -
5 Box PVC wire 1.5x2core flat	8544	2380/-	11900 -
5 Box PVC wire 4mm x 2core Round	8544	5950/-	29750 -
20 Pc [illegible] S/L	8536	350/-	7000 -
20 Pc [illegible] S/L	8536	300/-	6000 -
5 Pc [illegible] S/L	8536	2560/-	12800 -
5 Pc [illegible] S/L	8536	1900/-	9500 -
10 Pc [illegible] 12M S/L	8538	1220/-	12200 -
3 Pc [illegible]	8536	520/-	1560 -
10 Pc [illegible]	8536	940/-	9400 -
			253750 -
100 Pc Tubelight LED 25W	9405	300/-	30000 -
5 Pc LED Lamp 20W	9405	200/-	1000 -
3 Pc LED Lamp 50W	9405	600/-	1800 -
10 Pc LED Lamp [illegible]	9405	75/-	750 -
			319250 -
Eway Bill No. 371283196325	319250/-	18%	57466-40
		Total 18%	58492 -
		CGST@ 9%	19339-90 / 3509 -
		SGST@ 9%	19339-90 / 3509 -
		Total Amount	319250 -

HDFC BANK DETAILS :
HDFC BANK A/C : 50200026706510
IFSC CODE : HDFC0001318

319250/-

Terms and Conditions :
1) Goods Once sold will not be taken back or exchanged.
2) Seller is not responsible for any loss or damaged of goods in transit.
3) Buyer undertakes to submit prescribed ST declaration to sender on demand.
Disputes if any will be subject to seller court jurisdiction.

[E&OE]

FOR MADAN LAL PAWAN KUMAR

Authorised Signatory

Accounts Branch

Principal
Amritsar College of Engg. & Tech.
Amritsar

GSTIN : 03AAHFM6784A1ZG
STATE CODE: 03

INVOICE
Original for Recipient

Bill

M. 99140-31601
M. 98552-05687
Ph. 01636-221083

MADAN LAL PAWAN KUMAR

Partap Road, Moga - 142 001

Invoice No. 7749 Dated 18/2/2021

Name: Amritsar College of Engg & Technology	Transportation Mode: Chota Hathi
Address: Amritsar	Vehicle Number: PB29R9214
GSTIN:	G.R. No.: GRDT:
STATE CODE: 03	No. of Package: (41) Nag Fright:

Name of Product / Service	HSN CODE	Rate	Amount
600 LED Light 5w Sparkle	9405		45000 -
20 Flood Lit 50w LED SMD	9405		20000 -
20 Flood Lit 100w LED SMD	9405		40000 -
200 Lamp LED 12wt	9405		26000 -
200 Lamp LED 15wt	9405		30000 -
200 Lamp LED 20wt	9405		40000 -
200 Tube Set 4' LED 20wt	9405		40000 -
200 Zero Downlight 3w	9405		20000 -
12 Lamp LED 50 watt	9405		7200 -
200 Lamp LED 9wt	9405		16000 -
200 LED Driver 20w	9405		16000 -
300 R Light 6w F-Ecc Integrated	9405		45000 -
			345200 -

Eway Bill No. 371288396574

Total	308214-28
CGST @ 6%	18492-86
SGST @ 6%	18492-86
Total Amount	345200 -

HDFC BANK DETAILS :
HDFC BANK A/C : 50200026706510
IFSC CODE : HDFC0001318

Terms and Conditions :
1) Goods Once sold will not be taken back or exchanged.
2) Seller is not responsible for any loss or damaged of goods in transit.
3) Buyer undertakers to submit prescribed ST declaration to seller on demand.
Disputes if any will be subject to seller court jurisdiction [E&OE]

FOR MADAN LAL PAWAN KUMAR

Authorised Signatory

Accounts Branch
Amritsar Group of Colleges,
Amritsar.

Principal,
Amritsar College of Engg. & Tech.
Amritsar

Energy Audit Report
(2020-2021)

AMRITSAR GROUP OF COLLEGES

Autonomous status conferred by UGC under UGC act-1956, (2f), NAAC-A Grade,
(Formerly Known as Amritsar College of Engineering & Technology | Amritsar Pharmacy College)

Principal,
Amritsar Group of Colleges,
AMRITSAR.

Preface

The Energy Audit Report of Amritsar Group Of Colleges was conceded for the period of 1 April 2020 to 31 March 2021. This audit was done mainly to improve the energy profile in the campus. The main focus during this audit is to recognize energy proficient appliances and how we improve energy profile in the campus. The energy audit survey was completed by Dept. Of Electrical Engineering. All data collected from campus at distinguish load terminals i.e. classroom, laboratory, hostel, etc. The work is completed by considering, how much load is connected in the campus and corresponding up to what extent the energy saving is possible without disturbing the quality and quantity of voltage profile.

Table of Contents

Energy Audit Report of Amritsar Group Of Colleges, Amritsar

Introduction

The world is focusing on development of new technologies in each area to improve profile. In the country, entire activities had been performed by the human being for better future. Today we are emerging towards the desirable status of a developed nation with fast strides. For achieving optimum platform energy management is necessary. As we aware about electricity crisis and its blackouts, we are facing lack of electricity in the country during current scenario. So, College management is taking an initiate regarding production of electricity and its saving.

Energy conservation means reduction in energy consumption without making any sacrifice of quantity or quality. it will result to use energy efficient equipment properly and change basic fundamental of life for energy wastage. By observing all key points of electricity and its demand, it is necessary to plan a life style in well manner for energy saving and its consumption.

In the present study, college electricity audit has been done. In the study, practical laboratories, instrument, Fans, Air conditioners, Computers, each small to large appliances are considered. During this, total economic investment of college on the electricity and total generation of electricity from the solar has been studied. We done all these mentioned thinks by collecting exact data form survey.

1.1 Energy Consumption and Saving of Year 2020-2021

The annual energy consumption of Amritsar Group Of Colleges is as follows:

Year	Energy Consumption (KWH)	Energy Saving (KWH)	%age saving
2020-2021	237	36	15.2

Further, the following efforts has been done for energy saving and to improve its profile in the campus.

1. Replace 3 star rated equipment with 5 star rated equipment in the remaining portion of campus.
2. Installation of solar lightening in the campus
3. Rewinding of few machines according to requirement.

1.2 Graphically Representation of Energy Consumption and Saving:-

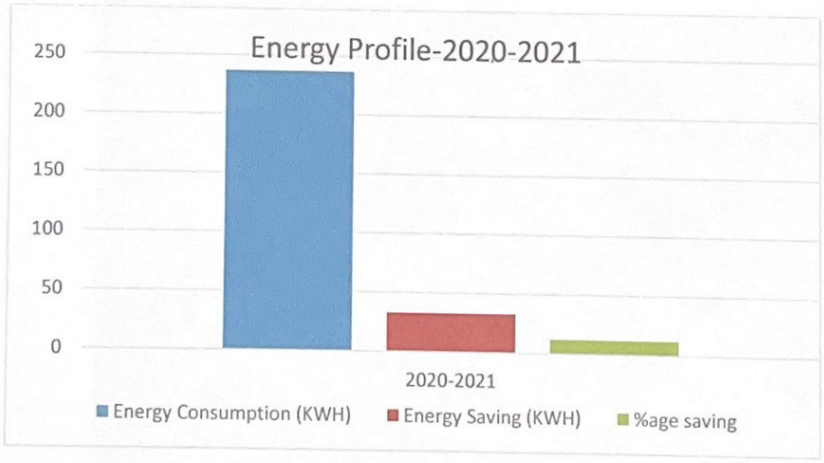

Fig- Energy Consumption and its saving in KWH and percentage

1.3 Detail of electricity production by using Renewable Energy Source

In the campus, solar plant was installed in the year 2019. The following power requirements has been fulfilled and as follows-

Power requirement met	Total Power Requirement	Renewable energy source	Renewable energy generated and used
410 KW	525000 unit	Solar Photovoltaic	Generated- 319000 unit

1.4 Photograph of Renewable Energy Sources-

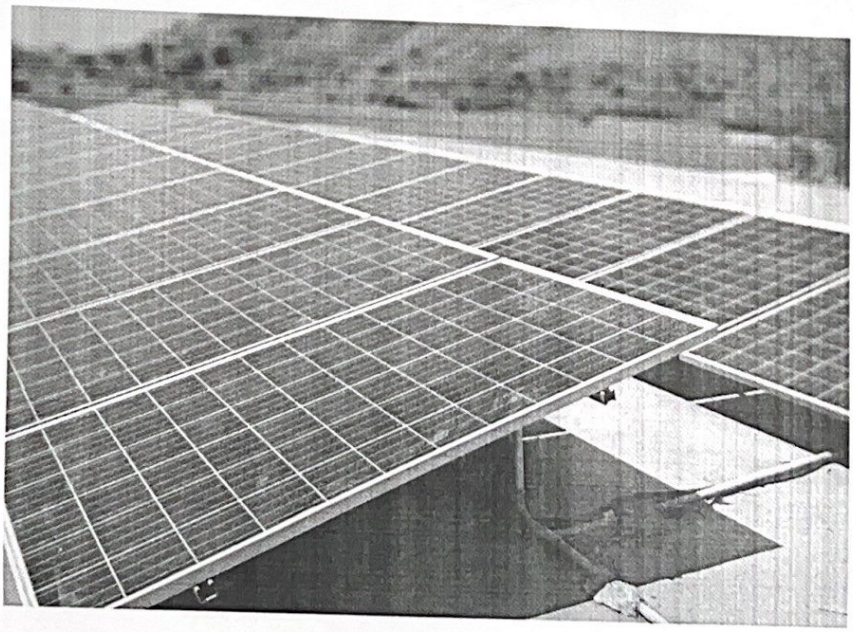

Fig- Solar Energy Generation System

Conclusion

It is concluded that the data obtained during energy saving is useful for energy saving and its analysis for improvement voltage profile in the college. The college needs maximum 525000 units of electricity annually in the current scenario. Further, apart of energy is consumed and remaining has been supplied to the grid by renewable energy source. The power met by solar plant installed in the campus is 410 KW. Also, the percentage saving profile for energy consumption was 36 KWH and percentage saving of 15.2 % from the year 2020-2021.

Report Certified and Verified By

Internal Members

Er. Gurjeet Singh (Head Department of EE)

Er. Ajaypal Singh (Assistant Professor of EE)

Sh. Anil Wadhwa (Admin Officer)

External Member

Er. Harinder Singh (Retd. SDO Majitha 1)

Principal,
Amritsar Group of Colleges,
AMRITSAR.

Energy Audit Report
(2019-2020)

AMRITSAR COLLEGE OF ENGG. & TECHNOLOGY

Autonomous status conferred by UGC under UGC act-1956, (2f), NAAC-A Grade,

Principal
Amritsar College of Engg. & Tech.
AMRITSAR

Preface

The Energy Audit Report of Amritsar College of Engineering and Technology was conceded for the period of 1 April 2019 to 31 March 2020. This audit was done mainly to improve the energy profile in the campus. The main focus during this audit is to recognize energy proficient appliances and how we improve energy profile in the campus. The energy audit survey was completed by Dept. Of Electrical Engineering. All data collected from campus at distinguish load terminals i.e. classroom, laboratory, hostel, etc. The work is completed by considering, how much load is connected in the campus and corresponding up to what extent the energy saving is possible without disturbing the quality and quantity of voltage profile.

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Introduction

The world is focusing on development of new technologies in each area to improve profile. In the country, entire activities had been performed by the human being for better future. Today we are emerging towards the desirable status of a developed nation with fast strides. For achieving optimum platform energy management is necessary. As we aware about electricity crisis and its blackouts, we are facing lack of electricity in the country during current scenario. So, College management is taking an initiate regarding production of electricity and its saving.

Energy conservation means reduction in energy consumption without making any sacrifice of quantity or quality. it will result to use energy efficient equipment properly and change basic fundamental of life for energy wastage. By observing all key points of electricity and its demand, it is necessary to plan a life style in well manner for energy saving and its consumption.

In the present study, college electricity audit has been done. In the study, practical laboratories, instrument, Fans, Air conditioners, Computers, each small to large appliances are considered. During this, total economic investment of college on the electricity and total generation of electricity from the solar has been studied. We done all these mentioned thinks by collecting exact data form survey.

1.1 Energy Consumption and Saving of Year 2019-2020

The annual energy consumption of Amritsar College of Engineering & Technology is as follows:

Year	Energy Consumption (KWH)	Energy Saving (KWH)	%age saving
2019-2020	870	138	13.7

Further, the following efforts has been done for energy saving and to improve its profile in the campus.

1. Installation of additional capacitor banks.
2. For class Rooms – Set temperature at 26 Deg. C

   For Server Rooms – Temp. must be around 28-30 Deg. C
3. Office UPS must be switched off and also plug out from socket.
4. Installations of small size capacitors in AC motors.
5. Rewinding of machines (if required) and also note down the new value of current.
6. Replace CFL and VTL in boys hostel 2 with LED bulbs
7. Replace 3 star rated equipment with 5 star rated equipment's in applied Sciences Block.
8. Installation of solar water heater in the campus

1.2 Graphically Representation of Energy Consumption and Saving:-

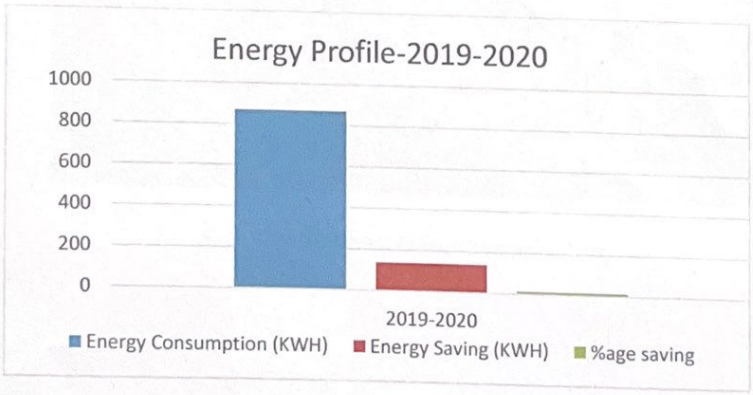

Fig- Representation of Energy Consumption and its saving in KWH and percentage

1.3 Detail of electricity production by using Renewable Energy Source

In the campus, solar plant was installed in the year 2019. The following power requirements has been fulfilled and as follows-

Power requirement met	Total Power Requirement	Renewable energy source	Renewable energy generated and used	Energy supplied to grid
430 KW	525000 unit	Solar Photovoltaic	Generated-325000 unit	45000 unit
			Used-280000 unit	

1.4 Photograph of Renewable Energy Sources-

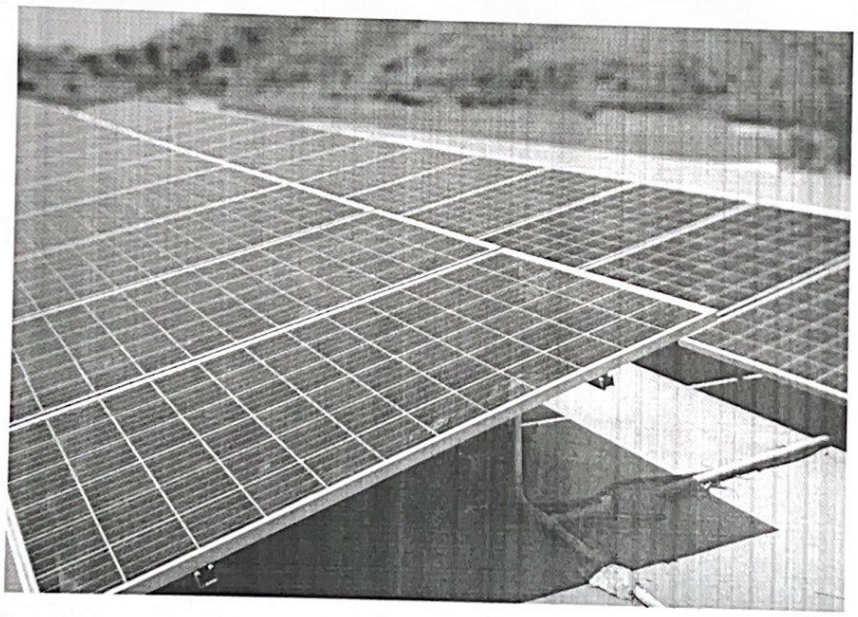

Fig- Solar Energy Generation System

Conclusion

It is concluded that the data obtained during energy saving is useful for energy saving and its analysis for improvement voltage profile in the college. The college needs maximum 525000 units of electricity annually in the current scenario. Further, apart of energy is consumed and remaining has been supplied to the grid by renewable energy source. The power met by solar plant installed in the campus is 430 KW. Also, the percentage saving profile for energy consumption was 13.7 % from the year 2019-2020.

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Report Certified and Verified By

Internal Members

Er. Gurjeet Singh (Head Department of EE)

Er. Ajaypal Singh (Assistant Professor of EE)

Sh. Anil Wadhwa (Admin Officer)

External Member

Er. Harinder Singh (Retd. SDO Majitha 1)

Principal
Amritsar College of Engg. & Tech.
AMRITSAR.

Energy Audit Report
(2018-2019)

AMRITSAR COLLEGE OF ENGG. & TECHNOLOGY

Autonomous status conferred by UGC under UGC act-1956, (2f), NAAC-A Grade,

Principal
Amritsar College of Engg. & Tech.
Amritsar

Preface

The Energy Audit Report of Amritsar College of Engineering & Technology was conceded for the period of 1 April 2018 to 31 March 2019. This audit was done mainly to improve the energy profile in the campus. The main focus during this audit is to recognize energy proficient appliances and how we improve energy profile in the campus. The energy audit survey was completed by Dept. Of Electrical Engineering. All data collected from campus at distinguish load terminals i.e. classroom, laboratory, hostel, etc. The work is completed by considering, how much load is connected in the campus and corresponding up to what extent the energy saving is possible without disturbing the quality and quantity of voltage profile.

Table of Contents

Introduction

Energy conservation means reduction in energy consumption without making any sacrifice of quantity or quality. it will result to use energy efficient equipment properly and change basic fundamental of life for energy wastage. By observing all key points of electricity and its demand, it is necessary to plan a life style in well manner for energy saving and its consumption. The world is focusing on development of new technologies in each area to improve profile. In the country, entire activities had been performed by the human being for better future. Today we are emerging towards the desirable status of a developed nation with fast strides. For achieving optimum platform energy management is necessary. As we aware about electricity crisis and its blackouts, we are facing lack of electricity in the country during current scenario. So, College management is taking an initiate regarding production of electricity and its saving.

In the present study, college electricity audit has been done. In the study, practical laboratories, instrument, Fans, Air conditioners, Computers, each small to large appliances are considered. During this, total economic investment of college on the electricity and total generation of electricity from the solar has been studied. We done all these mentioned thinks by collecting exact data form survey.

1.1 Energy Consumption and Saving of Year 2018-2019

The annual energy consumption of Amritsar College of Engineering and Technology is as follows:

Year	Energy Consumption (KWH)	Energy Saving (KWH)	%age saving
2018-2019	1068	117	9.8

Further, the following efforts has been done for energy saving and to improve its profile in the campus.

1. Unnecessary material must be taken out from electrical panels.
2. Remove old equipment's from the campus (if not required)
3. Installation of capacitor bank in the laboratories
4. Replace VTL with LED bulb in laboratories.
5. Arrest unnecessary lightening in the campus.

1.2 Graphically Representation of Energy Consumption and Saving:-

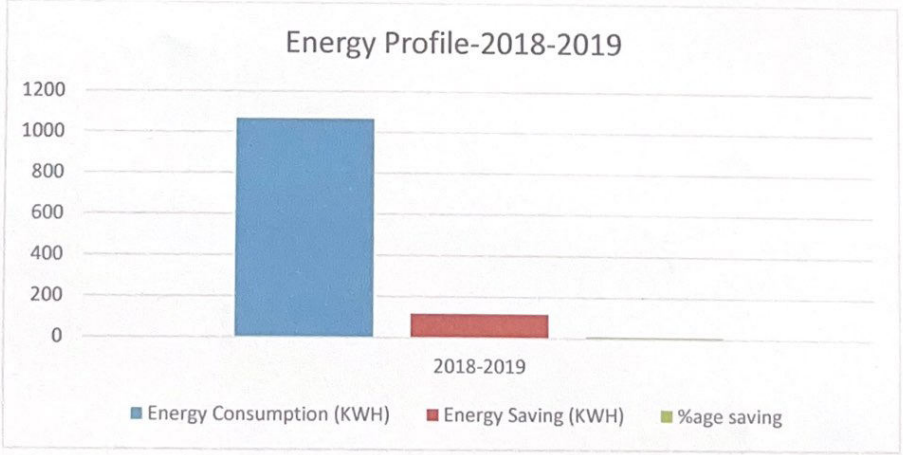

Fig- Representation of Energy Consumption and its saving in KWH and percentage

Conclusion

It is concluded that the data obtained during energy saving is useful for energy saving and its analysis for improvement voltage profile in the college. The college needs maximum 484000 units of electricity annually in the current scenario. Further, various efforts has been done to improve the voltage profile. Also, the percentage saving profile for energy consumption was 117 KWH and percentage saving of 9.8 % from the year 2018-2019.

Report Certified and Verified By

Internal Members

Er. Gurjeet Singh (HOD EE) Er. Ajaypal Singh (AP) Sh. Anil Wadhwa (AO)

External Member

Er. Harinder Singh (Retd. SDO)

Principal
Amritsar College of Engg. & Tech.
Amritsar

Energy Audit Report
(2017-2018)

AMRITSAR COLLEGE OF ENGG. & TECHNOLOGY

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Principal
Amritsar College of Engg. & Tech.
Amritsar

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1.1 Energy Consumption and Saving of Year 2017-2018

The annual energy consumption of Amritsar College of Engineering and Technology is as follows:

Year	*Energy Consumption (KWH)*	*Energy Saving (KWH)*	*%age saving*
2017-2018	*1070*	*74*	*6.4*

Further, the following efforts has been done for energy saving and to improve its profile in the campus.

1. *Transformer wastage must be reduced to 2.5%*
2. *Departments must ensure that tubes and fans are switched off(when not required)*
3. *Amendment in the UPS load at various venues (current load of each around 30 KW)*
4. *Arrest electric heaters at boys and girls hostel.*
5. *Installation of efficient motors*
6. *Replace CFL and VTL in boys hostel 1 with LED bulbs*
7. *Replace 3 star rated equipment with 5 star rated equipments in main Block.*

1.2 Graphically Representation of Energy Consumption and Saving:-

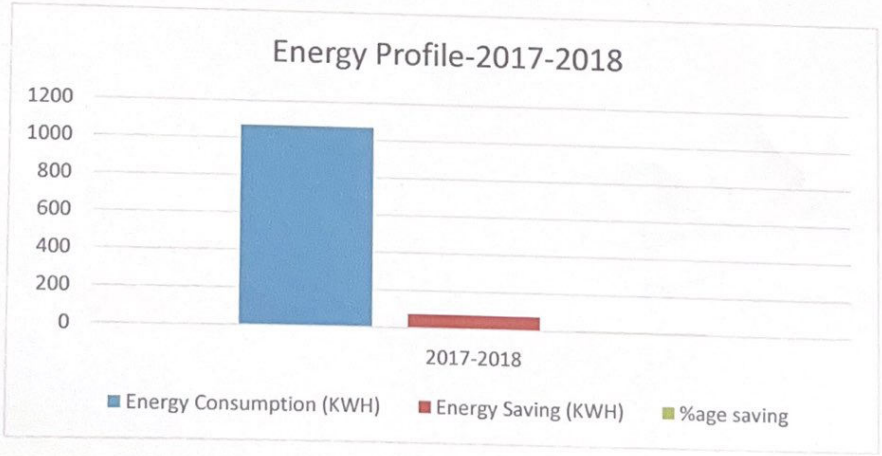

Fig- Representation of Energy Consumption and its saving in KWH and percentage

Conclusion

It is concluded that the data obtained during energy saving is useful for energy saving and its analysis for improvement voltage profile in the college. The college needs maximum 478000 units of electricity annually in the current scenario. Further, various efforts has been done to improve the voltage profile. Also, the percentage saving profile for energy consumption was 74 KWH and percentage saving of 6.4 % from the year 2017-2018.

Report Certified and Verified By

Internal Members

Er. Gurjeet Singh (Assistant Professor of ECE)

Er. Ajaypal Singh (Assistant Professor of EE)

Sh. Anil Wadhwa (Admin Officer)

External Member

Er. Harinder Singh (SDO Majitha

Principal
Amritsar College of Engg. & Tech.
Amritsar

Energy Audit Report
(2016-2017)

AMRITSAR COLLEGE OF ENGG. & TECHNOLOGY

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Principal
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Amritsar

Preface

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Introduction

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1.1 Energy Consumption and Saving of Year 2016-2017

The annual energy consumption of Amritsar College of Engineering and Technology is as follows:

Year	Energy Consumption (KWH)	Energy Saving (KWH)	%age saving
2016-2017	1035	65	5.9

Further, the following efforts has been done for energy saving and to improve its profile in the campus.

1. Arrest leakage of water waste.
2. Reduces fluctuations in electrical supply.
3. Remove old equipment's (if not required)
4. Arrest loose connections.
5. Installation of energy efficient motors.

1.2 Graphically Representation of Energy Consumption and Saving:-

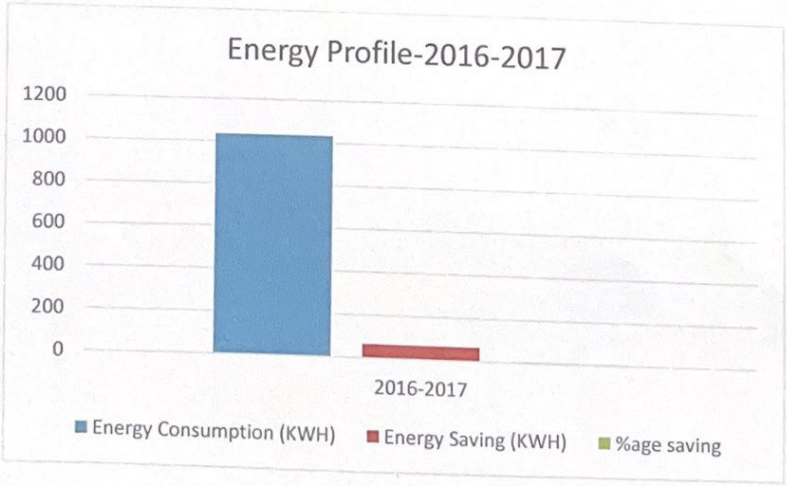


Fig- Representation of Energy Consumption and its saving in KWH and percentage

Conclusion

It is concluded that the data obtained during energy saving is useful for energy saving and its analysis for improvement voltage profile in the college. The college needs maximum *468000 units* of electricity annually in the current scenario. Further, various efforts has been done to improve the voltage profile. Also, the percentage saving profile for energy consumption was *65 KWH* and percentage saving of *5.9 % from the year 2016-2017.*

Report Certified and Verified By

Internal Members

Er. Gurjeet Singh (AP of ECE)

Er. Ajaypal Singh (AP of EE)

Sh. Anil Wadhwa (Admin Officer)

External Member

Er. Harinder Singh (SDO, PSPCL)

Principal
Amritsar College of Engg. & Tech.
AMRITSAR.

AMRITSAR GROUP OF COLLEGES

Autonomous status conferred by UGC under UGC act-1956, (2f), NAAC-A Grade

Environment Audit Details

Application No.	Area of Audit	Date of Issue	Date of Expiry
12775483	AIR	08/09/2020	30/09/2024
12752591	WATER	08/09/2020	30/09/2024

Audits carried out by Punjab Pollution Control Board

PUNJAB POLLUTION CONTROL BOARD

ZONAL OFFICE, 164, FOCAL POINT, MEHTA ROAD, AMRITSAR.

Website:- www.ppcb.gov.in

Office Dispatch No :	**Registered/Speed Post**	**Date:**

Industry Registration ID:	*O13ASR208439*	**Application No :**	*12752483*

To,

Amit Sharma
194, Basant Avenue,
Amritsar,Punjab-143001

Subject: **Renewal of 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981 for discharge of emissions arising out of premises.**

With reference to your application for obtaining Renewal of 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are hereby, authorized to operate an industrial unit for discharge of the emission(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

1. Particulars of Consent to Operate under Air Act, 1981 granted to the industry

Consent to Operate Certificate No.	*CTOA/Renewal/ASR/2020/12752483*
Date of issue :	*08/09/2020*
Date of expiry :	*30/09/2024*
Certificate Type :	*Renewal*
Previous CTO No. & Validity :	*R16ASRCTOA3417660* *From:11/01/2016 To:31/03/2020*

2. Particulars of the Industry

Name & Designation of the Applicant	*Amit Sharma, (Chairman)*
Address of Industrial premises	*Amritsar College Of Engineering & Technology, 12km Stone, Amritsar-jalandhar G.t. Road, Near Manawala,,* *Amritsar Ii,Amritsar-143001*
Capital Investment of the Industry	*4011.351 lakhs*
Category of Industry	*Orange*
Type of Industry	*2091-Area/Infrastructure Development Project including educational institutions, community hall, IT Park, Theme park (Not covered under EIA notification 2006)*
Scale of the Industry	*Small*
Office District	*Amritsar*
Consent Fee Details	
Raw Materials (Name with Quantity per day)	*It's an Engineering College having built-up area 30598 Sq. mts @30598Sq.m/day*

Products (Name with Quantity per day)	*It's an Engineering College having built-up area 30598 Sq. mts @30598.00Sq.m/day*
By-products, if any, (Name with Quantity per day)	*NA @0Metric Tonnes/Day*
Details of the machinery and process	*AS PER DETAIL SUBMITTED*
Quantity of fuel required (in TPD) and capacity of boilers/ Furnace/Thermo heater etc.	*AS PER DETAIL SUBMITTED*
Type of Air Pollution Control Devices to be installed	*AS PER DETAIL SUBMITTED*
Stack height provided with each boiler/thermo heater/Furnace etc.	*NA0(Ground Level)/0(Roof Level)*
Sources of emissions and type of pollutants	*AS PER DETAIL SUBMITTED*
Standards to be acheived under Air(Prevention & Control of Pollution) Act, 1981	*AS PRESCRIBED BY THE BOARD*

08/09/2020

(Shiv Kumar)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

Endst. No.: **Dated:**

A copy of the above is forwarded to the following for information and necessary action please:

THE EE, RO, ASR.

08/09/2020

(Shiv Kumar)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

TERMS AND CONDITIONS

A. GENERAL CONDITIONS

1. This consent is not valid for getting power load from the Punjab State Power Corporation Ltd. or for getting loan from the financial institutions.
2. The industry shall apply for renewal /extension of consent at least two months before expiry of the consent.
3. The industry shall not violate any of the norms prescribed under the Air (Prevention & Control of Pollution) Act, 1981, failing which, the consent shall be cancelled / revoked.
4. The achievement of adequacy and efficiency of the air pollution control devices installed shall be the entire responsibility of the industry
5. The authorized fuel being used shall not be changed without the prior written permission of the Board.
6. The industry shall not discharge any fugitive emissions. All gases shall be emitted through a stack of suitable height, as per the norms fixed by the Board from time to time.
7. The industry shall provide port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets.

   Specifications of the port-holes shall be as under:-

   i) The sampling ports shall be provided atleast 8 times chimney diameter downstream and 2 times upstream from the flow disturbance. For a rectangular cross section the equivalent diameter (De) shall be calculated from the following equation to determine upstream, downstream distance:-

   De = 2 LW / (L+W)

   Where L= length in mts. W= Width in mts.

   ii) The sampling port shall be 7 to 10 cm in diameter

8. The industry shall put display Board indicating environmental data in the prescribed format at the main entrance gate.
9. The industry shall discharge all gases through a stack of minimum height as specified in the following standards laid down by the Board.

   (i) Stack height for boiler plants

S.NO.	Boiler with Steam Generating Capacity	Stack heights
1.	*Less than 2 ton/hr.*	9 meters or 2.5 times the height of neighboring building which ever is more
2.	*More than 2 ton/hr. to 5 ton/hr.*	12 meters
3.	*More than 5 ton/hr. to 10 ton/hr*	15 meters
4.	*More than 10 ton/hr. to 15 ton/hr*	18 meters
5.	*More than 15 ton/hr. to 20 ton/hr*	21 meters
6.	*More than 20 ton/hr. to 25 ton/hr.*	24 meters
7.	*More than 25 ton/hr. to 30 ton/hr.*	27 meters
8.	*More than 30 ton/hr.*	30 meters or using the formula H = 14 Qg0.3or H = 74 (Qp)0.24 Where Qg = Quantity of SO2 in Kg/hr. Qp = Quantity of particulate matter in Ton/day.

Note : Minimum Stack height in all cases shall be 9.0 mtr. or as calculated from relevant formula whichever is more.

(ii) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation.

(iii) Stack height for diesel generating sets:

Capacity of diesel generating set	Height of the Stack	
0-50 KVA	Height of the building	+ 1.5 mt
50-100 KVA	-do-	+ 2.0 mt.
100-150 KVA	-do-	+ 2.5 mt.
150-200 KVA	-do-	+ 3.0 mt.
200-250 KVA	-do-	+ 3.5 mt.
250-300 KVA	-do-	+ 3.5 mt.

For higher KVA rating stack height H (in meter) shall be worked out according to the formula:

$$H = h+0.2 (KVA)0.5$$

where h = height of the building in meters where the generator set is installed.

10. The pollution control devices shall be interlocked with the manufacturing process of the industry to ensure its regular operation.

11. The existing pollution control equipment shall be altered or replaced in accordance with the directions of the Board, and no pollution control equipment or chimney shall be altered or as the case may be erected or re-erected except with the prior approval of the Board.

12. The industry will provide canopy and adequate stack with the D.G sets so as to comply with the provision of notification No GSR-371 E dated 17-5-2002(amended from time to time) issued by MOEF under Environment (Protection) Act, 1986.

13. The Govt. of Punjab, Department of Science, Technology & Environment vide its notification no.4/46/92-3ST/2839 dt. 29/12/1993 has put prohibition on the use of rice husk as fuel after 1.4.1995 except the following:-

ï¿½In the form of briquettes and use of rice husk in fluidized bed combustion.So the industry shall make the necessary arrangement to comply with the above notification.ï¿½

14. The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year

15. That the industry shall submit a yearly certificate to the effect that no addition / up-gradation/ modification/ modernization has been carried out during the previous year otherwise the industry shall apply for the varied consent.

16. a) The industry shall ensure that at any time the emission do not exceed the prescribed emissions standards laid down by the Board from time to time for such type of industry /emissions.

    b) The industry shall ensure that the emissions from each stack shall conform to the following emission standards laid down by the Board in respect of the Industrial Boilers.

Steam Generating capacity A.	*Required particulate matter B.*	
Area upto 5 Km from Other than the periphery of I and Class-II town	*Other than 'A' class*	
Less than 2 ton/hr.	800 mg/NM3	1200 mg/NM3
2 ton to 10 ton/hr.	500 mg/NM3	1000 mg/NM3
Above 10 ton to 15 ton/hr	350 mg/NM3	500 mg/NM3
Above 15 ton/hr	150 mg/NM3	150 mg/NM3

All emissions normalized to 12% carbon dioxide.

17. The industry shall ensure that the Hazardous Wastes generated from the premises are handled as per the provisions of theHazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, without any adverse effect on the environment, in any manner.

18. The air pollution control equipments shall be kept at all time in good running condition and;

(i) All failures of control equipments.

(ii) The emissions of any air pollutant into the atmosphere in excess of the standards lay down by the Board occurring or being apprehended to occur due to accident or other unforeseen act or event. 'Shall be intimated through fax to the concerned Regional Office as well as to the Director of Factories, Punjab, Chandigarh as required under rule 10 of the Punjab State Board for the Prevention and Control of Air Pollution Rules, 1983'.

19. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per hectare all along the boundary of the industrial premises.

20. The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable.

21. The industry shall comply with the conditions imposed by the SEIAA/MOEF in the Environmental Clearance granted to it as required under EIA notification dated 14/9/06, if applicable.

22. The industry shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from lab approved / authorized by the Board:-

(i) Once in Year for Small Scale Industries.

(ii) Twice/thrice/four time in a Year for Large/Medium Scale Industries.

23. The industry shall maintain the following record to the satisfaction of the Board :-

(i) Log books for running of air pollution control devices or pumps/motors used for it.

(ii) Register showing the result of various tests conducted by the industry for monitoring of stack emissions and ambient air.

(iii) Register showing the stock of absorbents and other chemicals to be used for scrubbers.

24. The industry will install the separate energy meter for running pollution control devices and shall maintain record with respect to operation of air pollution control device so as to the satisfy the Board regarding the regular operation of air pollution control device and monthly reading / record may be sent to the Board by the fifth of the following month.

25. The industry shall provide online monitoring system as applicable, for in stack emission and shall maintain the record of the same for inspection of the Board Officers.

26. The Board reserves the right to revoke the consent granted to the industry at any time, in case the industry is found violating the provisions of Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time.

27. The industry shall comply with any other conditions laid down or directions issued in due course by the Board under the provisions of the Air (Prevention & Control of Pollution) Act, 1981.

28. Nothing in this consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected to under this or any other Act.

29. Any amendments/revisions made by the Board/CPCB/MOEF in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.

30. The industry shall dispose off its solid waste generated by the burning of fuel in an Environmentally Sound Manner within the premises/outside as approved by the Board, to avoid public nuisance and air pollution problem in the area.

31. The industry shall ensure that no air pollution problem or public nuisance is created in the area due to the discharge of emissions from the industry.

32. The industry shall provide adequate arrangement for fighting the accidental leakage/discharge of any air pollutant/gas/ liquids from the vessels, mechanical equipment's etc, which are likely to cause environmental pollution.

33. The industry shall not change or alter the manufacturing process(es) and fuel so as to change the quality/quantity of emissions generated without the prior permission of the Board.

34. The industry shall earmark a land within their premises for disposal of boiler ash in an environmentally sound manner, and / or the industry shall make necessary arrangements for proper disposal of fuel ash in a scientific manner and shall maintain proper record for the same, if applicable.

35. The industry shall obtain and submit Insurance cover under the Public Liability Insurance Act, 1991.

36. The industry shall provide proper and adequate air pollution control arrangements for control emission from its fuel handling area, if applicable.

37. The industry shall comply with the code of practice as notified by the Government/Board for the type of industries where the siting guidelines / Code of Practice have been notified.

38. The industry shall not cause any nuisance/traffic hazard in vicinity of the area

39. The industry shall ensure that the noise & air emission from D.G. sets do not exceed the standards prescribed for D.G. sets by the Ministry of Environment & Forests, New Delhi.

40. The industry shall ensure that there will not be significant visible dust emissions beyond the property line

41. The industry shall provide adequate and appropriate air pollution control devices to contain emissions from handling, transportation and processing of raw material & product of the industry.

42. The Industry shall ensure that its production capacity does not exceed the capacity mentioned in the consent and shall not carry out any expansion without the prior permission / NOC of the Board.

08/09/2020

(Shiv Kumar)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

PUNJAB POLLUTION CONTROL BOARD

ZONAL OFFICE, 164, FOCAL POINT, MEHTA ROAD, AMRITSAR.

Website:- www.ppcb.gov.in

Office Dispatch No : **Registered/Speed Post** **Date:**

Industry Registration ID: *O13ASR208439* **Application No :** *12752591*

To,

Amit Sharma
194, Basant Avenue,
Amritsar,Punjab-143001

Subject: **Renewal of 'Consent to Operate'an outlet u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 for discharge of effluent.**

With reference to your application for obtaining Renewal of ï¿½Consent to Operateï¿½an outlet for discharge of the effluent u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974, you are, hereby, authorized to operate an industrial unit fordischarge of the effluent(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

1. Particulars of Consent to Operate under Water Act, 1974 granted to the industry

Consent to Operate Certificate No.	*CTOW/Renewal/ASR/2020/12752591*
Date of issue :	*08/09/2020*
Date of expiry :	*30/09/2024*
Certificate Type :	*Renewal*
Previous CTO No. & Validity :	*R16ASRCTOW3439185* *From:11/01/2016 To:31/03/2020*

2. Particulars of the Industry

Name & Designation of the Applicant	*Amit Sharma, (Chairman)*
Address of Industrial premises	*Amritsar College Of Engineering & Technology,* *12km Stone, Amritsar-jalandhar G.t. Road, Near Manawala,,* *Amritsar Ii,Amritsar-143001*
Capital Investment of the Industry	*4011.351 lakhs*
Category of Industry	*Orange*
Type of Industry	*2091-Area/Infrastructure Development Project including educational institutions, community hall, IT Park, Theme park (Not covered under EIA notification 2006)*
Scale of the Industry	*Small*
Office District	*Amritsar*
Consent Fee Details	
Raw Materials(Name with quantity per day)	*It's an Engineering College having built-up area 30598 Sq. mts @30598.00 Sq.m/day @0Metric Tonnes/Day*
Products (Name with quantity per day)	*It's an Engineering College having built-up area 30598 Sq. mts @30598.00 Sq.m/day @0Metric Tonnes/Day*
By-Products, if any,(Name with quantity per day)	*AS PER DETAIL SUBMITTED*

Details of the machinary and processes	*AS PER DETAIL SUBMITTED*
Details of the Effluent Treatment Plant	*Domestic Effluent @150.0 KLD*
Mode of Disposal	*ON TO LAND FOR PLANTATION*
Standards to be achieved under Water(Prevention & Control of Pollution) Act, 1974	*AS PRESCRIBED BY THE BOARD*

08/09/2020

(Shiv Kumar)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

Endst. No.: **Dated:**

A copy of the above is forwarded to the following for information and necessary action please:

THE EE, RO, ASR.

08/09/2020

(Shiv Kumar)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

TERMS AND CONDITIONS

A. GENERAL CONDITIONS

1. This consent is not valid for getting power load from the Punjab State Power Corporation Limited or for getting loan from the financial institutions.
2. The industry shall apply for renewal/further extension in validity of consent atleast two months before expiry of the consent.
3. The industry shall ensure that the effluent discharging through the authorized outlet shall confirm to the prescribed standards as applicable from time to time.
4. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per hectare all along the boundary of the industrial premises.
5. The achievement of the adequacy and efficiency of the effluent treatment plant/pollution control devices/re-circulation system installed shall be the entire responsibility of the industry.
6. The industry shall ensure that the Hazardous Wastes generated from the premises are handled as per the provisions of the Hazardous Wastes(Management, Handling and Trans boundary Movement) Rules, 2008 as amended time to time , without any adverse effect on the environment, in any manner
7. The responsibility to monitor the effluent discharged from the authorized outlet and to maintain a record of the same rests with the industry. The Board shall only test check the accuracy of these reports for which the industry shall deposit the samples collection and testing fee with the Board as and when required.
8. The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year.
9. The industry shall submit a yearly certificate to the effect that no addition/up-gradation/ modification/ modernization has been carried out during the previous year otherwise the industry shall apply for the varied consent.
10. During the period beginning from the date of issuance and the date of expiration of this consent, the applicant shall not discharge floating solids or visible foam.
11. Any amendments/revisions made by the Board in the tolerance limits for discharges shall be applicable to the industry from the date of such amendments/revisions.
12. The industry shall not change or alter the manufacturing process(es) so as to change the quality and/or quantity of the effluents generated without the written permission of the Board.
13. Any upset conditions in the plant/plants of the factory, which is likely to result in increased effluent and/or result in violation of the standards lay down by the Board shall be reported to the Environmental Engineer, Punjab Pollution Control Board of concerned Regional Office immediately failing which any stoppage and upset conditions that come to the notice of the Board/its officers, will be deemed to be intentional violation of the conditions of consent.
14. The industry shall provide terminal manhole(s) at the end of each collection system and a manhole upstream of final outlet (s) out of the premises of the industry for measurement of flow and for taking samples.
15. The industry shall for the purpose of measuring and recording the quantity of water consumed and effluent discharged, affix meters of such standards and at such places as approved by the Environmental Engineer, Punjab Pollution Control Board of the concerned Regional Office.
16. The industry shall maintain record regarding the operation of effluent treatment plant i.e. record of quantity of chemicals and energy utilized for treatment and sludge generated from treatment so as to satisfy the Board regarding regular and proper operation of pollution control equipment.
17. The industry shall provide online monitoring equipmentï¿½s for the parameters as decided by concerned Regional Office with the effluent treatment plant/air pollution control devices installed, if applicable.
18. The pollution control devices shall be interlocked with the manufacturing process of the industry.
19. The authorized outlet and mode of disposal shall not be changed without the prior written permission of the Board.
20. The industry shall comply with the conditions imposed by the SEIAA / MOEF in the environmental clearance granted to it as required under EIA notification dated14/9/06, if applicable.
21. The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.
22. The industry shall not use any unauthorized out-let(s) for discharging effluents from its premises. All unauthorized outlets, if any, shall be connected to the authorized outlet within one month from the date of issue of this consent.

23. The industry shall make necessary arrangements for the monitoring of effluent being discharged by the industry and shall monitor its effluents:-

    (i) Once in Year for Small Scale Industries.

    (ii) Four in a Year for Large/Medium Scale Industries.

    (iii) The industry will submit monthly reading/ data of the separate energy meter installed for running of effluent treatment plant/re-circulation system to the concerned Regional Office of the Board by the 5th of the following month.

24. The industry shall provide electromagnetic flow meters at the source of water supply, at inlet/outlet of effluent treatment plant within one month and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th of the following month.

25. The Board reserves the right to revoke this consent at any time in case the industry is found violating any of the conditions of this consent and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 as amended from time to time.

26. The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.

27. The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse.

28. Nothing in this consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected under this or any other Act.

29. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of septic tank.

30. The diversion or bye pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except.

    (i) Where unavoidable to prevent loss of life or some property damage or

    (ii) Where excessive storm drainage or run off would damage facilities necessary for compliance with terms and conditions of this consent. The applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.

31. The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises.

32. The industry shall comply with the code of practice as notified by the Government/ Board for the type of industries where the siting guidelines/ code of practice have been notified.

33. Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed off in such a manner to prevent any pollutants from such materials from entering into natural water.

34. The industry shall re-circulate the entire cooling water and shall also re-circulate/reuse to the maximum extent the treated effluent in processes

35. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of re-circulation system/ effluent treatment plant.

36. The industry shall make proper disposal of the effluent so as to ensure that no stagnation occurs inside and outside the industrial premises during rainy season and no demand period.

37. Where excessive storm water drainage or run off, would damage facilities necessary for compliance with terms and conditions of this consent, the applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.

38. The industry shall submit a detailed plan showing therein the distribution system for conveying waste-water for application on land for irrigation along with the crop pattern for the year.

39. The industry shall ensure that the effluent discharged by it is toxicity free.

40. The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.

41. Drains causing oil & grease contamination shall will be segregated. Oil & grease trap shall be provided to recover oil & grease from the effluent.

42. The industry shall establish sufficient number of piezometer wells in consultation with the concerned Regional Office, of the Board to monitor the impact on the Ground Water Quantity due to the industrial operations, and the monitoring shall be submitted to the Environmental Engineer of the concerned Regional Office by the 5th of every month.

43. The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the consent and shall not carry out any expansion without the prior permission/NOC of the Board.

08/09/2020

(Shiv Kumar)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

Amritsar Group of Colleges, Amritsar

4. Clean and green campus recognitions / awards

Attachments/Proofs

Sr. No.	Particular
1.	AGC awarded with “Best Organic Farmer” award at Kisan Mela at KVK Tarn- Taran.
2.	AGC got Best Stall award in Kissan Mela at KVK Tarn-Taran.

AMRITSAR GROUP OF COLLEGES

Autonomous status conferred by UGC under UGC act-1956, (2f), NAAC-A Grade

Campus recognitions / awards

Madam Ragini Sharma, Director Finance AGC awarded with “Best Organic Farmer” award at Kisan Mela at KVK Tarn- Taran. She received award from Cabinet Minister Laljeet Singh Bhullar.

Department of Agriculture, AGC participated in Kissan Mela at KVK Tarn-Taran and got the award of **Best Stall** in Kissan Mela.


ਨਾਮਧਾਰੀ ਰਿਆੜ ਡੇਅਰੀ ਦੀ ਸਪੈਸ਼ਲ

Agriculture Students of Amritsar Group of Colleges visited Kisan Mela organized at Krishi Vigyan Kendra (KVK), Booh (Tarn Taran), to represent the Hydroponic techniques in which leafy vegetables can be grown without soil. Moreover, students got acquainted with the latest techniques in agriculture.

Amritsar Group of Colleges, Amritsar

5. Beyond the Campus environmental promotion activities

Attachments/Proofs

Sr. No.	Particular
1.	Beyond the campus Environmental Promotional Activities
2.	Glimpses of Environmental Promotional Activities
3.	Tree plantation at village Rajewal
4.	Tree plantation at village Manawala
5.	Save water campaign by our students at Alpha Mall Amritsar
6.	Free reading materials (literature to save environment) distribution by our college to students of schools)
7.	In collaboration with Kheti Virasat Mission, we organized Amritsar's First National Millet-2019 on 2nd April 2019. The moto of this activity is to save the environment by promoting millets and decreasing use of pesticides harmful to environment.
8.	Kisan Mela is organized by the College with the aim to save the environment from harmful & excessive use of pesticides,

Ref. No. _____

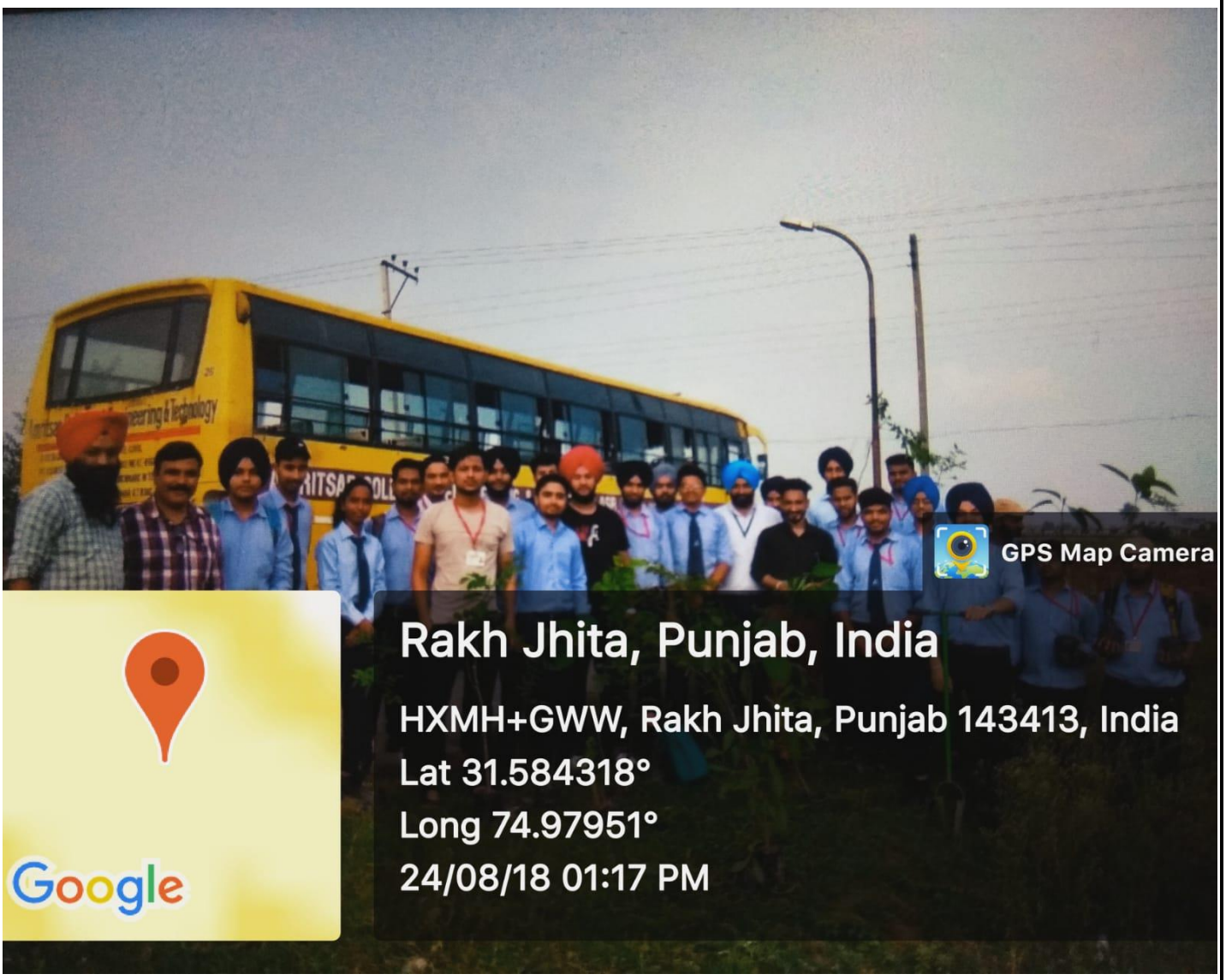
Date: 17/01/2022

Beyond the campus Environmental Promotional Activities

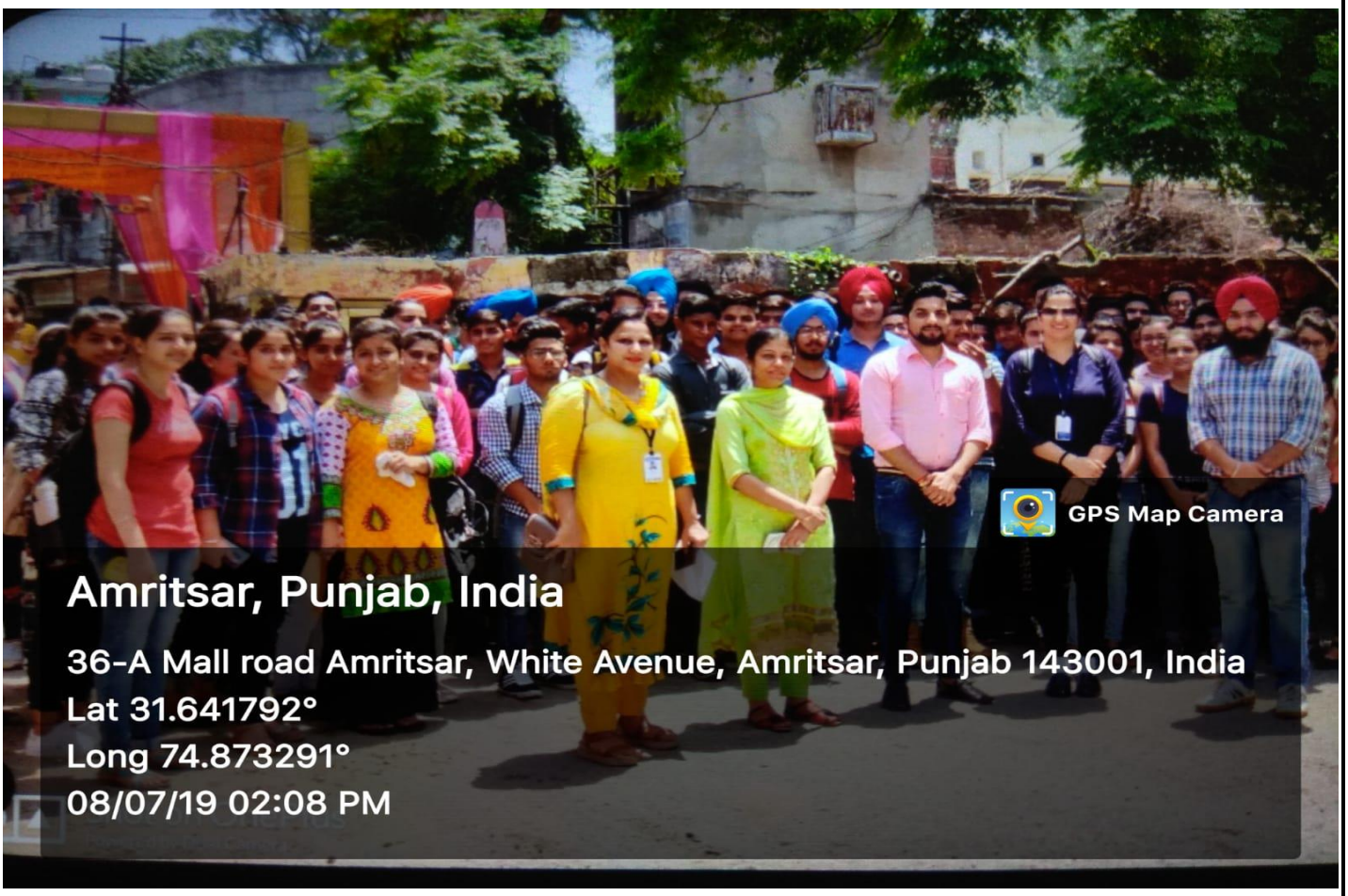
Amritsar Group of Colleges, Amritsar is an educational institution located in Amritsar Punjab with an area of 20 Acres and a population of 5000 including students and staff. As a responsible technical institution, environment review, assessment and management is made a part of the curriculum for the students. AGC clearly understands its responsibility of contribution to the national environmental sustainability by strictly implementing on campus activities and beyond campus environmental promotional activities. NSS unit of college organizes various sessions, interactions, lectures and campaigns in order to spread awareness among the rural masses around the vicinity of the college. Drives like Tree plantation and Sanitation in nearby villages through NSS camps time to time. The college has frequent interactions with the Gram Panchayats and Gram Samitis for the purpose of educating and developing a sense to perform environment friendly activities. Soil testing lab is providing a valuable service to the farmers of far and near villages to help them understand the quality of the soil to receive good harvest. It is serving both the ends social as well as economic welfare of the farmers. Apart from this, lectures on Physical Hygiene, Awareness about the non use of Plastic and Polythene Bags, stress on organic farming in the interest of good health of the people, awareness campaigns for youth regarding Drugs-de addiction.

Principal,
Amritser Group of Colleges,
AMRITSAR.

Glimpses of Environmental Promotional Activities


GPS Map Camera
Rakh Jhita, Punjab, India
HXMH+GWW, Rakh Jhita, Punjab 143413, India
Lat 31.584318°
Long 74.97951°
24/08/18 01:17 PM
Google


AMRITSAR
GROUP OF COLLEGES
Tree Plantation
World
GPS Map Camera
Amritsar, Punjab, India
36-A Mall road Amritsar, White Avenue, Amritsar, Punjab 143001, India
Lat 31.641792°
Long 74.873291°
08/07/19 02:10 PM


GPS Map Camera
Amritsar, Punjab, India
36-A Mall road Amritsar, White Avenue, Amritsar, Punjab 143001, India
Lat 31.641792°
Long 74.873291°
08/07/19 02:08 PM


WE PLEDGE TO SAVE WATER
NOVELTY HYUNDAI
Red Riding
WATER IS LIFE PLEASE SAVE IT
NO WATER NO LIFE
SAVE WATER FOR THE NEXT GENERATION
SAVE WATER SAVE FUTURE


for free Distribution
General Books


ALPHABET BOOK

Amritsar Group of Colleges (AGC) in collaboration with Kheti Virasat Mission organized Amritsar's First National Millet-2019 on 2nd April 2019. This activity is to save the environment by promoting millets and decreasing use of pesticides harmful to environment.

A fest in which everyone explored about the use of Millets and their health benefits in daily life. One of the main mottos of the event was regional promotion and marketing of organic produce and to bring together farmers, buyers, sellers, exporters and consumers, as well as organic product processors, manufacturers of farm equipment and other stakeholders on a single platform for knowledge sharing, exploring business opportunities, networking and promoting investments.

The fest was organized in AGC's Organic Agro Farm. The AGC Agro farm is fully equipped with latest techniques and comprises of beautiful gardens like Bonsai garden, Cactus garden, Fruit nursery, Polyhouse, Hydroponics, Ornamental garden, Medicinal Herbal garden, Spice valley. More than 1000 people including Medical Officers, Doctors, Dieticians, Farmers and city mob along with the faculty and students attended the National Millet Fest 2019.

Master Chef "Millet" Rambabu was the Chief Guest for the event. Shri Umendra Dutt ji(Executive Director Kheti Virasat Mission) addressed the audience with an informative speech on Millets and their usage in daily diet. Millet Rambabu (Master Chef) from Hyderabad conducted a workshop on Millets that was enjoyed by all.

Shri Amit Sharma (Chairman & CEO, AGC), Madam Ragini Sharma (Director Finance), Dr. Rajneesh Arora (Managing Director) congratulated entire team for the first National Millet Fest. Dr V.K. Banga (Principal ACET) highly appreciated the contribution of

Department of Agriculture & Department of Hotel Management for the conduct of Millet Fest.


National
MILLET FEST 2019
@ Amritsar (2nd April, 2019)
Ever in
MRITSAR


Ever in
AMRITSAR
@ Amritsar (2nd
Collabo

Schedule of the Event:

AMRITSAR GROUP OF COLLEGES

DR. SM BHATT (HOD)
Amritsar College of Engineering & Technology, Amritsar Department of Agriculture Contact 8556092620,drsmbhatt@gmail.com

Title of workshop	Name of Faculty	Proposed Date
1. Growing of vegetables under polyhouse conditions	Mr. Amrinder Singh and Ms. Nancy Sabharwal	25-SEPT,2019
2. Preparation of compost and biopesticides from various waste	Mr. Jaskaran Singh and Mrs. Baljeet Kaur	26-SEPT,2019
3. Container gardening of horticultural crops	Dr. Gurbir Singh Mahal	30 SEPT 2019
4. Analysis of visual symptoms of virus infected crops and their remedies by biopesticides (Agri Clinic)	Mrs. Poonam Chaudhary	1,OCT,2019
5. Soil and water testing analysis	Mrs. Vishakha Gilhotra and Ms. Jeevanjot Kaur	7,OCT,2019
6. Commercial mushroom cultivation	Dr. S.M. Bhatt	15,OCT,2019
7. Plant tissue culture of BANANA	Dr. S.M. Bhatt	22, OCTOBER,2019
8. High tech nursery raising	Mr. Vishal	23, OCTOBER,2019
9. Workshop on zero budget farming and enhancing secondary income of farmers	Mrs. Pardeep Kaur	28 OCTBER, 2019
10. Vegetable cultivation in hydroponics	Mr. Gurpreet Singh	29,OCTOBER,2019
11. SPAWN DEVELOPMENT OF MUSHROOM		30,OCTOBER, 2019

REGISTRATION FEE:

For students and farmers:	750/-only
For commercial training such as "PTC", "SPAWN DEVELOPMENT", AND BUTTON MUSHROOM "	2500/-ONLY

HOD
(AGRICULTURE)

Summary of the Event:

Kisan Mela was organized on **24th Sep 2019** at **Amritsar College of Engineering and Technology, Amritsar**. Total **5000 farmers** attended the event. With the aim to save the environment from harmfl use of pesticides, Following events were demonstrated to aware the masses:

Hydroponics

Bonsai

Various Types of Compost

Nursery Rising

Hanging Garden

Mushroom Boilers

Workshop Display

Zero Budget Farming

Survey done for Biofertilizers

Glimpses of the Event

Press Coverage of the Event

ਸਿਹਤਮੰਦ ਪਰਮਜੀਤ ਕੌਰ ਹਾਜ਼ਰ ਸਨ।

ਵਰਕਸ਼ਾਪ ਦੌਰਾਨ ਫਾਇਰ ਸੇਫਟੀ ਦੀ ਵਰਤੋਂ ਕਰਦੇ ਡਿਪਸ ਰਈਆ ਦੇ ਸਟਾਫ ਮੈਂਬਰ। (ਆਕਾਸ਼ ਦੀਪ)

ਪਾਲੀਟੈਕਨਿਕ ਕਾਲਜ, ਖਾਲਸਾ ਕਾਲਜ ਆਫ ਇੰਜੀ: ਐਂਡ ਟੈਕਨਾਲੋਜੀ, ਪੀ. ਆਈ.

ਜ਼ਿਲਾ ਪੱਧਰੀ ਕਿਸਾਨ ਕੈਂਪ ਦੌਰਾਨ ਕਿਸਾਨਾਂ ਨੂੰ ਫਸਲਾਂ ਦੀ ਰਹਿੰਦ-ਖੂੰਹਦ ਨਾ ਸਾੜਨ 'ਤੇ ਜ਼ੋਰ

ਵਾਢੀ 'ਚ ਰੁੱਝੇ ਹੋਣ ਦੇ ਬਾਵਜੂਦ ਵੱਡੀ ਗਿਣਤੀ 'ਚ ਕਿਸਾਨ ਹੋਏ ਸ਼ਾਮਿਲ

ਜੰਡਿਆਲਾ ਗੁਰੂ, 24 ਸਤੰਬਰ (ਮਾਂਗਟ, ਜਗਤਾਰ)-ਹਾੜ੍ਹੀ ਦੀਆਂ ਫ਼ਸਲਾਂ ਦੀ ਤਕਨੀਕੀ ਜਾਣਕਾਰੀ ਦੇਣ ਲਈ ਖੇਤੀਬਾੜੀ ਅਤੇ ਕਿਸਾਨ ਭਲਾਈ ਵਿਭਾਗ ਪੰਜਾਬ ਜ਼ਿਲਾ ਅੰਮ੍ਰਿਤਸਰ ਵੱਲੋਂ ਅੰਮ੍ਰਿਤਸਰ ਕਾਲਜ ਆਫ ਇੰਜੀਨੀਅਰਿੰਗ ਐਂਡ ਟੈਕਨਾਲੋਜੀ ਮਾਨਾਂਵਾਲਾ ਵਿਖੇ ਜ਼ਿਲਾ ਪੱਧਰੀ ਕਿਸਾਨ ਸਿਖਲਾਈ ਕੈਂਪ ਅਤੇ ਖੇਤੀ ਪ੍ਰਦਰਸ਼ਨੀ ਲਾਈ ਗਈ, ਜਿਸ ਵਿਚ ਵਾਢੀ 'ਚ ਰੁੱਝੇ ਹੋਣ ਦੇ ਬਾਵਜੂਦ ਵੱਡੀ ਗਿਣਤੀ ਵਿਚ ਕਿਸਾਨਾਂ ਨੇ ਭਾਗ ਲਿਆ। ਪ੍ਰਮੁੱਖ ਪਲਾਨਿੰਗ ਸਲਾਹਕਾਰ ਮੁੱਖ ਮੰਤਰੀ ਅਤੇ ਵਿਧਾਇਕ ਹਲਕਾ ਅਟਾਰੀ ਤਰਸੇਮ ਸਿੰਘ ਡੀ.ਸੀ. ਤੇ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ ਸ਼ਿਵਦੁਲਾਰ ਸਿੰਘ ਢਿੱਲੋਂ ਨੇ ਸਮਾਗਮ ਦੀ ਪ੍ਰਧਾਨਗੀ ਕੀਤੀ ਤੇ ਕਿਸਾਨਾਂ ਨੂੰ ਝੋਨੇ ਦੀ ਪਰਾਲੀ ਨੂੰ ਅੱਗ ਨਾ ਲਾਉਣ ਦੀ ਅਪੀਲ ਕੀਤੀ।

ਕਿਸਾਨ ਸਿਖਲਾਈ ਕੈਂਪ ਦਾ ਉਦਘਾਟਨ ਕਰਦੇ ਵਿਧਾਇਕ ਤਰਸੇਮ ਸਿੰਘ ਡੀ. ਸੀ., ਨਾਲ ਚੇਅਰਮੈਨ ਦਿਲਰਾਜ ਸਿੰਘ ਸਰਕਾਰੀਆ, ਡਾ. ਦਲਬੀਰ ਸਿੰਘ ਢੀਨਾ, ਪ੍ਰਭਦੀਪ ਸਿੰਘ ਗਿੱਲ ਤੇ ਹੋਰ। (ਜਗਵੰਤ)

ਡਾ. ਸੁਤੰਤਰ ਕੁਮਾਰ ਐਰੀ ਡਾਇਰੈਕਟਰ ਖੇਤੀਬਾੜੀ ਅਤੇ ਕਿਸਾਨ ਭਲਾਈ ਵਿਭਾਗ ਵੱਲੋਂ ਕੈਂਪ ਦਾ ਰਸਮੀ ਉਦਘਾਟਨ ਕੀਤਾ ਗਿਆ। ਕੈਂਪ 'ਚ ਦਿਲਰਾਜ ਸਿੰਘ ਸਰਕਾਰੀਆ ਚੇਅਰਮੈਨ ਜ਼ਿਲਾ ਪ੍ਰੀਸ਼ਦ ਅੰਮ੍ਰਿਤਸਰ ਵੀ ਉਚੇਚੇ ਤੌਰ 'ਤੇ ਸ਼ਾਮਿਲ ਹੋਏ, ਜਿਨ੍ਹਾਂ ਹਾੜ੍ਹੀ ਦੀਆਂ ਫਸਲਾਂ ਦੇ ਪ੍ਰਬੰਧਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿੱਤੀ। ਉਨ੍ਹਾਂ ਕਿਹਾ ਕਿ ਖੇਤੀ ਮਾਹਿਰਾਂ ਵੱਲੋਂ ਹਾੜ੍ਹੀ ਦੀਆਂ ਫਸਲਾਂ ਸਬੰਧੀ ਜੋ ਤਕਨੀਕੀ ਗਿਆਨ ਤੁਸੀਂ ਅੱਜ ਹਾਸਲ ਕੀਤਾ ਹੈ, ਇਸ ਨੂੰ ਆਪਣੇ ਖੇਤਾਂ 'ਚ ਅਪਣਾ ਕੇ ਭਰਪੂਰ ਲਾਭ ਉਠਾਇਆ ਜਾਵੇ ਤੇ ਪ੍ਰਦਰਸ਼ਨੀ 'ਚ ਵੀ ਜੋ ਨਵੀਂ ਮਸ਼ੀਨਰੀ ਦੇਖ ਕੇ ਆਏ ਹੋ, ਦੀ ਵਰਤੋਂ ਕਰ ਕੇ ਫਸਲਾਂ ਦੀ ਰਹਿੰਦ-ਖੂੰਹਦ ਨੂੰ ਅੱਗ ਲਾਉਣ ਦੀ ਬਜਾਏ ਇਸ ਨੂੰ ਜ਼ਮੀਨ 'ਚ ਹੀ ਮਿਲਾਇਆ ਜਾਵੇ। ਉਨ੍ਹਾਂ ਝੋਨੇ ਦੀ ਪਰਾਲੀ ਨੂੰ ਅੱਗ ਨਾ ਲਾਉਣ ਦੀ ਅਪੀਲ ਵੀ ਕੀਤੀ। ਡਾ. ਦਲਬੀਰ ਸਿੰਘ ਢੀਨਾ ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫ਼ਸਰ ਅੰਮ੍ਰਿਤਸਰ ਨੇ ਆਏ ਮੁੱਖ ਮਹਿਮਾਨ ਤੇ ਕਿਸਾਨਾਂ ਨੂੰ ਜੀ ਆਇਆਂ ਕਿਹਾ ਤੇ ਜ਼ਿਲੇ 'ਚ ਚੱਲ ਰਹੀਆਂ ਵੱਖ-ਵੱਖ ਸਕੀਮਾਂ ਸਬੰਧੀ ਵਿਸਥਾਰ ਨਾਲ ਜਾਣਕਾਰੀ ਦਿੱਤੀ।

ਇਸ ਮੌਕੇ ਡਾ. ਭੁਪਿੰਦਰ ਸਿੰਘ ਢਿੱਲੋਂ, ਖੇਤੀਬਾੜੀ ਅਫ਼ਸਰ ਰਣਜੋਤ ਸਿੰਘ ਖਾਸਾ, ਜਤਿੰਦਰ ਸਿੰਘ ਗਿੱਲ, ਕੁਲਜੀਤ ਸਿੰਘ, ਤਜਿੰਦਰ ਸਿੰਘ, ਸਤਬੀਰ ਸਿੰਘ, ਮਸਤਿੰਦਰ ਸਿੰਘ, ਰਮਿੰਦਰ ਸਿੰਘ, ਪ੍ਰਿਤਪਾਲ ਸਿੰਘ, ਅਵਤਾਰ ਸਿੰਘ ਬੁੱਟਰ, ਸਰਬਜੀਤ ਸਿੰਘ, ਡੀ. ਟੀ. ਓ. ਕੁਲਵੰਤ ਸਿੰਘ (ਸਾਰੇ ਬਲਾਕ ਅਫ਼ਸਰ), ਇੰਜ. ਰਣਬੀਰ ਸਿੰਘ ਰੈਪਾਵਾ, ਵਿਸਥਾਰ ਅਫ਼ਸਰ ਪ੍ਰਭਦੀਪ ਸਿੰਘ ਗਿੱਲ ਚੇਤਨਪੁਰਾ, ਸੁਖਮਿੰਦਰ ਸਿੰਘ ਉੱਪਲ, ਸਤਵਿੰਦਰ ਸਿੰਘ, ਹੀਰਾ ਸਿੰਘ, ਪਰਮਜੀਤ ਸਿੰਘ, ਸੁਖਬੀਰ ਸਿੰਘ ਸੰਧੂ, ਅਮਰਜੀਤ ਸਿੰਘ ਬੱਲ, ਸੁਖਚੈਨ ਸਿੰਘ (ਸਾਰੇ ਏ. ਡੀ. ਓ.) ਅਤੇ ਸਬ-ਇੰਸਪੈਕਟਰ, ਫੀਲਡ ਵਰਕਰ, ਅੰਕੜਾ ਵਿਭਾਗ, ਆਤਮਾ ਸਟਾਫ, ਅਮਲਾ ਸਟਾਫ, ਕਲੈਰੀਕਲ ਸਟਾਫ, ਸਮੂਹ ਖੇਤੀਬਾੜੀ ਵਿਭਾਗ ਅਤੇ ਇਲਾਕੇ ਦੇ ਵੱਡੀ ਗਿਣਤੀ 'ਚ ਕਿਸਾਨ ਹਾਜ਼ਰ ਸਨ।

ਜ਼ਿਲ੍ਹਾ ਪੱਧਰੀ ਕਿਸਾਨ ਸਿਖਲਾਈ ਕੈਂਪ ਦਾ ਉਦਘਾਟਨ ਕਰਦੇ ਹੋਏ ਰਾਜ ਮੰਤਰੀ ਤਰਸੇਮ ਸਿੰਘ ਡੀ. ਸੀ. ਨਾਲ ਚੇਅਰਮੈਨ ਦਿਲਰਾਜ ਸਿੰਘ ਸਰਕਾਰੀਆ, ਡਾ. ਦਲਬੀਰ ਸਿੰਘ ਢੀਨਾ ਤੇ ਹੋਰ ਅਤੇ ਕੈਂਪ ਦੌਰਾਨ ਵੱਖ-ਵੱਖ ਖੇਤੀਬਾੜੀ ਸੰਦਾਂ ਤੇ ਹੋਰ ਪ੍ਰਦਰਸ਼ਨੀਆਂ ਦੇਖਦੇ ਹੋਏ। ਤਸਵੀਰਾਂ : ਗੁਰਦੀਪ ਸਿੰਘ ਨਾਗੀ

ਪੰਜਾਬ ਦਾ ਕਿਸਾਨ ਹਰ ਚੁਣੌਤੀ ਦਾ ਸਾਹਮਣਾ ਕਰਨ ਦੇ ਸਮਰੱਥ- ਰਾਜ ਮੰਤਰੀ

ਕਿਸਾਨਾਂ ਨੂੰ ਕਿਰਤ ਸੱਭਿਆਚਾਰ ਅਪਨਾਉਣ ਦੀ ਲੋੜ- ਡੀ. ਸੀ.

ਮਾਨਾਂਵਾਲਾ, 24 ਸਤੰਬਰ (ਗੁਰਦੀਪ ਸਿੰਘ ਨਾਗੀ)—ਅੰਮ੍ਰਿਤਸਰ ਗਰੁੱਪ ਆਫ਼ ਕਾਲਜਿਜ਼ ਦੇ ਵਿਹੜੇ 'ਚ ਹਾੜੀ ਦੀਆਂ ਫ਼ਸਲਾਂ ਦੀ ਤਕਨੀਕੀ ਜਾਣਕਾਰੀ ਦੇਣ ਲਈ ਖੇਤੀਬਾੜੀ ਅਤੇ ਕਿਸਾਨ ਭਲਾਈ ਵਿਭਾਗ, ਪੰਜਾਬ ਜ਼ਿਲ੍ਹਾ ਅੰਮ੍ਰਿਤਸਰ ਵਲੋਂ ਆਤਮਾ ਸਕੀਮ ਅਤੇ ਕਾਲਜ ਦੇ ਐਮ. ਡੀ. ਐਡਵੋਕੇਟ ਅਮਿਤ ਸ਼ਰਮਾ ਤੇ ਵਿੱਤ ਨਿਰਦੇਸ਼ਕ ਮੈਡਮ ਰਾਗਨੀ ਸ਼ਰਮਾ ਦੇ ਸਹਿਯੋਗ ਨਾਲ ਜ਼ਿਲ੍ਹਾ ਪੱਧਰੀ ਕਿਸਾਨ ਸਿਖਲਾਈ ਕੈਂਪ ਤੇ ਸੈਮੀਨਾਰ ਕਰਵਾਇਆ ਗਿਆ। ਅੱਜ ਦੇ ਸਮਾਗਮ ਦਾ ਉਦਘਾਟਨ ਪੰਜਾਬ ਦੇ ਰਾਜ ਮੰਤਰੀ ਤਰਸੇਮ ਸਿੰਘ ਡੀ. ਸੀ. ਨੇ ਕੀਤਾ ਜਦੋਂਕਿ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ ਸ਼ਿਵਦੁਲਾਰ ਸਿੰਘ ਢਿੱਲੋਂ ਨੇ ਸਮਾਗਮ ਦੀ ਪ੍ਰਧਾਨਗੀ ਕੀਤੀ ਅਤੇ ਡਾਇਰੈਕਟਰ ਖੇਤੀਬਾੜੀ ਸਰੰਜਰ ਕੁਮਾਰ ਐਰੀ, ਜ਼ਿਲ੍ਹਾ ਪ੍ਰੀਸ਼ਦ ਦੇ ਚੇਅਰਮੈਨ ਦਿਲਰਾਜ ਸਿੰਘ ਸਰਕਾਰੀਆ ਬਤੌਰ ਵਿਸ਼ੇਸ਼ ਮਹਿਮਾਨ ਮੌਜੂਦ ਸਨ। ਕਾਲਜ ਦੇ ਆਡੀਟੋਰੀਅਮ 'ਚ ਕਰਵਾਏ ਸੈਮੀਨਾਰ ਨੂੰ ਸੰਬੋਧਨ ਕਰਦਿਆਂ ਰਾਜ ਮੰਤਰੀ ਤਰਸੇਮ ਸਿੰਘ ਡੀ. ਸੀ. ਨੇ ਖੇਤੀਬਾੜੀ ਬਾਰੇ ਨਵੀਆਂ ਤਕਨੀਕਾਂ ਸਬੰਧੀ ਜਾਣਕਾਰੀ ਦੇਣ ਲਈ ਲਗਾਏ ਕੈਂਪ ਦੀ ਸ਼ਲਾਘਾ ਕਰਦਿਆਂ ਕਿਹਾ ਪੰਜਾਬ ਦਾ

ਅੰਮ੍ਰਿਤਸਰ ਗਰੁੱਪ ਆਫ਼ ਕਾਲਜਿਜ਼ ਦੇ ਵਿਹੜੇ 'ਚ ਜ਼ਿਲ੍ਹਾ ਪੱਧਰੀ ਕਿਸਾਨ ਸਿਖਲਾਈ ਕੈਂਪ

ਕਿਸਾਨ ਹਰ ਚੁਣੌਤੀ ਦਾ ਸਾਹਮਣਾ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੈ, ਬਸ਼ਰਤੇ ਕਿਸਾਨਾਂ ਨੂੰ ਸਮੇਂ-ਸਮੇਂ 'ਤੇ ਸਹੀ ਸੇਧ ਮਿਲਦੀ ਰਹੇ। ਉਨ੍ਹਾਂ ਕਿਹਾ ਕਿ ਪੰਜਾਬ ਸਰਕਾਰ ਨੇ ਜਿਥੇ ਆਪਣੇ ਚੋਣ ਮਨੋਰਥ 'ਚ ਕੀਤੇ ਵਾਅਦੇ ਨੂੰ ਅਮਲੀਜਾਮਾ ਪਹਿਨਾਉਂਦਿਆਂ ਕਿਸਾਨਾਂ ਦਾ ਕਰਜ਼ਾ ਮੁਆਫ਼ ਕੀਤਾ, ਉਥੇ ਖੇਤੀਬਾੜੀ ਮਹਿਕਮੇ ਰਾਹੀਂ ਵੰਡੀਆਂ ਸਹੂਲਤਾਂ ਦਿੱਤੀਆਂ ਜਾ ਰਹੀਆਂ ਹਨ। ਡਾ. ਸੁਰੰਜਰ ਕੁਮਾਰ ਐਰੀ ਨੇ ਸਰਕਾਰ ਵਲੋਂ ਖੇਤੀ ਹਿਤ ਦੀਆਂ ਸਕੀਮਾਂ ਬਾਰੇ ਅਤੇ ਹਾੜੀ ਦੇ ਪ੍ਰਬੰਧਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿੱਤੀ। ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ ਸ਼ਿਵਦੁਲਾਰ ਸਿੰਘ ਢਿੱਲੋਂ ਨੇ ਕਿਹਾ ਕਿ ਪੰਜਾਬ ਦੇ ਕਿਸਾਨ ਨੂੰ ਦੇਸ਼ ਦਾ ਅੰਨਦਾਤਾ ਕਿਹਾ ਜਾਂਦਾ ਹੈ ਪਰ ਅੱਜ ਕਿਸਾਨੀ ਲਾਭ ਦੀ ਥਾਂ ਨਿਘਾਰ ਵੱਲ ਜਾ ਰਹੀ ਹੈ। ਉਨ੍ਹਾਂ ਕਿਹਾ ਕਿ ਖੇਤੀਬਾੜੀ ਕਿੱਤਾ ਅੱਜ ਵੀ ਲਾਹੇਵੰਦ ਹੈ ਪਰ ਕਿਸਾਨ ਤੇ ਅਜੋਕੀ ਨੌਜਵਾਨ ਪੀੜ੍ਹੀ ਨੂੰ ਆਪਣੀ ਸੋਚ ਬਦਲਣ ਦੀ ਲੋੜ ਹੈ। ਚੇਅਰਮੈਨ ਦਿਲਰਾਜ ਸਿੰਘ ਸਰਕਾਰੀਆ ਨੇ ਕਿਸਾਨਾਂ ਨੂੰ ਉਤਮ ਖੇਤੀ ਕਰਨ ਵੱਲ ਪ੍ਰੇਰਦਿਆਂ ਕਿਹਾ ਕਿ ਉਹ ਨਵੀਆਂ ਤੇ ਆਧੁਨਿਕ ਮਸ਼ੀਨਾਂ ਦੀ ਵਰਤੋਂ ਕਰਕੇ ਫ਼ਸਲਾਂ ਦੀ ਰਹਿੰਦ-ਖੂੰਹਦ ਨੂੰ ਅੱਗ ਲਾਉਣ ਦੀ ਬਜਾਏ ਜ਼ਮੀਨ ਵਿਚ ਹੀ ਮਿਲਾਉਣ ਤਾਂ ਜੋ ਜ਼ਮੀਨ ਨੂੰ ਬੰਜਰ ਹੋਣ ਤੋਂ ਬਚਾਇਆ ਜਾ ਸਕੇ ਅਤੇ ਵਾਤਾਵਰਨ ਨੂੰ ਸੰਤੁਲਿਤ ਕੀਤਾ ਜਾ ਸਕੇ। ਇਸ ਮੌਕੇ ਅੰਮ੍ਰਿਤਸਰ ਦੇ ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫ਼ਸਰ ਡਾ. ਦਲਬੀਰ ਸਿੰਘ ਢੀਨਾ ਨੇ ਆਏ ਮਹਿਮਾਨਾਂ ਅਤੇ ਕਿਸਾਨਾਂ ਦਾ ਧੰਨਵਾਦ ਕਰਦਿਆਂ ਜ਼ਿਲ੍ਹੇ ਵਿਚ ਚੱਲ ਰਹੀਆਂ ਵੱਖ-ਵੱਖ ਸਕੀਮਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿੱਤੀ। ਇਸ ਤੋਂ ਪਹਿਲਾਂ ਕਿਸਾਨ ਮੇਲੇ ਵਿਚ ਖੇਤੀਬਾੜੀ, ਬਾਗਬਾਨੀ, ਪਸ਼ੂ ਪਾਲਣ, ਮੱਛੀ ਪਾਲਣ, ਡੇਅਰੀ, ਭੂਮੀ ਰੱਖਿਆ, ਮੰਗਲਾਡ, ਕੇ. ਵੀ. ਕੇ., ਖਾਦ, ਬੀਜ, ਦਵਾਈਆਂ, ਨਵੀਨਤਮ ਖੇਤੀ ਮਸ਼ੀਨਰੀ, ਖਾਲਸਾ ਕਾਲਜ ਅੰਮ੍ਰਿਤਸਰ ਅਤੇ ਸੈਲਫ਼ ਹੈਲਪ ਗਰੁੱਪਾਂ ਵਲੋਂ ਤਿਆਰ ਕੀਤੇ ਖੇਤੀ ਉਤਪਾਦਾਂ ਦੀਆਂ ਪ੍ਰਦਰਸ਼ਨੀਆਂ ਵੀ ਲਗਾਈਆਂ ਗਈਆਂ।

ਇਸ ਮੌਕੇ ਡਾ: ਰੁਪਿੰਦਰ ਸਿੰਘ ਢਿੱਲੋਂ ਡਿਪਟੀ ਡਾਇਰੈਕਟਰ ਕੇ. ਵੀ. ਕੇ., ਡਾ ਨਰਿੰਦਰ ਪਾਲ ਸਿੰਘ, ਚੇਅਰਮੈਨ ਸੁਰਿੰਦਰ ਸਿੰਘ ਰੋਪਾਵਾ, ਪਰਮਜੀਤ ਸਿੰਘ ਗੁਸਰ ਸਿੰਘ ਕੰਲਛ ਸਟੇਰ ਵਾਲੇ, ਪਰਵਿੰਦਰ ਸਿੰਘ ਰੰਗ, ਡਾ: ਸੁਖਸਿੰਦਰਜੀਤ ਸਿੰਘ, ਕੁਲਜੀਤ ਸਿੰਘ, ਰਣਜੋਤ ਸਿੰਘ, ਡਾ. ਮਸਤਿੰਦਰ ਸਿੰਘ, ਡਾ. ਤਸਿੰਦਰ ਸਿੰਘ, ਸਤਬੀਰ ਸਿੰਘ, ਜਤਿੰਦਰ ਸਿੰਘ ਗਿੱਲ, ਰਮਿੰਦਰ ਸਿੰਘ ਕੈਮੀ, ਸਰਬਜੀਤ ਸਿੰਘ, ਪ੍ਰਭਦੀਪ ਸਿੰਘ ਗਿੱਲ, ਸੁਖਮਿੰਦਰ ਸਿੰਘ ਆਦਿ ਹਾਜ਼ਰ ਸਨ। ਇਸ ਮੌਕੇ ਅਗਾਂਹਵਧੂ ਕਿਸਾਨਾਂ, ਅਧਿਕਾਰੀਆਂ ਤੇ ਕਰਮਚਾਰੀਆਂ ਨੂੰ ਖੇਤੀ ਖੇਤਰ 'ਚ ਕੀਤੇ ਵਿਸ਼ੇਸ਼ ਉਪਰਾਲਿਆਂ ਬਦਲੇ ਸਨਮਾਨਿਤ ਕੀਤਾ ਗਿਆ।