

GREEN AND ENVIRONMENT AUDIT REPORT



KHALSA COLLEGE OF PHARMACY, AMRITSAR

GT ROAD, 143001



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CERTIFICATE

this is to certify that
ENVIRONMENTAL MANAGEMENT SYSTEM of
KHALSA COLLEGE OF PHARMACY
KHALSA COLLEGE OF PHARMACY AND TECHNOLOGY
GT ROAD, AMRITSAR-143001, PUNJAB, INDIA

has been assessed and found to conform to the requirements of

ISO 14001:2015

for the following scope

IMPLEMENTATION OF GREENERY AND ENVIRONMENTAL PROMOTIONAL ACTIVITIES.

| | | |
|----------------------------------|----------|----------------------|
| CERTIFICATE NO. | : | QEMS180401202 |
| Initial Registration Date | : | 01/04/2018 |
| Issuance Date | : | 01/04/2018 |
| Surveillance Assessment | | |
| I Due Date | : | 31/03/2019 |
| II Due Date | : | 31/03/2020 |
| Date of Renewal | : | 31/03/2021 |


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Introduction

In recent times, educational institutions have shown a growing commitment to addressing environmental concerns. This has led to the introduction of innovative and sustainable concepts aimed at making these institutions eco-friendly. To ensure the preservation of the environment within their campuses, numerous educational institutions have adopted various approaches to tackle environmental issues. These approaches include promoting energy conservation, recycling waste, reducing water consumption, implementing water harvesting practices, and more.

However, it is important to acknowledge that the activities conducted by educational institutions can also have negative environmental impacts. This is where the concept of a "green audit" comes into play. A green audit is an official examination of the environmental impact of a college or educational institution. It serves as a means to assess the current environmental conditions on the institution's campus. By conducting a green audit, a college or university can gain valuable insights into how and where they are utilizing resources such as energy, water, and other materials. This information empowers the institution to identify areas where changes can be made to promote resource efficiency and savings. Additionally, it helps in assessing the nature and volume of waste generated, which can inform recycling initiatives or efforts to minimize waste production.

Green auditing and the subsequent implementation of mitigation measures benefit all stakeholders involved, including the institutions, students, and the environment. It not only raises awareness about environmental issues but also fosters a sense of responsibility and environmental values. Furthermore, it enhances the understanding of the ecological impact of the institution's operations among both staff and students. From a financial perspective, green auditing leads to cost savings through reduced resource consumption. It also provides an opportunity for students and teachers to take ownership of personal and social responsibility in promoting sustainability.

The green audit process involves gathering primary data, conducting on-site inspections with a team from the college or university, and assessing policies, activities, as well as documents and records. Through these efforts, educational institutions can better align their practices with environmentally friendly principles and contribute to a more sustainable future.



Goals of Green Audit

- To meet compliance requirements and create a report for regulatory authorities
- To identify needs, strengths, and weaknesses of the educational institute
- To review management systems and identify liabilities
- To assess environmental performance of the educational institute with the help of direct assessment.
- To promote environmental awareness among the staff and students
- To conserve non-renewable resources for betterment of future
- The long term goal is to collect the baseline data in terms of environmental parameters, calculate its impact on the environment and recommend measures to reduce them



Target Areas of Green and Environmental Auditing

- **Energy Conservation and Management:** This indicator addresses energy consumption, energy sources, energy monitoring, lighting, appliances, and vehicles.
- **Water Quality and Conservation:** This indicator addresses water consumption, water sources, irrigation, storm water, appliances and fixtures.



- **Biodiversity Conservation:** All plant and animal species - including microorganisms - are a part of biodiversity. All types of gardens, lawns and trees are considered in this aspect.
- **Waste Management:** This indicator addresses all types of waste from college and associated amenities. The minimization, safe handling, and ultimate elimination of these materials are essential to the long-term health of the planet.
- **Carbon Footprint:** This aspect is for quantifying the carbon emissions from all the parts of the institution and quantifying how much of it is sequestered with the help of landscape.

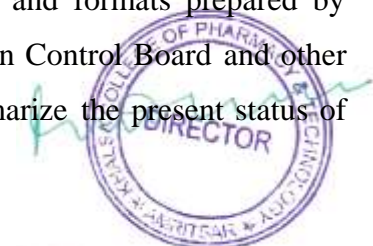


Target Areas of Green Audit

Methodology

1. Data Collection

In preliminary data collection phase, exhaustive data collection is performed using different tools such as preparation of questionnaire, physical inspection of the campus, observation and review of the documentation, interviewing key persons, etc. Focus groups, if practiced, can also be a vital part of data collection stage to acquire qualitative information. The discussion should be focused on identifying the attitudes and awareness towards environmental issues at the institutional and local level. Questionnaire (Annexure) prepared to conduct the green audit in the campus is in accordance with the guidelines, rules, acts and formats prepared by Ministry of Environment and Forest, New Delhi, Central Pollution Control Board and other statutory organizations. The data covers the target areas to summarize the present status of



environmental management in the campus.

2. Survey by Questionnaire

Baseline data for green audit report preparation was collected by questionnaire survey method. Most of the guidelines and formats are based on broad aspects. Therefore, using these guidelines and formats, combinations, modifications and restructuring was done and sets of questionnaires were prepared as solid waste, energy, water, biodiversity, carbon footprint. All the questionnaires comprises of group of modules. The first module is related to the general information of the concerned department, which broadly includes name of the department, month and year, total number of students and employees, visitors of the department, average working days and office timings etc. The next module is related to the present consumption of resources like water, energy, or the handling of solid and hazardous waste. One separate module is based on the questions related to the losses. Another module is related to maintaining records, like records of disposal of solid waste, records of solid waste recovery, etc.

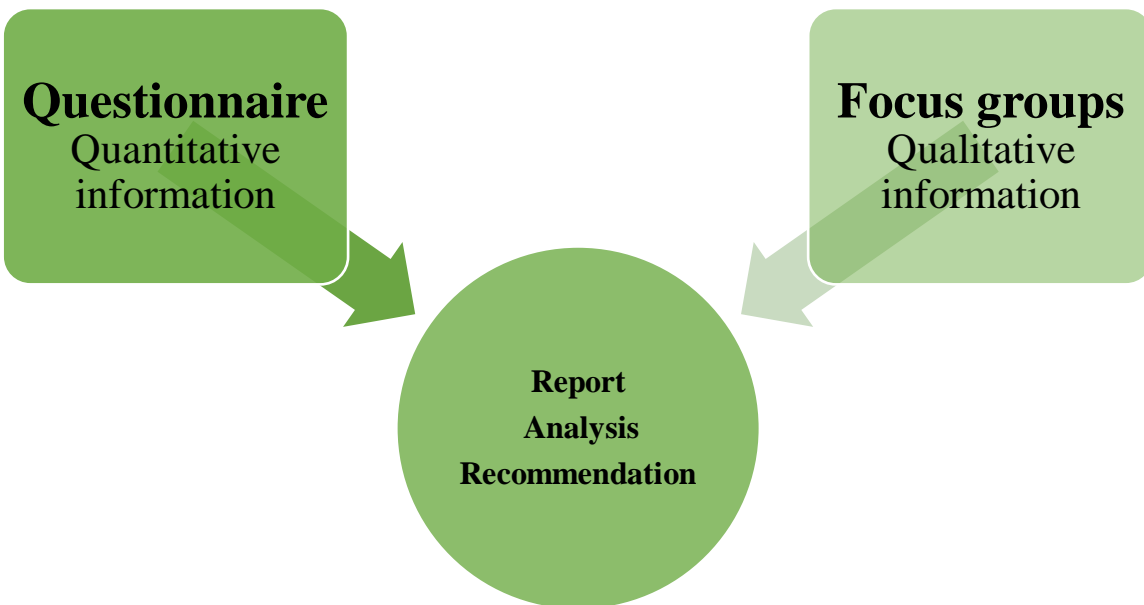
3. Data Analysis

The data required for the analysis is taken from the data collection, which includes calculation of energy consumption, analysis of the latest electricity bill of the campus, measuring water consumption, carbon foot printing, etc. The data from questionnaire and survey forms is tabulated for the convenience of data availability; Recommendations and Environmental Management Plan is built according to the analysis done in this step.

4. Recommendations and Reporting

Based on the data analysis step, some recommendations in the target areas are made. Specific measures are suggested to reduce water and energy consumption. Proper treatments of waste are suggested with respect to waste collection, waste disposal, and recycling. Recommendations to reduce the use of fossil fuels are made for the betterment of community health. Proper disposal of hazardous waste is suggested to prevent mishaps. Management also takes into account the suggestions related to reducing their carbon footprint.





Green Audit Methodology







Estd. 2009

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Date: 10/11/2018

CIRCULAR

In order to carry out the Audit and Evaluation of Green Practices at Khalsa College of Pharmacy and Technology, an audit and evaluation committee has been constituted consisting of following members.

| S. No. | Name | Position Head |
|--------|---------------------|---------------|
| 1. | Dr. R.K Dhawan | Chairperson |
| 2. | Dr. Narinder Kaur | Member |
| 3. | Dr. Varinder Soni | Member |
| 4. | Dr. Amandeep Bhatia | Member |
| 5. | Dr. Jasjeet Kaur | Convener |

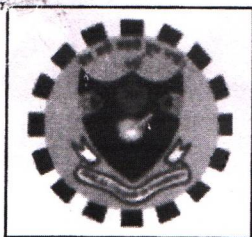
The committee will evaluate the measures followed by the institute during the period of 2018-19, to keep the environment of the campus pollution free, neat and clean. The committee may also suggest the means and ways to improvise upon the green practices.

The committee is requested to submit its findings latest by 15-12-2018.



Dr. R.K. Dhawan

(Director/Principal)



Khalsa College of Pharmacy, Amritsar

And

Khalsa College of Pharmacy & Technology, Amritsar

Green audit – analysis (Questionnaire)

1.1 General information

1. Does any Green Audit conducted earlier?

This is the first time college has gone for Green Audit in a systematic way.

2. What is the total strength (people count) of the Institute?

| | | |
|---------------------------|-------------|------------|
| Students | | |
| Male: 94 | Female: 80 | Total: 174 |
| Teachers | | |
| Male: 26 | Female: 17 | Total: 43 |
| Non-Teaching Staff | | |
| Male: 21 | Female: 14 | Total: 35 |
| Total Strength | | |
| Male: 141 | Female: 111 | Total: 252 |

3. What is the total number of working days of your campus in a year?

178

4. Where is the campus located?

The campus is located at G.T. Road, Opp. Punjab Naatshala, Amritsar, Punjab, 143001.

5. Which of the following are available in your institute?

| | |
|-----------------------------|-----------|
| Garden area | Available |
| Playground | Available |
| Kitchen | Available |
| Toilets | Available |
| Garbage Or Waste Store Yard | Available |
| Laboratory | Available |
| Canteen | Available |
| Hostel Facility | Available |
| Guest House | Available |

6. Which of the following are found near your institute?

| | |
|-------------------------------|----------------------------|
| Municipal dump yard | Not in vicinity of College |
| Garbage heap | No Garbage heaps |
| Public convenience | Available |
| Sewer line | Available |
| Stagnant water | No Stagnant Water |
| Open drainage | No |
| Industry – (Mention the type) | No |
| Bus / Railway station | Available |
| Market / Shopping complex | Available |

1.2 Waste minimization and recycling

1. Does your institute generate any waste? If so, what are they?

Yes, solid waste, paper, plastic, electronic waste, etc

- Biowaste and chemical waste
- The college has an agreement with Municipal Corporation Amritsar for pickup of solid waste.

2. What is the approximate amount of waste generated per day? (in KG approx.)

| Approx. | Bio degradable | Non-Bio degradable | Hazardous |
|---------|----------------|--------------------|-----------|
| < 1 Kg | × | ✓ | × |

3. How is the waste generated in the institute managed? By Composting, Recycling, Reusing, Others (specify)

| S.No. | | Yes/No | How |
|-------|--|--------|---|
| 1. | Reusing | Yes | Reuse paper |
| 2. | Do you use recycled paper in College? | No | |
| 3. | How would you spread the message of recycling to other in the community? | Yes | Community out-reach programmes are conducted. |
| 4. | Have you taken any initiatives? If yes, please specify | Yes | Organized Awareness programs among stakeholders |
| 5. | Can you achieve zero garbage in your College? If yes, how? | Yes | By spreading awareness among students. |

1.3 Greening the campus

1. Is there a garden in your institute?

Yes No

2. Do students spend time in the garden?

Yes No

3. Total number of Plants in Campus?

List Attached.

4. Is the College campus having any Horticulture Department? (If yes, give details)

Yes, Total 18 staff members are available.

5. How many Tree Plantation Drives organized by campus per annum?

2 Plantation drives were organised by the institute in

6. How many trees and plants were planted in last drive? And, what is the survival rate?

Total 30 trees and plants were planted in last drive with survival rate of 65%.

1.4 Water and wastewater management

1. List uses of water in your institute

| S. No. | |
|--------|---------------------|
| 1. | Drinking |
| 2. | Gardening |
| 3. | Kitchen and Toilets |
| 4. | Laboratory |

2. How does your institute store water? Are there any water saving techniques followed in your institute?

Yes No • Water is stored in Fibre Tanks.
• The college ensures that All the faucets in the washroom and water filtration units are checked regularly & do not have any leakage.

3. Locate the point of entry of water and point of exit of waste water in your institute.

Entry - Borewell
Exit - Municipal Drainage System.



4. Write down ways that could reduce the amount of water used in your institute

- Close the taps after usage
- Maintenance and monitoring of valves in supply system to avoid overflow, leakage and spillage.
- The faucets in the washrooms and water filtration units are regularly checked.

5. Does your Institution harvest rain water? If yes, how many rain water harvesting units are there?

Yes

No

1.5 ANIMAL WELFARE

1. List the animals (wild and domestic) found on the campus (dogs, cats, squirrels, birds, insects, etc.)

Dogs - 8 (approx.) Cats - 2 (approx.)
Squirrels - 18 (approx.) Birds - 180 (approx.)

[Empty box]

2. Is there any incidence of animals getting wounded/affected due to unfavorable conditions existing in your College on nearby (like a dog getting wounded, poisoning of animals, improper caging of animals, hunting of animals, etc.)

Yes

No

What did you / your College / neighbor do? *Nil.*

1.6 CARBON FOOTPRINT - EMISSION & ABSORPTION

1. Are there energy saving methods employed in your College? If yes, please specify.

Yes

No

Switch off drills are carried out.

2. How many CFL bulbs have your College installed? If none, why not?

[Empty box]

3. Are any alternative energy sources employed/installed in your College?

Yes, Solar panels are installed.

4. Do you run "switch off" drills at College?

Yes

No

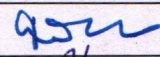
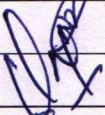
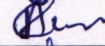
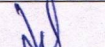

5. Are your computers and other equipment put on power-saving mode?

Yes

No

Signature

Verified by:

| S. No. | Name | Position Head | Signature |
|--------|---------------------|---------------|--|
| 1. | Dr. R.K Dhawan | Chairperson |  |
| 2. | Dr. Narinder Kaur | Member |  |
| 3. | Dr. Varinder Soni | Member |  |
| 4. | Dr. Amandeep Bhatia | Member |  |
| 5. | Dr. Jasjeet Kaur | Convener |  |



LIST OF PLANTS PRESENT IN CAMPUS

| Sr. No | Plant Name | Common Name | Therapeutic Use |
|--------|---|-------------------|--|
| 1. | <i>Nyctanthes arbortristis</i> (Oleaceae) | Haar Shingar | Arthritis |
| 2. | <i>Acacia arabica</i> Willd. (Leguminosae) | Babul | Demulcent |
| 3. | <i>Aegle marmelos</i> (L.) (Rutaceae) | Bael Fruit | Antidiarrhoeal, Antidiabetics |
| 4. | <i>Allium sativum</i> L. (Amaryllidaceae) | Garlic | Antibiotic, Fungicide, Anthelmintic, Antithrombic, Hypotensive, Hypoglycemic, |
| 5. | <i>Aloe vera</i> (L.) Burm.f. (Xanthorrhoeaceae) | Chritku maarika | Purgative |
| 6. | <i>Hibiscus rosa sinensis</i> (Malvaceae) | Shoe flower | Cancer |
| 7. | <i>Achyranthes aspera</i> (Amaranthaceae) | Puth Kander | Diuretic |
| 8. | <i>Araucaria Heterophyllia</i> (Araucariaceae) | Araucaria | Ornamental |
| 9. | <i>Azadirachta Indica</i> A.Juss (Meliaceae) | Neem | Antimicrobial, Hypoglycemic, Antipyretic |
| 10. | <i>Adiantum aethiopicum</i> (Petridaceae) | Maiden hair fern | Bronchitis |
| 11. | <i>Bryophyllum pinnatum</i> (Crassulaceae) | Kalanchoe pinnata | Hepatoprotective |
| 12. | <i>Vinca Rosea</i> (Apocynaceae) | Sadabahar | Antihypertensive |
| 13. | <i>Mentha piperta</i> (Lamiaceae) | Peppermint | Cosmetics and Perfumes |
| 14. | <i>Lantana camara</i> (Verbenaceae) | Wild sage | Anticancer |
| 15. | <i>Calotropis gigantean</i> (L.) Dryand (Apcynaceae) | Aak; Milkweed | Anti-asthamatic; Anti-inflammatory |
| 16. | <i>Tabernaemontana divaricate</i> (Apocynaceae) | Chandani | Perfuming agent |
| 17. | <i>Citrus Limon</i> (Linn). Burm, f, (Rutaceae) | Lemon | Carminative, Stomachic, Antihistaminic, |
| 18. | <i>Codiaeum variegatum</i> (L.) Rumph. Ex A. Juss (Euphorbiaceae) | Garden croton | |
| 19. | <i>Cycas Circinalis</i> L. (Cyadaceae) | Sago palm | |
| 20. | <i>Delonix regia</i> (Hook.) Raf. (Leguminosae) | Gulmohar | Antirheumatic |
| 21. | <i>Ficus Benjamina</i> L (Moraceae) | Java Fig | Diuretic |
| 22. | <i>Hibiscus rosa-sinensis</i> Linn. (Malvaceae) | Hibiscus | Impotency, Bronchial catarrh., |
| 23. | <i>Murraya koenigii</i> (Linn.) Spreng. (Rutaceae) | Curry-Leaf tree | Stomachic, Antiprotozoal, Spasmolytic; Promotes appetite and digestion, Antidysenteric |

| | | | |
|-----|---|------------------|--|
| 24. | Ocimum basilicum Linn. (Labiatae) | Sweet Basil | Stimulant, Carminative, Antispasmodic, Diuretic, Demulcent, Anti-microbial |
| 25. | Psidium guajava L. (Myrtaceae) | Guava | Antidiarrhoeal, Dysentery, Anthelmintic. |
| 26. | Pterocarpus marsupium Roxb. (Leguminosae) | Indian Kino tree | Astringent, Antihaemorrhagic, Antidiarrhoeal |
| 27. | Punica granatum Linn. (Punicaceae) | Pomegranate | Astringent, Stomachic, Digestive, Stomatitis |
| 28. | Tamarindus indica Linn. (Caesalpinaceae) | Tamarind tree | Cooling, Digestive, Carminative, Laxative, Antiscorbutic |
| 29. | Thevetia peruviana (Apocynaceae) | Kaner | Cardio protective |
| 30. | Adhotoda Vasica (Acanthaceae) | Vasaka | Expectorant |
| 31. | Polyalthia longifolia (Annonaceae) | Ashoka | Acne, Diabetes and Piles |
| 32. | Pyrus Communis (Rosaceae) | Nakh | Antioxidant |
| 33. | Punica granatum (Lythraceae) | Annar | Antioxidant |
| 34. | Carica Papaya (Caricaceae) | Papaya | Aid Digestion |
| 35. | Tinospora Cordifolia (Menispermaceae) | Guduchi | Jaundice, Anemia, Polyuria, Skin diseases, Anti-inflammatory |
| 36. | Cordyline fructicosa (Asparagaceae) | Dracenea | Ornamental |
| 37. | Tectona crandis (Lamiaceae) | Sagwan | Eczema |
| 38. | Sesbinia Rostrate (Fabaceae) | Dhinian | Antiepilepsy |
| 39. | Focus Benghalensis (Moraceae) | Banyan | Diarrhoea |
| 40. | Syzygium Cuminii (Myrtaceae) | Jamun | Hypoglycemic |
| 41. | Eucalyptus Tereticornis (Myrtaceae) | Safeda | Decongestants |
| 42. | Ficus racemose (Moraceae) | Cluter fig | Astringent |





Estd. 2009

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Date: 15/11/2019

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In order to carry out the Audit and Evaluation of Green Practices at Khalsa College of Pharmacy and Technology, an audit and evaluation committee has been constituted consisting of following members.

| S. No. | Name | Position Head |
|--------|---------------------|---------------|
| 1. | Dr. R.K Dhawan | Chairperson |
| 2. | Mrs. Juhi Kataria | Member |
| 3. | Dr. Varinder Soni | Member |
| 4. | Dr. Amandeep Bhatia | Member |
| 5. | Dr. Jasjeet Kaur | Convener |

The committee will evaluate the measures followed by the institute during the period of 2019-20, to keep the environment of the campus pollution free, neat and clean. The committee may also suggest the means and ways to improvise upon the green practices.

The committee is requested to submit its findings latest by 20-12-2019.

Dr. R.K. Dhawan
(Director/Principal)



Khalsa College of Pharmacy, Amritsar

And

Khalsa College of Pharmacy & Technology, Amritsar

Green audit – analysis (Questionnaire)

1.1 General information

1. Does any Green Audit conducted earlier?

The college has gone for green audit for the second time.

2. What is the total strength (people count) of the Institute?

| | | |
|---------------------------|-------------|------------|
| Students | | |
| Male: 95 | Female: 79 | Total: 174 |
| Teachers | | |
| Male: 18 | Female: 22 | Total: 39 |
| Non-Teaching Staff | | |
| Male: 16 | Female: 19 | Total: 35 |
| Total Strength | | |
| Male: 129 | Female: 120 | Total: 248 |

3. What is the total number of working days of your campus in a year?

180

4. Where is the campus located?

The college is located at G.T Road, Amritsar opposite Punjab Waatshala, Amritsar Punjab, 143001

5. Which of the following are available in your institute?

| | |
|-----------------------------|-------------|
| Garden area | Available |
| Playground | Available |
| Kitchen | Available |
| Toilets | Available |
| Garbage Or Waste Store Yard | - Available |
| Laboratory | Available |
| Canteen | Available |
| Hostel Facility | Available |
| Guest House | Available |

6. Which of the following are found near your institute?

| | |
|-------------------------------|------------------------------|
| Municipal dump yard | Not in Vicinity of institute |
| Garbage heap | No garbage heaps! |
| Public convenience | Available |
| Sewer line | Available |
| Stagnant water | No stagnant water |
| Open drainage | No |
| Industry – (Mention the type) | No |
| Bus / Railway station | Available |
| Market / Shopping complex | Available |

1.2 Waste minimization and recycling

1. Does your institute generate any waste? If so, what are they?

Yes, Solid Waste, Paper, Plastic, Electronic waste etc.
 Chemical waste is segregated using fuming hood

from

2. What is the approximate amount of waste generated per day? (in KG approx.)

| Approx. | Bio degradable | Non-Bio degradable | Hazardous |
|---------|----------------|--------------------|-----------|
| < 1 Kg | X | ✓ | X |

3. How is the waste generated in the institute managed? By Composting, Recycling, Reusing, Others (specify)

| S.No. | | Yes/No | How |
|-------|--|--------|---|
| 1. | Reusing | Yes | Reuse Paper |
| 2. | Do you use recycled paper in College? | NO | |
| 3. | How would you spread the message of recycling to other in the community? | Yes | Community programs were conducted to spread awareness among people. |
| 4. | Have you taken any initiatives? If yes, please specify | Yes | Awareness programs were conducted for students. |
| 5. | Can you achieve zero garbage in your College? If yes, how? | Yes | By conducting various programs and educating students regarding garbage management. |

1.3 Greening the campus

1. Is there a garden in your institute?

Yes No

2. Do students spend time in the garden?

Yes No

3. Total number of Plants in Campus?

list attached.

4. Is the College campus having any Horticulture Department? (If yes, give details)

Yes, Total 18 staff members.

5. How many Tree Plantation Drives organized by campus per annum?

3 Plantation drives were organized by the institute in last year.

6. How many trees and plants were planted in last drive? And, what is the survival rate?

Total 40 trees and plants were planted in last drive with survival rate of 60%.

1.4 Water and wastewater management

1. List uses of water in your institute

| S. No. | |
|--------|----------------------|
| 1. | Drinking |
| 2. | Gardening |
| 3. | Kitchen and Toilets. |
| 4. | Labs |

2. How does your institute store water? Are there any water saving techniques followed in your institute?

Yes No
Rain water harvesting system is implemented to save water.

3. Locate the point of entry of water and point of exit of waste water in your institute.

Entry - Bore well
Exit - municipal drainage system

4. Write down ways that could reduce the amount of water used in your institute

- Carrying your own hydration station.
- Using water conservation methods in the Campus.
- Turn off the tap as soon as you are done using it.

5. Does your Institution harvest rain water? If yes, how many rain water harvesting units are there?

Yes No

1.5 ANIMAL WELFARE

1. List the animals (wild and domestic) found on the campus (dogs, cats, squirrels, birds, insects, etc.)

| | |
|-------------------------|-------------------|
| Birds - 150 (approx) | Dogs - 6 (approx) |
| Squirrels - 15 (approx) | Cats - 3 (approx) |

[]
2. Is there any incidence of animals getting wounded/affected due to unfavorable conditions existing in your College on nearby (like a dog getting wounded, poisoning of animals, improper caging of animals, hunting of animals, etc.)

Yes No

What did you / your College / neighbor do? NA

1.6 CARBON FOOTPRINT - EMISSION & ABSORPTION

1. Are there energy saving methods employed in your College? If yes, please specify.

Yes No

- LED bulbs are used instead of CFL.
- Switch of drills are employed.

2. How many CFL bulbs have your College installed? If none, why not?

A Very limited no. of CFL bulbs are used in the Campus, LED bulbs are majorly used as they are more energy saving and environment friendly.

3. Are any alternative energy sources employed/installed in your College?

Yes.
Solar Energy Panels are installed

4. Do you run "switch off" drills at College?

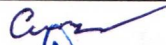




Yes No

5. Are your computers and other equipment put on power-saving mode?

Yes No

Praveen

Authorized Signature:

| S. No. | Name | Position Head | Signature |
|--------|---------------------|---------------|---|
| 1. | Dr. R.K Dhawan | Chairperson |  |
| 2. | Mrs. Juhi Kataria | Member |  |
| 3. | Dr. Varinder Soni | Member |  |
| 4. | Dr. Amandeep Bhatia | Member |  |
| 5. | Dr. Jasjeet Kaur | Convener |  |



LIST OF PLANTS PRESENT IN CAMPUS

| Sr. No | Plant Name | Common Name | Therapeutic Use |
|--------|---|-------------------|--|
| 1. | <i>Nyctanthes arbortristis</i> (Oleaceae) | Haar Shingar | Arthritis |
| 2. | <i>Acacia arabica</i> Willd. (Leguminosae) | Babul | Demulcent |
| 3. | <i>Aegle marmelos</i> (L.) (Rutaceae) | Bael Fruit | Antidiarrhoeal, Antidiabetics |
| 4. | <i>Allium sativum</i> L. (Amaryllidaceae) | Garlic | Antibiotic, Fungicide, Anthelmintic, Antithrombic, Hypotensive, Hypoglycemic, |
| 5. | <i>Aloe vera</i> (L.) Burm.f. (Xanthorrhoeaceae) | Chritku maarika | Purgative |
| 6. | <i>Hibiscus rosa sinensis</i> (Malvaceae) | Shoe flower | Cancer |
| 7. | <i>Achyranthes aspera</i> (Amaranthaceae) | Puth Kander | Diuretic |
| 8. | <i>Araucaria Heterophyllia</i> (Araucariaceae) | Araucaria | Ornamental |
| 9. | <i>Azadirachta Indica</i> A.Juss (Meliaceae) | Neem | Antimicrobial, Hypoglycemic, Antipyretic |
| 10. | <i>Adiantum aethiopicum</i> (Petridaceae) | Maiden hair fern | Bronchitis |
| 11. | <i>Bryophyllum pinnatum</i> (Crassulaceae) | Kalanchoe pinnata | Hepatoprotective |
| 12. | <i>Vinca Rosea</i> (Apocynaceae) | Sadabahar | Antihypertensive |
| 13. | <i>Mentha piperta</i> (Lamiaceae) | Peppermint | Cosmetics and Perfumes |
| 14. | <i>Lantana camara</i> (Verbenaceae) | Wild sage | Anticancer |
| 15. | <i>Calotropis gigantean</i> (L.) Dryand (Apcynaceae) | Aak; Milkweed | Anti-asthamatic; Anti-inflammatory |
| 16. | <i>Tabernaemontana divaricate</i> (Apocynaceae) | Chandani | Perfuming agent |
| 17. | <i>Citrus Limon</i> (Linn). Burm, f, (Rutaceae) | Lemon | Carminative, Stomachic, Antihistaminic, |
| 18. | <i>Codiaeum variegatum</i> (L.) Rumph. Ex A. Juss (Euphorbiaceae) | Garden croton | |
| 19. | <i>Cycas Circinalis</i> L. (Cyadaceae) | Sago palm | |
| 20. | <i>Delonix regia</i> (Hook.) Raf. (Leguminosae) | Gulmohar | Antirheumatic |
| 21. | <i>Ficus Benjamina</i> L (Moraceae) | Java Fig | Diuretic |
| 22. | <i>Hibiscus rosa-sinensis</i> Linn. (Malvaceae) | Hibiscus | Impotency, Bronchial catarrh., |
| 23. | <i>Murraya koenigii</i> (Linn.) Spreng. (Rutaceae) | Curry-Leaf tree | Stomachic, Antiprotozoal, Spasmolytic; Promotes appetite and digestion, Antidysenteric |

| | | | |
|-----|---|------------------|--|
| 24. | Ocimum basilicum Linn. (Labiatae) | Sweet Basil | Stimulant, Carminative, Antispasmodic, Diuretic, Demulcent, Anti-microbial |
| 25. | Psidium guajava L. (Myrtaceae) | Guava | Antidiarrhoeal, Dysentery, Anthelmintic. |
| 26. | Pterocarpus marsupium Roxb. (Leguminosae) | Indian Kino tree | Astringent, Antihaemorrhagic, Antidiarrhoeal |
| 27. | Punica granatum Linn. (Punicaceae) | Pomegranate | Astringent, Stomachic, Digestive, Stomatitis |
| 28. | Tamarindus indica Linn. (Caesalpinaceae) | Tamarind tree | Cooling, Digestive, Carminative, Laxative, Antiscorbutic |
| 29. | Thevetia peruviana (Apocynaceae) | Kaner | Cardio protective |
| 30. | Adhotoda Vasica (Acanthaceae) | Vasaka | Expectorant |
| 31. | Polyalthia longifolia (Annonaceae) | Ashoka | Acne, Diabetes and Piles |
| 32. | Pyrus Communis (Rosaceae) | Nakh | Antioxidant |
| 33. | Punica granatum (Lythraceae) | Annar | Antioxidant |
| 34. | Carica Papaya (Caricaceae) | Papaya | Aid Digestion |
| 35. | Tinospora Cordifolia (Menispermaceae) | Guduchi | Jaundice, Anemia, Polyuria, Skin diseases, Anti-inflammatory |
| 36. | Cordyline fructicosa (Asparagaceae) | Dracenea | Ornamental |
| 37. | Tectona crandis (Lamiaceae) | Sagwan | Eczema |
| 38. | Sesbinia Rostrate (Fabaceae) | Dhinian | Antiepilepsy |
| 39. | Focus Benghalensis (Moraceae) | Banyan | Diarrhoea |
| 40. | Syzygium Cuminii (Myrtaceae) | Jamun | Hypoglycemic |
| 41. | Eucalyptus Tereticornis (Myrtaceae) | Safeda | Decongestants |
| 42. | Ficus racemose (Moraceae) | Cluter fig | Astringent |





Estd. 2009

e-mail: khalsacop.asr2009@gmail.com

ਖਾਲਸਾ ਕਾਲਜ ਆਫ ਫਾਰਮੇਸੀ Khalsa College of Pharmacy

Ph: 0183-2450215

G.T. Road, Amritsar 143002

Web: www.khalsacollegepharmacy.org

Approved by AICTE, PCI, New Delhi & Punjab Govt. Affiliated to PTU, Kapurthala, PSBTE & IT, Chandigarh

Date: 15/06/2022

CIRCULAR

In order to carry out the Audit and Evaluation of Green Practices at Khalsa College of Pharmacy and Technology, an audit and evaluation committee has been constituted consisting of following members.

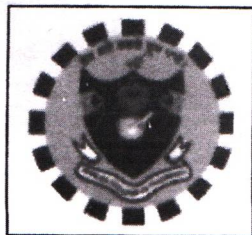
| S. No. | Name | Position Head |
|--------|---------------------|---------------|
| 1. | Dr. R.K Dhawan | Chairperson |
| 2. | Dr. Narinder Kaur | Member |
| 3. | Dr. Amandeep Bhatia | Member |
| 4. | Dr. Kavita Bhagat | Member |
| 5. | Dr. Jasjeet Kaur | Convener |

The committee will evaluate the measures followed by the institute during the period of 2022-23, to keep the environment of the campus pollution free, neat and clean. The committee may also suggest the means and ways to improvise upon the green practices.

The committee is requested to submit its findings latest by 20-07-2022.



Dr. R.K. Dhawan
(Director/Principal)



Khalsa College of Pharmacy, Amritsar

And

Khalsa College of Pharmacy & Technology, Amritsar

Green audit – analysis (Questionnaire)

1.1 General information

1. Does any Green Audit conducted earlier?

This is the 3rd time college has gone for green audit in a systematic way.

2. What is the total strength (people count) of the Institute?

| | | |
|---------------------------|-------------|------------|
| Students | | |
| Male: 89 | Female: 74 | Total: 163 |
| Teachers | | |
| Male: 18 | Female: 24 | Total: 42 |
| Non-Teaching Staff | | |
| Male: 17 | Female: 18 | Total: 35 |
| Total Strength | | |
| Male: 124 | Female: 116 | Total: 240 |

3. What is the total number of working days of your campus in a year?

181

4. Where is the campus located?

The campus is located at G.T. road, Amritsar, opposite Punjab Naatshala, Amritsar, Punjab (143001).

5. Which of the following are available in your institute?

| | |
|-----------------------------|------------|
| Garden area | Available |
| Playground | Available |
| Kitchen | Available |
| Toilets | Available |
| Garbage Or Waste Store Yard | Available |
| Laboratory | Available |
| Canteen | Available |
| Hostel Facility | Available |
| Guest House | Available. |

6. Which of the following are found near your institute?

| | |
|-------------------------------|-----------------------------|
| Municipal dump yard | Not in Vicinity of College. |
| Garbage heap | No Garbage heaps |
| Public convenience | Available |
| Sewer line | Available |
| Stagnant water | No Stagnant water |
| Open drainage | No |
| Industry – (Mention the type) | No |
| Bus / Railway station | Available |
| Market / Shopping complex | Available. |

1.2 Waste minimization and recycling

1. Does your institute generate any waste? If so, what are they?

Yes, Solid waste, paper, plastic, electronic waste etc.

The college has agreement with amritsar Environ can to decompose Bio waste.

2. What is the approximate amount of waste generated per day? (in KG approx.)

| Approx. | Bio degradable | Non-Bio degradable | Hazardous |
|---------|----------------|--------------------|-----------|
| < 1 Kg | X | ✓ | X |

3. How is the waste generated in the institute managed? By Composting, Recycling, Reusing, Others (specify)

| S.No. | | Yes/No | How |
|-------|--|--------|---|
| 1. | Reusing | Yes | By Reusing Papers. |
| 2. | Do you use recycled paper in College? | No | |
| 3. | How would you spread the message of recycling to other in the community? | Yes | By conducting community programmes and spreading awareness. |
| 4. | Have you taken any initiatives? If yes, please specify | Yes | Installation of plastic recycling machines. |
| 5. | Can you achieve zero garbage in your College? If yes, how? | Yes | By spreading awareness among students |

1.3 Greening the campus

1. Is there a garden in your institute?

Yes No

2. Do students spend time in the garden?

Yes No

3. Total number of Plants in Campus?

List Attached

4. Is the College campus having any Horticulture Department? (If yes, give details)

Yes, 18 Staff Members



5. How many Tree Plantation Drives organized by campus per-annum?

2 Drives Conducted.

6. How many trees and plants were planted in last drive? And, what is the survival rate?

30 plants were planted with survival rate of 60%.

1.4 Water and wastewater management

1. List uses of water in your institute

| S. No. | |
|--------|---------------------|
| 1. | Drinking |
| 2. | Gardening |
| 3. | Kitchen and Toilets |
| 4. | Labs |

2. How does your institute store water? Are there any water saving techniques followed in your institute?

Yes

No

The college have fiber tank with cover to avoid evaporation of water.

3. Locate the point of entry of water and point of exit of waste water in your institute.

Entry - Borewell

Exit - Municipal Drainage System.

4. Write down ways that could reduce the amount of water used in your institute

- Watering the garden in evening to avoid evaporation.
- Maintaining valves in supply system to avoid overflow, leakage and spillage.
- All the faucets are checked regularly to avoid leakage.

5. Does your Institution harvest rain water? If yes, how many rain water harvesting units are there?

Yes No

1.5 ANIMAL WELFARE

1. List the animals (wild and domestic) found on the campus (dogs, cats, squirrels, birds, insects, etc.)

| | |
|----------------------|-------------------------|
| Dogs - 5 (Approx) | Squirrels - 20 (Approx) |
| Birds - 200 (Approx) | Cats - 10 (Approx) |



[Empty box]

2. Is there any incidence of animals getting wounded/affected due to unfavorable conditions existing in your College on nearby (like a dog getting wounded, poisoning of animals, improper caging of animals, hunting of animals, etc.)

Yes

No

What did you / your College / neighbor do?

N.A.

1.6 CARBON FOOTPRINT - EMISSION & ABSORPTION

1. Are there energy saving methods employed in your College? If yes, please specify.

Yes No

2. How many CFL bulbs have your College installed? If none, why not?

[Empty box]

3. Are any alternative energy sources employed/installed in your College?

Yes
Solar panels.

4. Do you run "switch off" drills at College?

Yes


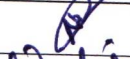
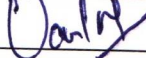
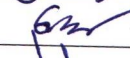

No

5. Are your computers and other equipment put on power-saving mode?

Yes

No

Verified By:

| S. No. | Name | Position Head | Signature |
|--------|--------------------|---------------|---|
| 1. | Dr. R.K Dhawan | Chairperson |  |
| 2. | Dr. Narinder Kaur | Member |  |
| 3. | Dr. Varinder Soni | Member |  |
| 4. | Dr. Gurpreet Singh | Member |  |
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LIST OF PLANTS PRESENT IN CAMPUS

| Sr. No | Plant Name | Common Name | Therapeutic Use |
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| | | | |
|-----|---|------------------|--|
| 24. | Ocimum basilicum Linn. (Labiatae) | Sweet Basil | Stimulant, Carminative, Antispasmodic, Diuretic, Demulcent, Anti-microbial |
| 25. | Psidium guajava L. (Myrtaceae) | Guava | Antidiarrhoeal, Dysentery, Anthelmintic. |
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| 29. | Thevetia peruviana (Apocynaceae) | Kaner | Cardio protective |
| 30. | Adhotoda Vasica (Acanthaceae) | Vasaka | Expectorant |
| 31. | Polyalthia longifolia (Annonaceae) | Ashoka | Acne, Diabetes and Piles |
| 32. | Pyrus Communis (Rosaceae) | Nakh | Antioxidant |
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| 39. | Focus Benghalensis (Moraceae) | Banyan | Diarrhoea |
| 40. | Syzygium Cuminii (Myrtaceae) | Jamun | Hypoglycemic |
| 41. | Eucalyptus Tereticornis (Myrtaceae) | Safeda | Decongestants |
| 42. | Ficus racemose (Moraceae) | Cluter fig | Astringent |





Estd. 2009

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Date: 05/06/2021

CIRCULAR

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| S. No. | Name | Position Head |
|--------|--------------------|---------------|
| 1. | Dr. R.K Dhawan | Chairperson |
| 2. | Dr. Narinder Kaur | Member |
| 3. | Dr. Varinder Soni | Member |
| 4. | Dr. Gurpreet Singh | Member |
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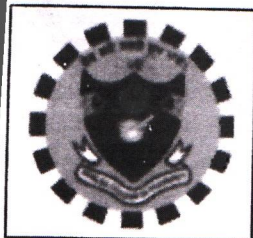
The committee will evaluate the measures followed by the institute during the period of 2021-22, to keep the environment of the campus pollution free, neat and clean. The committee may also suggest the means and ways to improvise upon the green practices.

The committee is requested to submit its findings latest by 10-07-2021.



Dr. R.K. Dhawan

(Director/Principal)



Khalsa College of Pharmacy, Amritsar
And
Khalsa College of Pharmacy & Technology, Amritsar
Green audit – analysis (Questionnaire)

1.1 General information

1. Does any Green Audit conducted earlier?

The college has conducted green audit for the forth time.

2. What is the total strength (people count) of the Institute?

| | | |
|---------------------------|-------------|------------|
| Students | | |
| Male: 88 | Female: 74 | Total: 162 |
| Teachers | | |
| Male: 20 | Female: 26 | Total: 46 |
| Non-Teaching Staff | | |
| Male: 18 | Female: 17 | Total: 35 |
| Total Strength | | |
| Male: 126 | Female: 117 | Total: 243 |

3. What is the total number of working days of your campus in a year?

175

4. Where is the campus located?

The college is located at G.T Road, Amritsar, opposite Punjab Naatshala, Amritsar, Punjab, 143001

5. Which of the following are available in your institute?

| | |
|-----------------------------|-----------|
| Garden area | Available |
| Playground | Available |
| Kitchen | Available |
| Toilets | Available |
| Garbage Or Waste Store Yard | Available |
| Laboratory | Available |
| Canteen | Available |
| Hostel Facility | Available |
| Guest House | Available |

6. Which of the following are found near your institute?

| | |
|-------------------------------|------------------------------------|
| Municipal dump yard | Not present in vicinity of college |
| Garbage heap | Not present |
| Public convenience | Available |
| Sewer line | Available |
| Stagnant water | No |
| Open drainage | No |
| Industry – (Mention the type) | No |
| Bus / Railway station | Available |
| Market / Shopping complex | Available |

1.2 Waste minimization and recycling

1. Does your institute generate any waste? If so, what are they?

Yes, Solid Waste, paper, plastic, Biowaste, chemical Waste, etc.

The college has built fuming hoods for chemical waste and for bio waste segregation the college has MoU with Amritsar Environ Care.

Amritsar

2. What is the approximate amount of waste generated per day? (in KG approx.)

| Approx. | Bio degradable | Non-Bio degradable | Hazardous |
|---------|----------------|--------------------|-----------|
| < 1 Kg | X | ✓ | X |

3. How is the waste generated in the institute managed? By Composting, Recycling, Reusing, Others (specify)

| S.No. | | Yes/No | How |
|-------|--|--------|---|
| 1. | Reusing | Yes | Reusing paper. |
| 2. | Do you use recycled paper in College? | No | |
| 3. | How would you spread the message of recycling to other in the community? | Yes | By conducting community programs to spread awareness. |
| 4. | Have you taken any initiatives? If yes, please specify | Yes | The College has conducted environment awareness program |
| 5. | Can you achieve zero garbage in your College? If yes, how? | Yes | Yes, By spreading awareness regarding garbage management. |

1.3 Greening the campus

1. Is there a garden in your institute?

Yes

No

2. Do students spend time in the garden?

Yes

No

3. Total number of Plants in Campus?

List of Plants attached.

4. Is the College campus having any Horticulture Department? (If yes, give details)

Yes, Total 18 staff members are deployed in Horticulture

5. How many Tree Plantation Drives organized by campus per annum?

2 Plantation drives were organized by the campus in last year.

6. How many trees and plants were planted in last drive? And, what is the survival rate?

Total 35 plants were planted with 70% survival rate.

1.4 Water and wastewater management

1. List uses of water in your institute

| S. No. | |
|--------|------------------|
| 1. | Drinking |
| 2. | Gardening |
| 3. | Toilets and labs |
| 4. | Kitchen |

2. How does your institute store water? Are there any water saving techniques followed in your institute?

Yes

No

The water is stored in water tanks.

- The college have fibre tanks to avoid evaporation.
- Water Tanks and coolers are checked regularly.
- Taps and Valves are checked regularly for leakage.

3. Locate the point of entry of water and point of exit of waste water in your institute.

ENTRY :- Bore well

EXIT :- Municipal Drainage system.

4. Write down ways that could reduce the amount of water used in your institute

- Taps are closed after usage.
- Rain water harvesting system is installed.
- Watering the gardens in evening to avoid evaporation.
- Faucets and valves are maintained regularly to prevent leakage and spillage of water.

5. Does your Institution harvest rain water? If yes, how many rain water harvesting units are there?

Yes

No

1.5 ANIMAL WELFARE

1. List the animals (wild and domestic) found on the campus (dogs, cats, squirrels, birds, insects, etc.)

Dogs - 5 (approx) Squirrels - 15 (approx)
Cats - 3 (approx) Birds - 100 (approx)

[]
2. Is there any incidence of animals getting wounded/affected due to unfavorable conditions existing in your College or nearby (like a dog getting wounded, poisoning of animals, improper caging of animals, hunting of animals, etc.)

Yes

No

What did you / your College / neighbor do? *NA*

1.6 CARBON FOOTPRINT - EMISSION & ABSORPTION

1. Are there energy saving methods employed in your College? If yes, please specify.

Yes

No

- LED lamps are installed.
- Solar panels are installed.
- Switch off drills are employed

2. How many CFL bulbs have your College installed? If none, why not?

[]

3. Are any alternative energy sources employed/installed in your College?

Yes.

Solar Energy Panels are installed,

4. Do you run "switch off" drills at College?

Yes

No

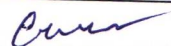




5. Are your computers and other equipment put on power-saving mode?

Yes

No

Handwritten signature

Authorized Signature:

| S. No. | Name | Position Head | Signature |
|--------|---------------------|---------------|---|
| 1. | Dr. R.K Dhawan | Chairperson |  |
| 2. | Dr. Narinder Kaur | Member |  |
| 3. | Dr. Amandeep Bhatia | Member |  |
| 4. | Dr. Kavita Bhagat | Member |  |
| 5. | Dr. Jasjeet Kaur | Convener |  |



LIST OF PLANTS PRESENT IN CAMPUS

| Sr. No | Plant Name | Common Name | Therapeutic Use |
|--------|---|-------------------|--|
| 1. | <i>Nyctanthes arbortristis</i> (Oleaceae) | Haar Shingar | Arthritis |
| 2. | <i>Acacia arabica</i> Willd. (Leguminosae) | Babul | Demulcent |
| 3. | <i>Aegle marmelos</i> (L.) (Rutaceae) | Bael Fruit | Antidiarrhoeal, Antidiabetics |
| 4. | <i>Allium sativum</i> L. (Amaryllidaceae) | Garlic | Antibiotic, Fungicide, Anthelmintic, Antithrombic, Hypotensive, Hypoglycemic, |
| 5. | <i>Aloe vera</i> (L.) Burm.f. (Xanthorrhoeaceae) | Chritku maarika | Purgative |
| 6. | <i>Hibiscus rosa sinensis</i> (Malvaceae) | Shoe flower | Cancer |
| 7. | <i>Achyranthes aspera</i> (Amaranthaceae) | Puth Kander | Diuretic |
| 8. | <i>Araucaria Heterophyllia</i> (Araucariaceae) | Araucaria | Ornamental |
| 9. | <i>Azadirachta Indica</i> A.Juss (Meliaceae) | Neem | Antimicrobial, Hypoglycemic, Antipyretic |
| 10. | <i>Adiantum aethiopicum</i> (Petridaceae) | Maiden hair fern | Bronchitis |
| 11. | <i>Bryophyllum pinnatum</i> (Crassulaceae) | Kalanchoe pinnata | Hepatoprotective |
| 12. | <i>Vinca Rosea</i> (Apocynaceae) | Sadabahar | Antihypertensive |
| 13. | <i>Mentha piperta</i> (Lamiaceae) | Peppermint | Cosmetics and Perfumes |
| 14. | <i>Lantana camara</i> (Verbenaceae) | Wild sage | Anticancer |
| 15. | <i>Calotropis gigantean</i> (L.) Dryand (Apcynaceae) | Aak; Milkweed | Anti-asthamatic; Anti-inflammatory |
| 16. | <i>Tabernaemontana divaricate</i> (Apocynaceae) | Chandani | Perfuming agent |
| 17. | <i>Citrus Limon</i> (Linn). Burm, f, (Rutaceae) | Lemon | Carminative, Stomachic, Antihistaminic, |
| 18. | <i>Codiaeum variegatum</i> (L.) Rumph. Ex A. Juss (Euphorbiaceae) | Garden croton | |
| 19. | <i>Cycas Circinalis</i> L. (Cyadaceae) | Sago palm | |
| 20. | <i>Delonix regia</i> (Hook.) Raf. (Leguminosae) | Gulmohar | Antirheumatic |
| 21. | <i>Ficus Benjamina</i> L (Moraceae) | Java Fig | Diuretic |
| 22. | <i>Hibiscus rosa-sinensis</i> Linn. (Malvaceae) | Hibiscus | Impotency, Bronchial catarrh., |
| 23. | <i>Murraya koenigii</i> (Linn.) Spreng. (Rutaceae) | Curry-Leaf tree | Stomachic, Antiprotozoal, Spasmolytic; Promotes appetite and digestion, Antidysenteric |

| | | | |
|-----|---|------------------|--|
| 24. | Ocimum basilicum Linn. (Labiatae) | Sweet Basil | Stimulant, Carminative, Antispasmodic, Diuretic, Demulcent, Anti-microbial |
| 25. | Psidium guajava L. (Myrtaceae) | Guava | Antidiarrhoeal, Dysentery, Anthelmintic. |
| 26. | Pterocarpus marsupium Roxb. (Leguminosae) | Indian Kino tree | Astringent, Antihaemorrhagic, Antidiarrhoeal |
| 27. | Punica granatum Linn. (Punicaceae) | Pomegranate | Astringent, Stomachic, Digestive, Stomatitis |
| 28. | Tamarindus indica Linn. (Caesalpinaceae) | Tamarind tree | Cooling, Digestive, Carminative, Laxative, Antiscorbutic |
| 29. | Thevetia peruviana (Apocynaceae) | Kaner | Cardio protective |
| 30. | Adhotoda Vasica (Acanthaceae) | Vasaka | Expectorant |
| 31. | Polyalthia longifolia (Annonaceae) | Ashoka | Acne, Diabetes and Piles |
| 32. | Pyrus Communis (Rosaceae) | Nakh | Antioxidant |
| 33. | Punica granatum (Lythraceae) | Annar | Antioxidant |
| 34. | Carica Papaya (Caricaceae) | Papaya | Aid Digestion |
| 35. | Tinospora Cordifolia (Menispermaceae) | Guduchi | Jaundice, Anemia, Polyuria, Skin diseases, Anti-inflammatory |
| 36. | Cordyline fructicosa (Asparagaceae) | Dracenea | Ornamental |
| 37. | Tectona crandis (Lamiaceae) | Sagwan | Eczema |
| 38. | Sesbinia Rostrate (Fabaceae) | Dhinian | Antiepilepsy |
| 39. | Focus Benghalensis (Moraceae) | Banyan | Diarrhoea |
| 40. | Syzygium Cuminii (Myrtaceae) | Jamun | Hypoglycemic |
| 41. | Eucalyptus Tereticornis (Myrtaceae) | Safeda | Decongestants |
| 42. | Ficus racemose (Moraceae) | Cluter fig | Astringent |



7.1.3 Energy

Audit

**Khalsa College of Pharmacy
and Khalsa College of Pharmacy and
Technology**

About Energy Audit

Energy audit can be defined as systematic identification, quantification, recording, reporting and analysis of components of energy usage. The 'Energy audit' aims it is a technique used to establish the pattern of energy use, and identifies the areas where energy can be saved or where energy can be used judiciously. An energy audit consists of a detailed examination of how a facility uses energy, what the facility pays for that energy, and finally, a recommended program for changes in operating practices or energy consuming equipment that will effectively save on energy bills.

Rationale of the Policy

The Energy Efficiency Policy at Khalsa College of Pharmacy, Amritsar has been formulated to effectively manage and preserve energy across all blocks. It encompasses existing energy-saving practices and future plans to accommodate the expanding infrastructure and community of the college. This policy serves as a set of guidelines and standard procedures to ensure responsible and cost-effective energy consumption while fostering a forward-looking and proactive approach to sustainable energy use within the college blocks. Periodic reviews of this policy will be conducted to address the increasing energy demands associated with the college's growth.

This policy applies to all individuals, including staff, students, faculty, and visitors, across all college blocks, including Pharmacy Block, Medical Lab Technology Block, Research Block and Khalsa Diagnostic Laboratory.

II. Introduction

Khalsa College of Pharmacy in Amritsar incurs a monthly expenditure of approximately INR 430745.4 on energy usage in last five years. This expenditure encompasses the consumption of electricity from the utility, as well as the use of petrol and diesel for electric generators and vehicles. The majority of this energy consumption can be attributed to the operation of various construction equipment during the ongoing infrastructure development projects at the college. It is anticipated that energy consumption will significantly decrease once these construction activities are completed. In contrast, energy consumption in academic blocks, libraries, classrooms, faculty offices, student and faculty residences are relatively low. This is due to careful planning during the initial construction phases, which prioritized the utilization of natural ventilation systems, keeping energy conservation in mind.



The college has established specific objectives to effectively conserve energy across all its blocks, as outlined below:

- Design college buildings with passive architectural strategies to harness natural air-cooling systems.
- Establish an energy consumption threshold once construction across all blocks is finished, thereby maintaining a set limit to achieve zero net growth in consumption.
- Organize periodic awareness campaigns focused on energy conservation.
- Substituting non-renewable energy sources with renewable alternatives to the greatest extent possible.
- Regularly conduct energy audits for evaluation and improvement.
- Incorporate more energy-efficient electrical appliances for new installations to reduce energy consumption.

III. Strategies and Implementation

In line with the college's objectives for efficient energy conservation across all blocks, the following strategies have been implemented by the institution:

- a. Passive Architectural Building Design:** The university ensures that, from the initial architectural design phase, all new construction projects prioritize the utilization of natural air-cooling systems. This entails facilitating the unrestricted circulation of cool air, which permeates through hallways and rooms. Consequently, the college has constructed Academic Blocks 1, 2, and 3 in the main campus in accordance with this approach. This has been achieved by creating airflow tunnels beneath each floor or by leaving significant gaps between the walls and roofs to optimize natural ventilation.
- b. Roof-Mounted Solar Panels:** The college has installed solar panels on the roofs of its buildings. Consequently, the institution has set up fairly good amount of grid-connected solar photovoltaic power systems on available rooftop areas. This initiative is expected to yield a monthly reduction in the college's energy expenses averaging between 16% to 20%.



- c. **Thermostat Temperature Setting:** The college will promote the practice of maintaining a consistent thermostat set point of 23 degrees Celsius for those using air conditioning systems.
- d. **LED Lighting:** The college is committed to exclusively employing LED lighting systems in all new installations across its various blocks. Additionally, the current lighting systems will gradually transition to LED lighting through a phased replacement approach.
- e. **Energy Assessment:** The college will carry out an annual energy audit to verify that energy consumption remains in accordance with the established target and to prevent any unnecessary energy wastage. The energy conservation and savings opportunities will be identified through this audit process, aligning with the provided recommendations.
- f. **Equipment Maintenance:** The Administrative Officers will oversee the prompt servicing and upkeep of electrical equipment within the college premises, aiming to maintain their efficiency at its highest level.

IV. Energy Conservation Awareness

The college will promote the development of an energy-conscious attitude among the college community through the organization of workshops, seminars, lectures, competitions, and awareness events on topics such as climate change and the significance of energy conservation. These activities will be conducted regularly within the college taking responsibility for organizing them, overseen by the Director.

V. Expected Outcomes

By adhering to the College's Energy Conservation Policy, the following anticipated results will be achieved:

- A reduction and maintenance of the college's energy expenses at an affordable level.
- It will reduce the greenhouse gas contribution of the college.
- It will Prolong the lifespan of electrical equipment at the college.
- It will create a healthier and more sustainable environment for the college community.



- Fostering an environmentally conscious mindset among students and raising awareness about the importance of energy conservation.

VI. Policy Enforcement

The implementation of the College's Energy Efficiency Policy is centrally managed by Khalsa College charitable society.

VII. Procedure Adopted

Internal Audit- Internal Audit is carried out by the internal audit committee of Khalsa college charitable society every year and issues a report. The reports of last five financial years have been attached below.



External Audit- External Audit is carried by ISO and issued the reports for every year. Two reports of External Audit from 2018-2021 and 2021-2024 have been attached below.





CERTIFICATE

This is to certify that
Energy Management System of
KHALSA COLLEGE OF PHARMACY AND KHALSA
COLLEGE OF PHARMACY AND TECHNOLOGY

GT ROAD, AMRITSAR-143001, PUNJAB, INDIA

has been assessed and found to conform to the requirements of

ISO 50001:2018

for the following scope

**IMPLEMENTATION OF GREEN ENERGY MANAGEMENT AND
CONSERVATION PRACTICES.**

| | | |
|----------------------------------|----------|----------------------|
| CERTIFICATE NO. | : | QEMS210401010 |
| Initial Registration Date | : | 01/04/2021 |
| Issuance Date | : | 01/04/2021 |
| Surveillance Assessment | | |
| I Due Date | : | 31/03/2022 |
| II Due Date | : | 31/03/2023 |
| Date of Renewal | : | 31/03/2024 |


DIRECTOR



QCL Certification Pvt. Ltd.

Visit: www.qclcertification.org / www.qclcertification.com

93, 2nd Floor, E-3 Block, KG. M.B. Ext., Badarpur Border, New Delhi-110044

Email: director@qclcertification.com / info@qclcertification.com / Ph: 011-2244811876 / Mob: 9910882411020

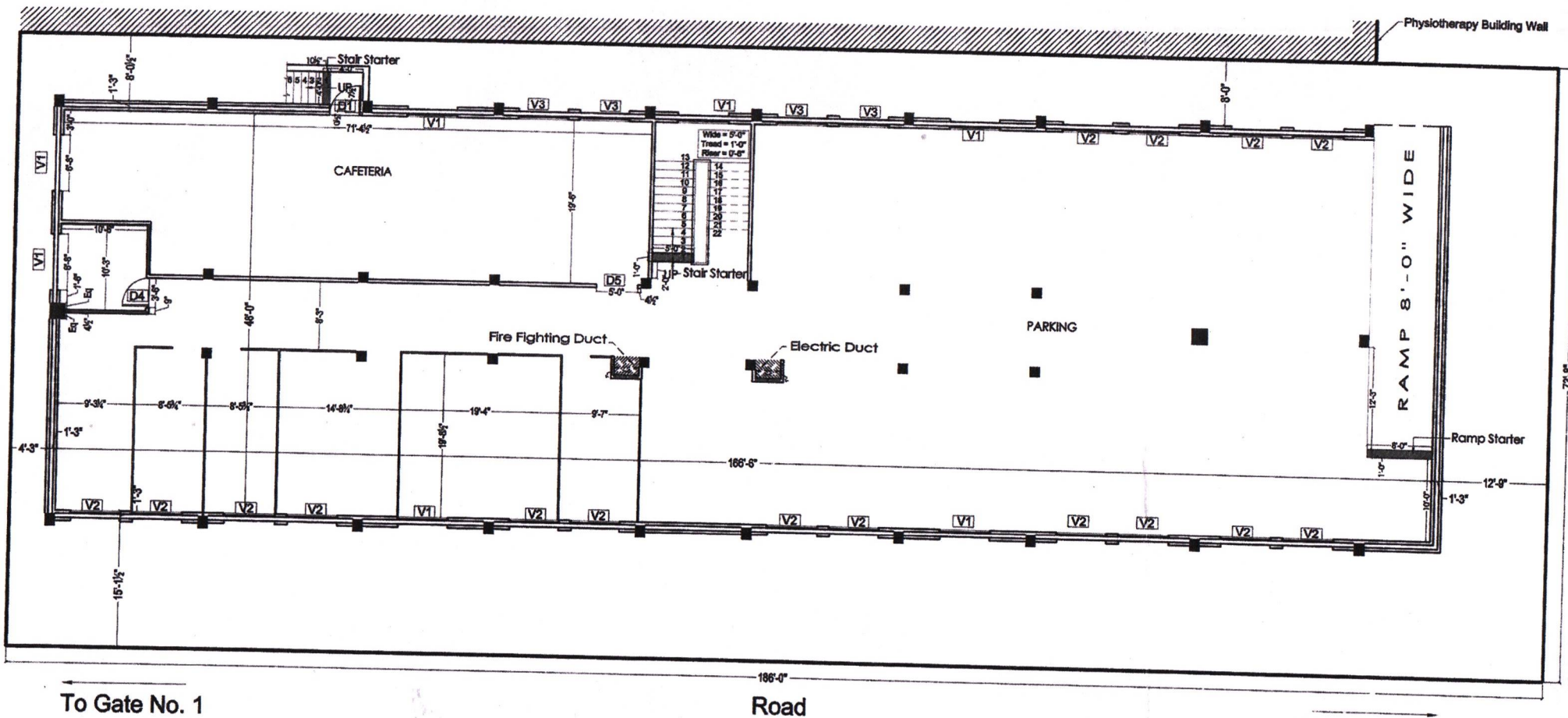
Validity of this certificate is subject to annual surveillance audits to be done successfully by QCL.

In case of surveillance audit is not conducted, this certificate shall be suspended/withdrawn.

The certificate of registration remains the property of QCL and shall be returned immediately upon request.



| S.NO. | Floor wise | Unit | Built up Area | Instructional Area | Administrative Area | Amenities Area | Circulation Area |
|----------|------------------------------|--------------|------------------|--------------------|---------------------|----------------|------------------|
| A | New Block Of Pharmacy | | | | | | |
| 1 | Basement Floor | Sq.ft | 8699.19 | 0.00 | 0.00 | 228.50 | 7707.58 |
| 2 | Ground Floor | Sq.ft | 8941.12 | 5687.29 | 461.00 | 648.63 | 679.03 |
| 3 | First Floor | Sq.ft | 9084.63 | 6912.76 | 0.00 | 807.59 | 770.34 |
| 4 | Second Floor | Sq.ft | 9084.63 | 7590.68 | 0.00 | 879.14 | 274.31 |
| 5 | Third Floor | Sq.ft | 9084.63 | 7051.55 | 0.00 | 648.63 | 781.67 |
| | TOTAL- A | Sq.ft | 44,894.20 | 27242.28 | 461.00 | 3212.49 | 10212.93 |
| B | Old Block Of Pharmacy | | | | | | |
| 1 | Ground Floor | Sq.ft | 13584.56 | 9,763.90 | 949.22 | 1780.23 | 5614.56 |
| 2 | First Floor | Sq.ft | 19368.59 | 5,172.30 | 0.00 | 780.23 | 2,122.10 |
| 3 | Second Floor | Sq.ft | 17741.91 | 7,631.00 | 0.00 | 720.23 | 2,122.10 |
| 4 | Third Floor | Sq.ft | 17741.91 | 5,165.00 | 0.00 | 720.23 | 2,122.10 |
| | TOTAL - B | Sq.ft | 68436.97 | 27,732.00 | 949.22 | 4000.92 | 11980.86 |
| | | | | | | | |
| | TOTAL(A+B) | | 113331.17 | 54974.28 | 1410.22 | 7213.41 | 22193.79 |



BASEMENT FLOOR PLAN



PROJECT :

BELONGING TO :

PHARMACY COLLEGE, AMRITSAR

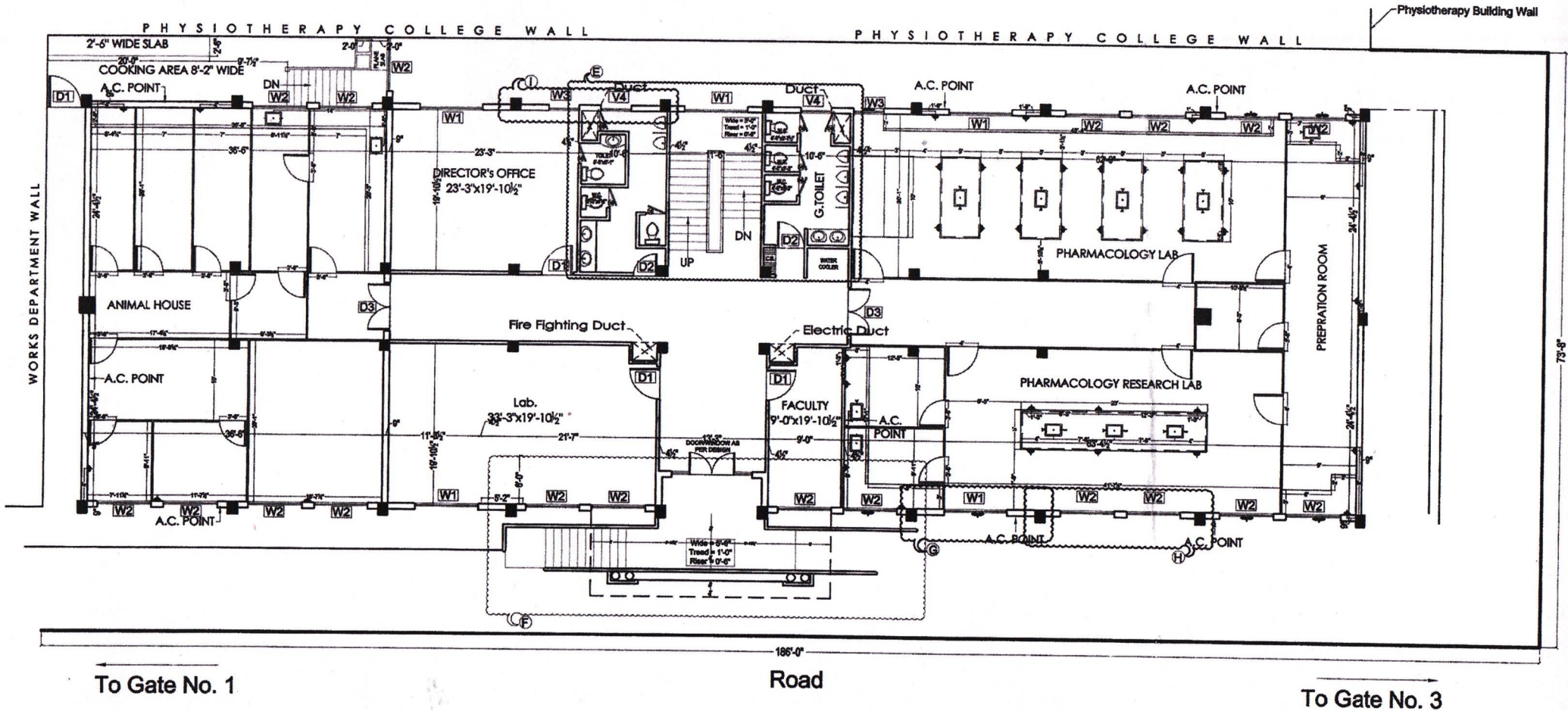
REMARKS :

Khalsa College of Pharmacy, Amritsar.

| | |
|------------|-------------------------|
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| DRAWN By: | J.P.S |
| DATE: | |

RAWING :

| | |
|----------|--------|
| SCALE : | N.T.S. |
| Rev. No. | |



GROUND FLOOR PLAN



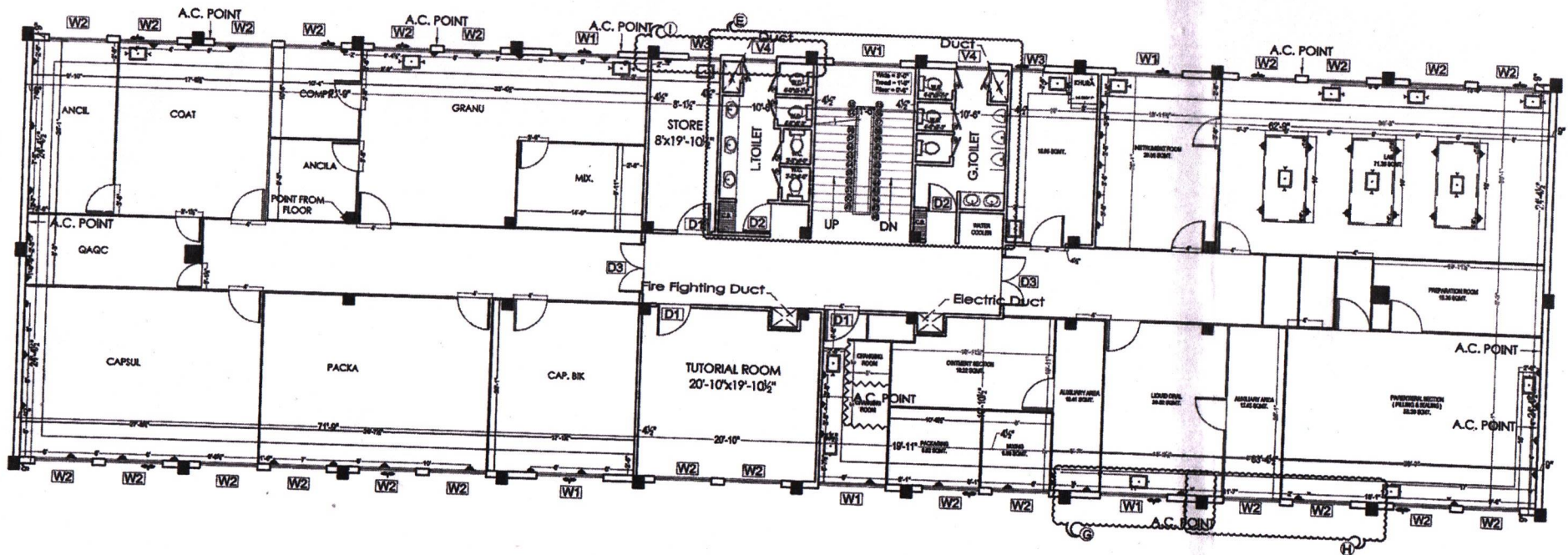
PROJECT : PHARMACY COLLEGE, AMRITSAR

BELONGING TO : Khalsa College of Pharmacy, Amritsar.

REMARKS :

DRAWING :

| | | | | |
|-------|----------|--------|-------------|-------------------------|
| Plans | SCALE : | N.T.S. | File Name : | Pharmacy_College_140513 |
| | Rev. No. | 0 | DRAWN By : | J.P.S |
| | | | DATE : | 15 - May - 13 |



FIRST FLOOR PLAN



PROJECT :

BELONGING TO :

PHARMACY COLLEGE, AMRITSAR

REMARKS :

DRAWING :

Khalsa College of MLT, Amritsar.

File Name:

MLT_College_150713

SCALE :

N.T.S.

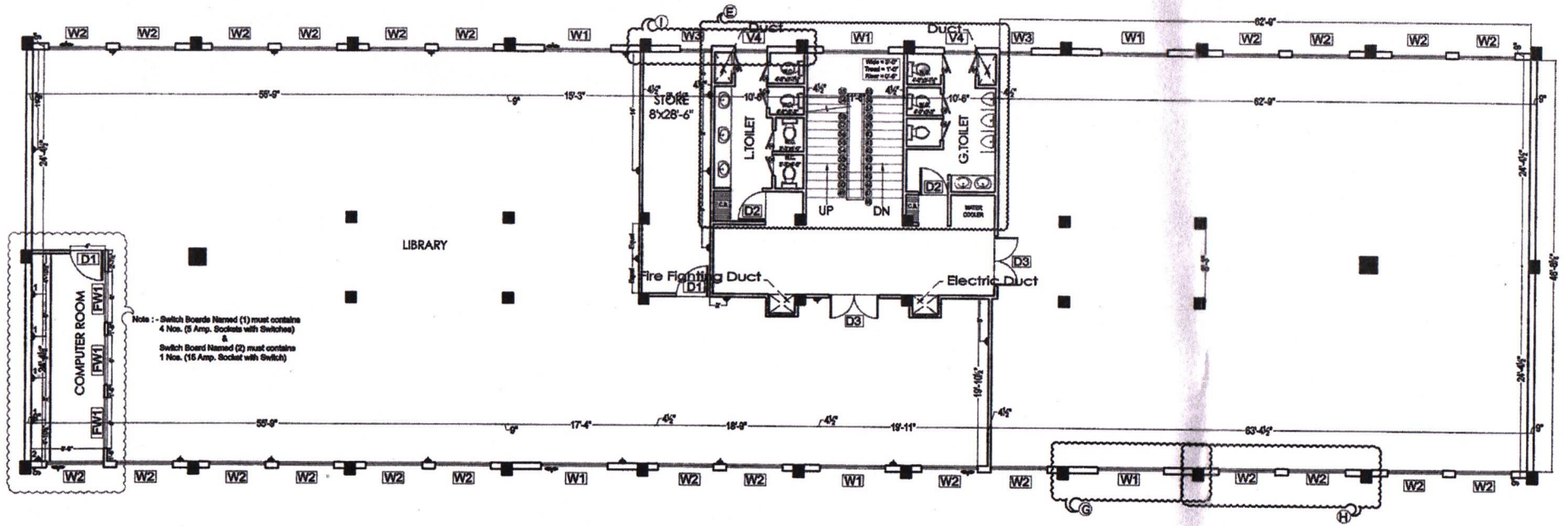
DRAWN By:

J.P.S

Rev. No.

DATE :

Plans



SECOND FLOOR PLAN



PROJECT :

PHARMACY COLLEGE, AMRITSAR

REMARKS :

BELONGING TO :

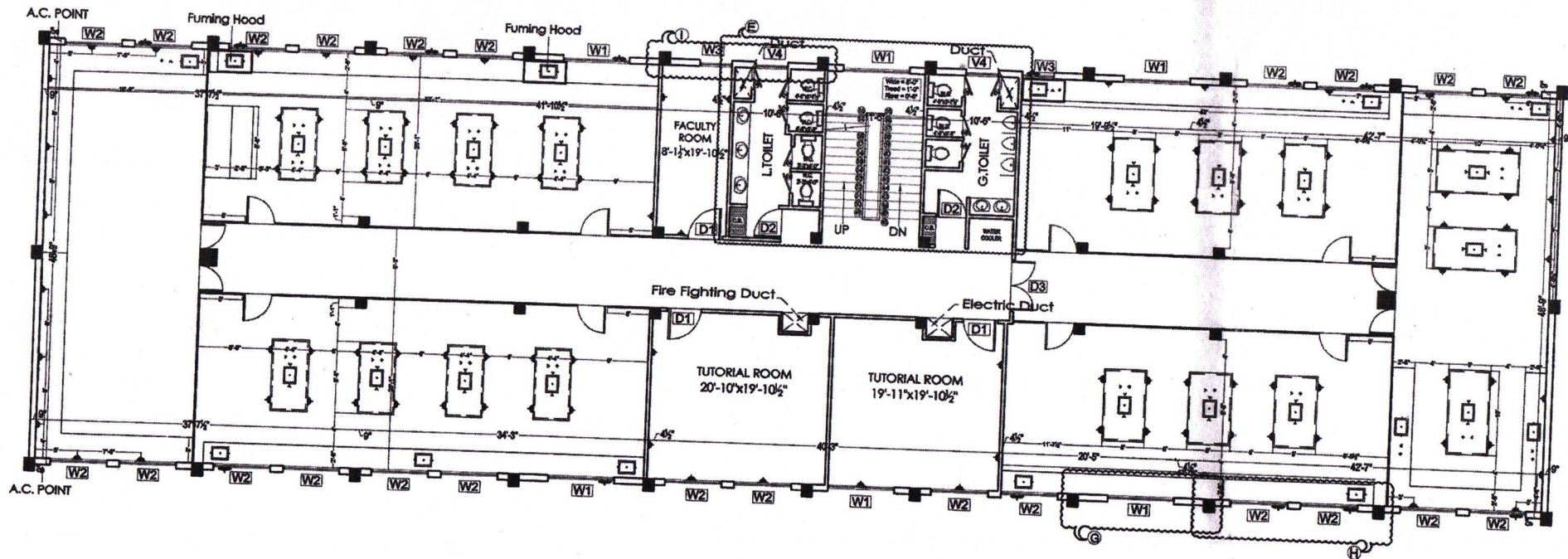
Khalsa College of Pharmacy, Amritsar.

File Name:
Pharmacy_College_100713

DRAWING :

| | | | |
|----------|--------|-----------|------------|
| SCALE: | N.T.S. | DRAWN By: | J.P.S |
| Rev. No. | 0 | DATE: | 10 JULY 13 |

Plans



THIRD FLOOR PLAN



PROJECT :

BELONGING TO :

PHARMACY COLLEGE, AMRITSAR

REMARKS :

Khalsa College of Pharmacy, Amritsar.

File Name:

Pharmacy_College_1307'13

SCALE :

N.T.S.

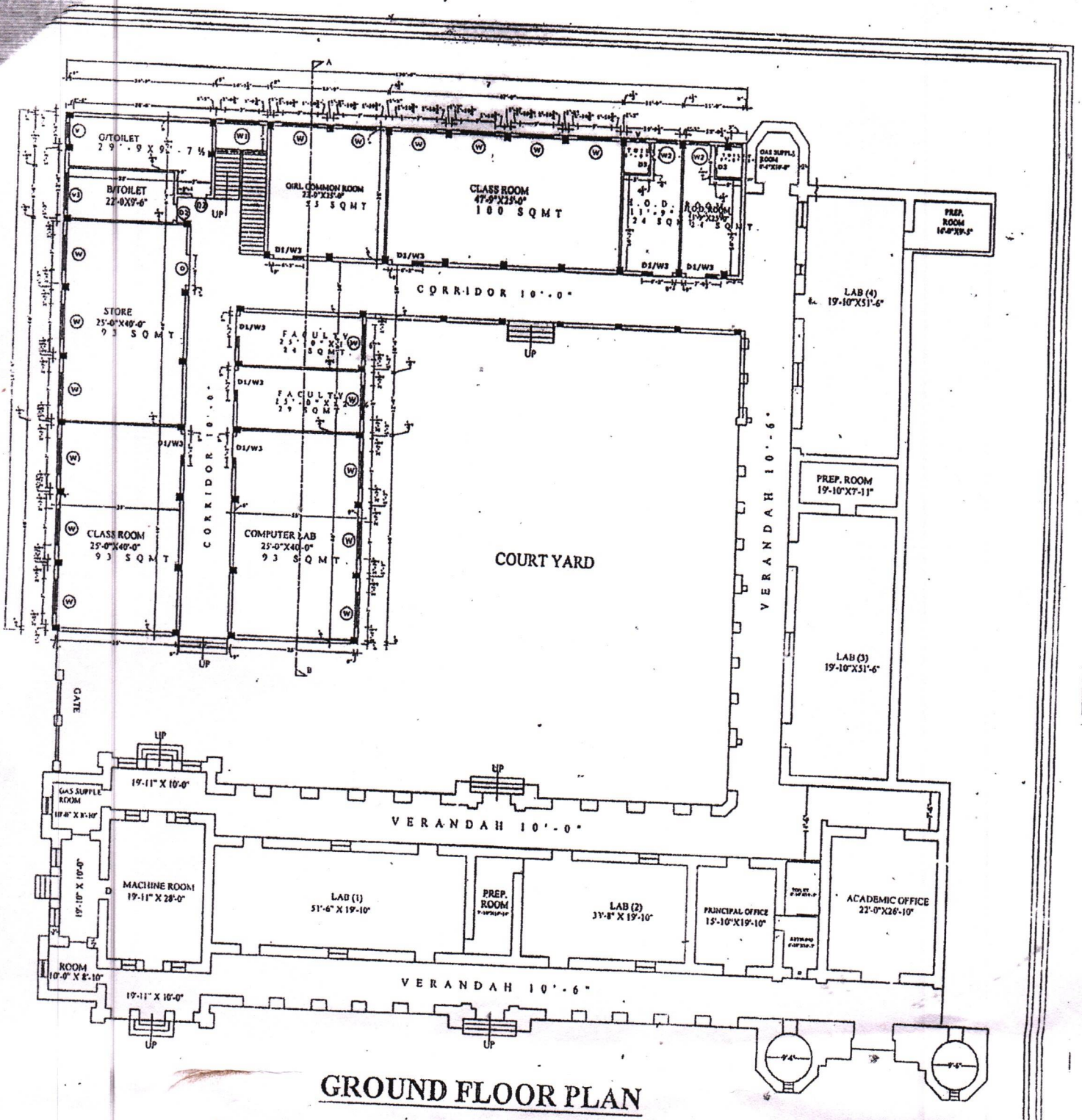
DRAWN By:

J.P.S

DRAWING :

Rev. No.

62d. Phalwan



GROUND FLOOR PLAN



SUKHMANDER SINGH & ASSOCIATES

44, FIRST FLOOR, M.M. HALVITA ROAD
 AMRITSAR 143001
 PH: 01832 - 2212240
 M: 9815575973
 sukhmander.singh@rediffmail.com

PROJECT:

N.C.C BLOCK

BELONGING TO:

KHALSA COLLEGE

SCALE:

N.T.S

OPTION 2

DRAWN BY:

SHEET TITLE:

CHECKED BY:

GROUND FLOOR PLAN

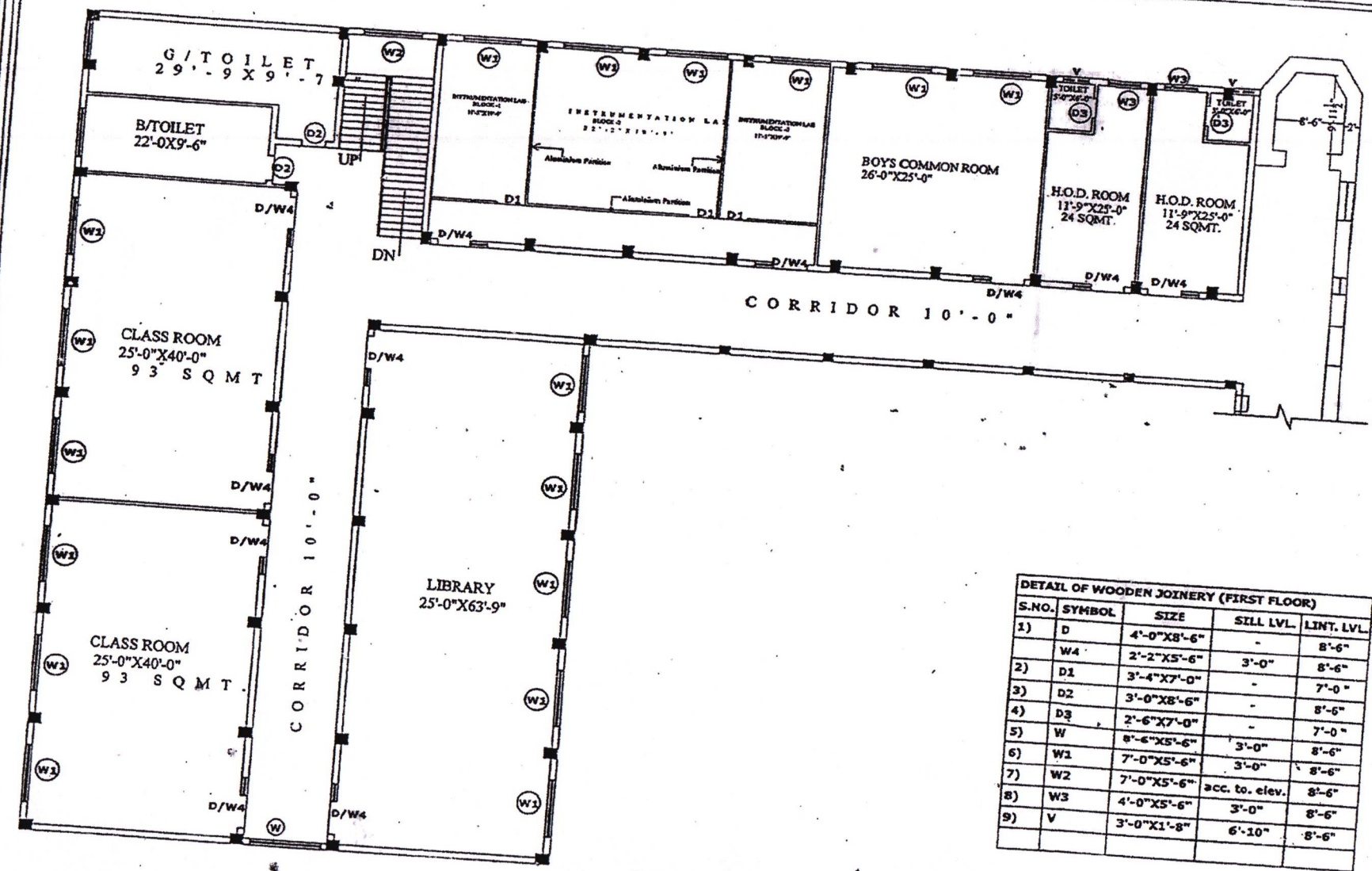
UPDATED BY:

29 OCT. 2010

DRG. NO.:

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Sukhmander Singh



| DETAIL OF WOODEN JOINERY (FIRST FLOOR) | | | | |
|--|--------|---------------|----------------|------------|
| S.NO. | SYMBOL | SIZE | SILL LVL. | LINT. LVL. |
| 1) | D | 4'-0" X 8'-6" | - | 8'-6" |
| | W4 | 2'-2" X 5'-6" | 3'-0" | 8'-6" |
| 2) | D1 | 3'-4" X 7'-0" | - | 7'-0" |
| 3) | D2 | 3'-0" X 8'-6" | - | 8'-6" |
| 4) | D3 | 2'-6" X 7'-0" | - | 7'-0" |
| 5) | W | 8'-6" X 5'-6" | 3'-0" | 8'-6" |
| 6) | W1 | 7'-0" X 5'-6" | 3'-0" | 8'-6" |
| 7) | W2 | 7'-0" X 5'-6" | acc. to. elev. | 8'-6" |
| 8) | W3 | 4'-0" X 5'-6" | 3'-0" | 8'-6" |
| 9) | V | 3'-0" X 1'-8" | 6'-10" | 8'-6" |

FIRST FLOOR PLAN
 CONSTRUCTED FLOOR IN PHASE-1



SUKHMANDER SINGH & ASSOCIATES

#4, FIRST FLOOR, M.M.MALVIYA ROAD
 AMRITSAR 143001
 PH. 0183- 2212240
 M- 9815575975
 sukhmande.asr@rediffmail.com

PROJECT:
 KHALSA COLLEGE OF PHARMACY

BELONGING TO:
 KHALSA COLLEGE

SCALE:
 N.T.S
 DRAWN BY:
 CHECKED BY:
 DATE: 29 OCT.2010
 UPDATED BY: RENU RAJPUT

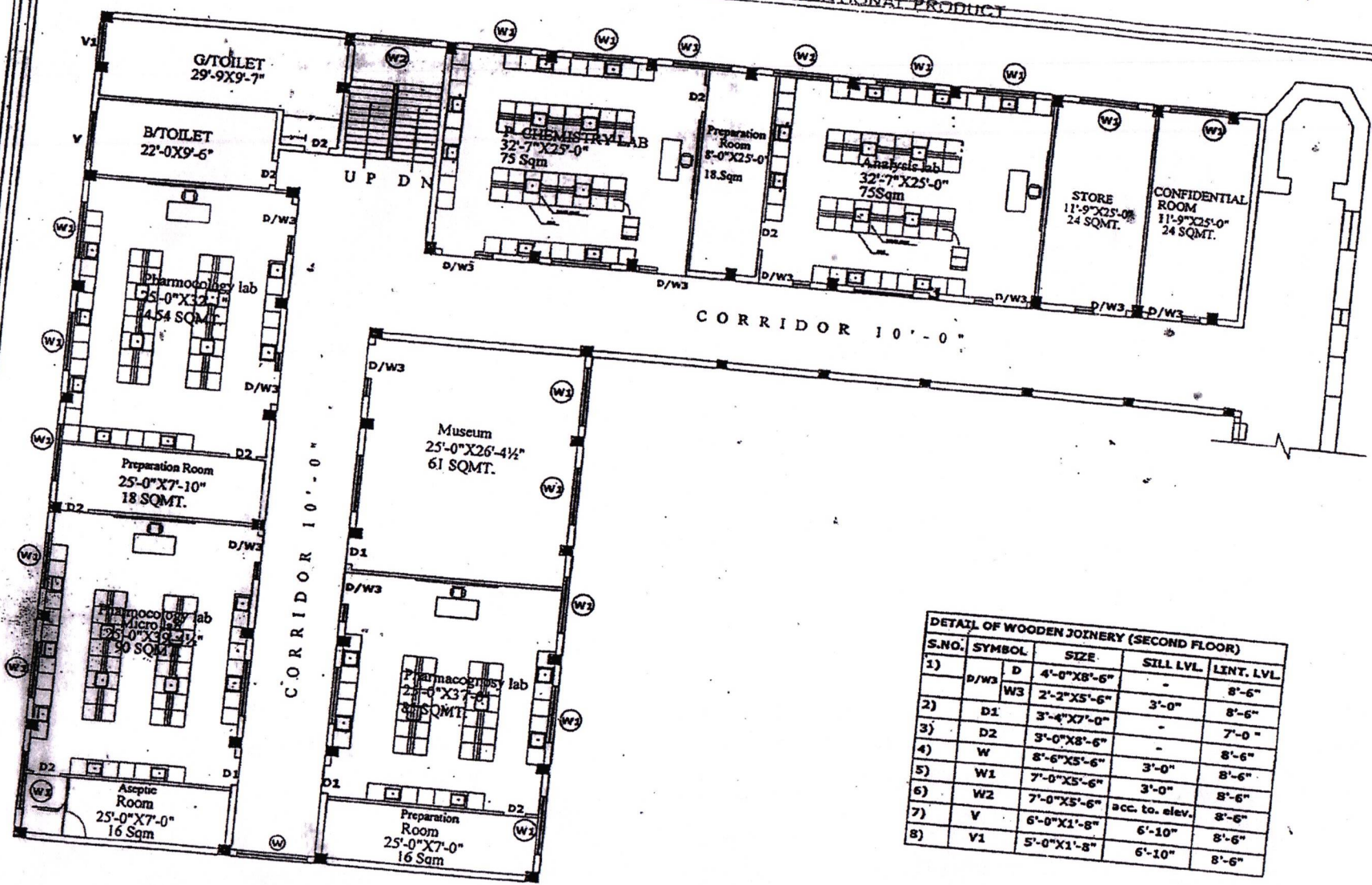
PURPOSE:
 SHEET TITLE:
 FIRST FLOOR PLAN
 DRG. NO.:

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PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

Handwritten signature



DETAIL OF WOODEN JOINERY (SECOND FLOOR)

| S.NO. | SYMBOL | SIZE | SILL LVL. | LINT. LVL. |
|-------|--------|-----------------|----------------|------------|
| 1) | D/W3 | D 4'-0" X 8'-6" | - | 8'-6" |
| 2) | D1 | 2'-2" X 5'-6" | 3'-0" | 8'-6" |
| 3) | D2 | 3'-4" X 7'-0" | - | 7'-0" |
| 4) | W | 3'-0" X 8'-6" | - | 8'-6" |
| 5) | W1 | 8'-6" X 5'-6" | 3'-0" | 8'-6" |
| 6) | W2 | 7'-0" X 5'-6" | 3'-0" | 8'-6" |
| 7) | V | 6'-0" X 1'-8" | acc. to. elev. | 8'-6" |
| 8) | V1 | 5'-0" X 1'-8" | 6'-10" | 8'-6" |

SECOND FLOOR PLAN
CONSTRUCTED FLOOR IN PHASE-2

902608/ft
9260



SUKHMANDER SINGH & ASSOCIATES

#4, FIRST FLOOR, M.M.MALVIYA ROAD
AMRITSAR 143001
PH. 01837-2212240
M- 9815575975

sukhmandersr@rediffmail.com

PROJECT:
KHALSA COLLEGE OF PHARMACY

BELONGING TO:
KHALSA COLLEGE

SCALE:
DRAWN BY:
CHECKED BY:

N.T.S

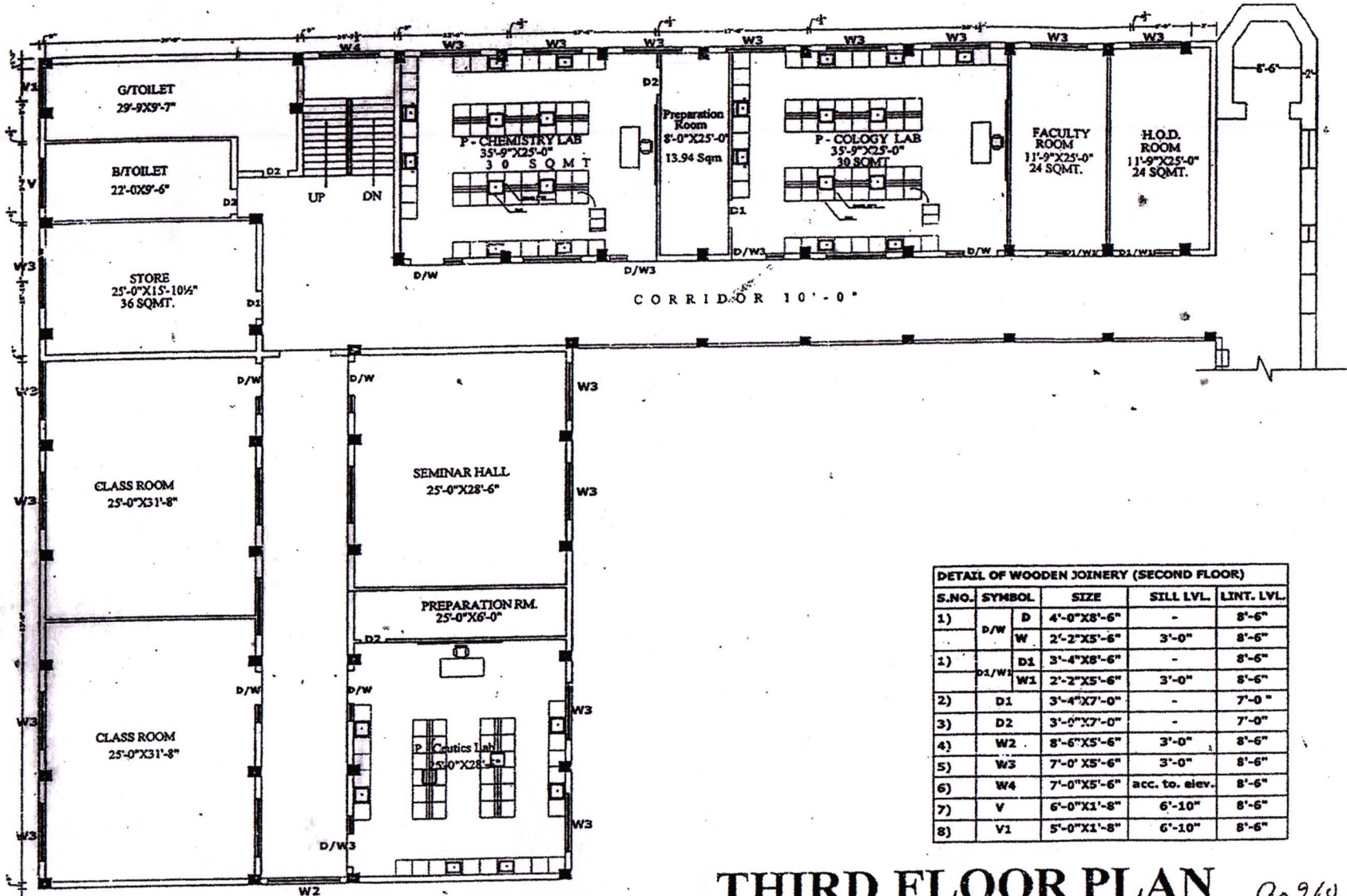
PURPOSE
SHEET TITLE:

SECOND FLOOR PLAN

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DATE: 29 OCT.2010

EDUCATIONAL PRODUCT




| DETAIL OF WOODEN JOINERY (SECOND FLOOR) | | | | |
|---|--------|-------------|----------------|------------|
| S.NO. | SYMBOL | SIZE | SILL LVL. | LINT. LVL. |
| 1) | D | 4'-0"X8'-6" | - | 8'-6" |
| | W | 2'-2"X5'-6" | 3'-0" | 8'-6" |
| 1) | D1 | 3'-4"X8'-6" | - | 8'-6" |
| | W1 | 2'-2"X5'-6" | 3'-0" | 8'-6" |
| 2) | D1 | 3'-4"X7'-0" | - | 7'-0" |
| 3) | D2 | 3'-0"X7'-0" | - | 7'-0" |
| 4) | W2 | 8'-6"X5'-6" | 3'-0" | 8'-6" |
| 5) | W3 | 7'-0"X5'-6" | 3'-0" | 8'-6" |
| 6) | W4 | 7'-0"X5'-6" | acc. to. elev. | 8'-6" |
| 7) | V | 6'-0"X1'-8" | 6'-10" | 8'-6" |
| 8) | V1 | 5'-0"X1'-8" | 6'-10" | 8'-6" |

THIRD FLOOR PLAN

CONSTRUCTED FLOOR IN PHASE-2

90260 Rjp

| | | | | | | |
|---|---|--|---------------------------------|------------------------------------|----------------------------------|---|
|  | SUKHMANDER SINGH & ASSOCIATES #4, FIRST FLOOR, M.M.MALVIYA ROAD AMRITSAR 143001 PH. 0183 - 2212240 M- 9815575975 sukhmanderasr@rediffmail.com | PROJECT: KHALSA COLLEGE OF PHARMACY | BELONGING TO: KHALSA COLLEGE | SCALE: DRAWN BY: CHECKED BY: | N.T.S UPDATED BY: RENU RAJPUT | PURPOSE: SHEET TITLE: THIRD FLOOR PLAN DRG. NO.: |
| | THIS DRAWING IS THE PROPERTY OF SUKHMANDER SINGH & ASSOCIATES AND SHALL NOT BE COPIED OR USED FOR ANY OTHER PURPOSE, THAN FOR WHICH IT IS ISSUED, WITHOUT PERMISSION OF ITS PRINCIPLES. | | | DATE: 29 OCT.2010 | | |

KHALSA COLLEGE CHARITABLE SOCIETY, AMRITSAR.
Income & Expenditure Account of Khalsa College of Pharmacy, Amritsar for The Year Ended 31-3-2018

| Expenditure | Figures 2017-18 | | Figures 2016-17 | | Income | Figures 2017-18 | | Figures 2016-17 | |
|--|----------------------|------|----------------------|------------|--------|--------------------|----------------------|--------------------|----------------------|
| | Rs. | P. | Rs. | P. | | Rs. | P. | Rs. | P. |
| To Expenditure:- | | | | | | | | | |
| Salary | 16,566,450.00 | | 16,915,896.00 | | | | | | |
| Affiliation Fee | 1,929,539.00 | | | 0.00 | | | | | |
| Advertisement | 203,105.00 | | 262,843.00 | | | | | | |
| Contingency | 727,926.16 | | 341,211.88 | | | | | | |
| Chemicals & Science Materials | 1,099,903.50 | | 1,292,772.00 | | | | | | |
| Student's Uniform's | | 0.00 | | 467,280.00 | | | | | |
| Printing & Stationery | 182,217.00 | | 183,877.00 | | | | | | |
| Telephone | 103,070.00 | | 98,462.00 | | | | | | |
| Electricity | 202,864.00 | | 201,014.00 | | | | | | |
| Computer Expenses | | 0.00 | | 99,939.00 | | | | | |
| Prospectus | | 0.00 | | 56,000.00 | | | | | |
| Generator Set Repair & Diesel | 107,876.00 | | | 0.00 | | | | | |
| Building Maintenance | 74,765.00 | | 145,179.00 | | | | | | |
| Inspection Charges | | 0.00 | | 142,205.00 | | | | | |
| Animal's for Research | 118,750.00 | | 76,750.00 | | | | | | |
| Exam Fee | 1405000.00 | | 2781153.00 | | | | | | |
| Youth Festival Expenses | | 0.00 | | 66030.00 | | | | | |
| Annual Maintenance Contract | | 0.00 | | 205245.00 | | | | | |
| To Capital Expenditure as Per Schedule 'D' | 3,545,706.72 | | 4,394,703.00 | | | | | | |
| To Excess of Income over Expenditure (Surplus) | 13,922,776.62 | | 17,143,665.12 | | | | | | |
| | <u>40,189,949.00</u> | | <u>44,874,225.00</u> | | | | | | |
| | | | | | | | <u>40,189,949.00</u> | | <u>44,874,225.00</u> |

Sd/-
Chief Accounts Officer

Sd/-
Under Secretary

Sd/-
Joint Secretary Finance

Sd/-
Honorary Secretary

Amritsar

Date : 31-07-2018

As per our report of even date
For Sehgal Khanna Mundra Mehra & Co.
Chartered Accountants
Firm's Registration Number 021542N

Sd/-
Partner
Sunil Mehra (M No.- 083946)

KHALSA COLLEGE CHARITABLE SOCIETY, AMRITSAR.
Income & Expenditure Account of Khalsa College of Pharmacy, Amritsar for The Year Ended 31-3-2019

| Expenditure | Figures 2018-19 | | Figures 2017-18 | | Income | | Figures 2018-19 | | Figures 2017-18 | |
|--|-----------------|----|-----------------|----|----------------------|---------------|-----------------|---------------|-----------------|---------------|
| | Rs. | P. | Rs. | P. | | | Rs. | P. | Rs. | P. |
| To Expenditure:- | | | | | By Fees:- | | | | | |
| Salary | 18,070,470.00 | | 16,566,450.00 | | Tuition Fee | 39,537,219.00 | | | | |
| Affiliation Fee | 2,300,365.20 | | 1,929,539.00 | | Lab Income | 274,010.00 | | 39,811,229.00 | | 39,484,879.00 |
| Advertisement | 917,984.00 | | 203,105.00 | | Miscellaneous Income | | | 2,932,620.00 | | 637,135.00 |
| Contingency | 704,811.90 | | 727,926.16 | | Bank Interest | | | 181,920.00 | | 67,935.00 |
| Chemicals & Science Materials | 1,090,126.00 | | 1,099,903.50 | | | | | | | |
| Printing & Stationery | 398,020.00 | | 182,217.00 | | | | | | | |
| Telephone & Internet | 149,618.00 | | 103,070.00 | | | | | | | |
| Electricity | 215,811.00 | | 202,864.00 | | | | | | | |
| Generator Set Repair & Diesel | 120,208.00 | | 107,876.00 | | | | | | | |
| Building Maintenance | 0.00 | | 74,765.00 | | | | | | | |
| Uniform Expenses | 484,025.00 | | 0.00 | | | | | | | |
| Animal's for Research | 0.00 | | 118,750.00 | | | | | | | |
| Exam Conduct Fee Paid | 1,269,890.00 | | 1405000.00 | | | | | | | |
| To Capital Expenditure as Per Schedule 'D' | 5,922,211.84 | | 4,394,703.00 | | | | | | | |
| To Excess of Income over Expenditure (Surplus) | 11,282,228.06 | | 13,073,780.34 | | | | | | | |
| | 42,925,769.00 | | 40,189,949.00 | | | | | 42,925,769.00 | | 40,189,949.00 |

Sd/-
Chief Accounts Officer

Sd/-
Under Secretary

Sd/-
Joint Secretary Finance

Sd/-
Honorary Secretary

Place : Amritsar

Date:18-07-2019

As per our report of even date
For Sehgal Khanna Mundra Mehra & Co.
Chartered Accountants
Firm's Registration Number 021542N

Sd/-
(SUNIL MEHRA)
Partner (M No - 083946)

KHALSA COLLEGE CHARITABLE SOCIETY, AMRITSAR.
Income & Expenditure Account of Khalsa College of Pharmacy, Amritsar for The Year Ended 31-3-2021

| Expenditure | Figures 2020-21 | | Figures 2019-20 | | Income | Figures 2020-21 | | Figures 2019-20 | |
|--|-----------------------|----|-----------------------|----|--------|--------------------|-----------------------|--------------------|-----------------------|
| | Rs. | P. | Rs. | P. | | Rs. | P. | Rs. | P. |
| To Expenditure:- | | | | | | | | | |
| Salary | 1,93,04,309.00 | | 1,90,59,595.00 | | | | | | |
| Affiliation Fee | 10,75,201.00 | | 13,55,887.00 | | | | | | |
| Advertisement | 6,05,909.00 | | 6,21,787.00 | | | | | | |
| Contingency | 6,54,633.80 | | 8,84,552.28 | | | | | | |
| Chemicals & Science Materials | 5,40,007.00 | | 12,43,426.74 | | | | | | |
| Printing & Stationery | 76,212.61 | | 2,78,905.00 | | | | | | |
| Telephone & Internet | 41,409.00 | | 71,727.00 | | | | | | |
| Electricity | 1,24,688.00 | | 2,84,940.00 | | | | | | |
| Generator Set Repair & Diesel | 80,000.00 | | 85,000.00 | | | | | | |
| Building Maintenance | 0.00 | | 15,800.00 | | | | | | |
| Uniform Expenses | 3,93,908.00 | | 3,68,550.00 | | | | | | |
| Exam Conduct Fee Paid | 0.00 | | 8,25,780.00 | | | | | | |
| To Capital Expenditure as Per Schedule 'D' | 40,32,618.00 | | 48,91,446.00 | | | | | | |
| To Excess of Income over Expenditure (Surplus) | 1,50,92,556.59 | | 1,32,62,290.94 | | | | | | |
| | <u>4,20,21,452.00</u> | | <u>4,32,49,686.96</u> | | | | <u>4,20,21,452.00</u> | | <u>4,32,49,686.96</u> |

By Fees:-

| | | | | |
|----------------------|----------------|--|----------------|----------------|
| Tuition Fee | 4,10,67,675.00 | | | |
| Lab Income | 1,31,166.00 | | 4,11,98,841.00 | 4,16,77,899.00 |
| Miscellaneous Income | | | 7,58,163.00 | 13,51,881.70 |
| Bank Interest | | | 64,448.00 | 2,19,906.20 |

Sd/-
Chief Accounts Officer

Sd/-
Under Secretary

Sd/-
Joint Secretary Finance

Sd/-
Honorary Secretary

Place : Amritsar

Date:21-09-2021

As per our report of even date
For Sehgal Khanna Mundra Mehra & Co.
Chartered Accountants
Firm's Registration Number 021542N

Sd/-
(SUNIL MEHRA)
Partner (M No - 083946)

KHALSA COLLEGE CHARITABLE SOCIETY, AMRITSAR.
Income & Expenditure Account of Khalsa College of Pharmacy, Amritsar for The Year Ended 31-3-2022

| Expenditure | Figures 2021-22 | | Figures 2020-21 | | Income | Figures 2021-22 | | Figures 2020-21 | |
|--|-----------------------|----|-----------------------|----|--------|--------------------|-----------------------|--------------------|-----------------------|
| | Rs. | P. | Rs. | P. | | Rs. | P. | Rs. | P. |
| To Expenditure:- | | | | | | | | | |
| Salary | 2,08,91,666.13 | | 1,93,04,309.00 | | | | | | |
| Affiliation Fee | 16,02,800.00 | | 10,75,201.00 | | | | | | |
| Advertisement | 4,16,403.00 | | 6,05,909.00 | | | | | | |
| Contingency | 7,70,200.03 | | 6,54,633.80 | | | | | | |
| Chemicals & Science Materials | 10,13,181.52 | | 5,40,007.00 | | | | | | |
| Printing & Stationery | 1,90,537.00 | | 76,212.61 | | | | | | |
| Telephone & Internet | 55,800.00 | | 41,409.00 | | | | | | |
| Electricity | 13,25,424.00 | | 1,24,688.00 | | | | | | |
| Generator Set Repair & Diesel | 1,46,780.00 | | 80,000.00 | | | | | | |
| Computer & Printer Maintenance Exp | 91,877.00 | | 0.00 | | | | | | |
| Uniform Expenses | 4,90,140.00 | | 3,93,908.00 | | | | | | |
| To Capital Expenditure as Per Schedule 'D' | 55,64,791.00 | | 40,32,618.00 | | | | | | |
| To Excess of Income over Expenditure (Surplus) | 1,71,37,737.29 | | 1,50,92,556.59 | | | | | | |
| | <u>4,96,97,336.97</u> | | <u>4,20,21,452.00</u> | | | | <u>4,96,97,336.97</u> | | <u>4,20,21,452.00</u> |

Sd/-
Chief Accounts Officer

Sd/-
Under Secretary

Sd/-
Joint Secretary Finance

Sd/-
Honorary Secretary

Place : Amritsar

Date:02-09-2022

As per our report of even date
For Sehgal Khanna Mundra Mehra & Co.
Chartered Accountants
Firm's Registration Number 021542N

Sd/-
(SUNIL MEHRA)
Partner (M No - 083946)