7.1.6: - Audits regularly undertaken by the institution and other green initiatives: -

- Green Audit
- Energy Audit
- Environment Audit
- Beyond campus environmental promotional activities
1. (a) GREEN AUDITING
20\textsuperscript{th} July 2016 to 20\textsuperscript{th} August 2016
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Verified.

Parvinder Singh

Associate Prof. of Floriculture
Deptt. of Floriculture & Landscaping
PAU, Ludhiana
1. (b) GREEN AUDITING

25th July 2017 to 25th August 2017
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Verified

Praminder Singh

Associate Prof. of Floriculture
Deptt. of Floriculture & Landscaping
PAU, Ludhiana
1. (c)

GREEN AUDITING

25<sup>th</sup> July 2018 to 25<sup>th</sup> August 2018
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Verified

Paraminder Singh
Associate Prof. of Floriculture
Deptt. of Floriculture & Landscaping
PAU, Ludhiana
1. (d) GREEN AUDITING

7th August 2019 to 7th September 2019
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<td>03</td>
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<td></td>
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<td>16.</td>
<td>Ficus panda</td>
<td>Boys lawn, Botanical garden, Central library</td>
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<td>17.</td>
<td>Ficus variegata</td>
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<td>24</td>
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<td>18.</td>
<td>Plumeria obtusa</td>
<td>Infront of chemistry lab -Girls hostel lawn</td>
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<td></td>
<td></td>
<td>-Girls hostel lawn</td>
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<td>Cycle stand Around Vermicomposting Unit</td>
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<td>02</td>
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<td>22.</td>
<td>Ginkgo biloba</td>
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<td>Arucaria</td>
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<td></td>
<td>Infront of Principal’s office</td>
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<td></td>
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</tr>
<tr>
<td>26.</td>
<td>Jatropha</td>
<td>In front of staff room</td>
<td>03</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
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<td>Gymnasium, stadium Principal’s residence</td>
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</tr>
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<td>32.</td>
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<td></td>
<td></td>
<td></td>
<td>02</td>
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<tr>
<td>33.</td>
<td>Jamun</td>
<td>Botanical garden, Boys lawn, Central library</td>
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<td></td>
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<td>Papaya</td>
<td>Principal’s residence</td>
<td>02</td>
</tr>
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<td>36.</td>
<td>Cichorium kasni</td>
<td>Botanical garden</td>
<td>01</td>
</tr>
<tr>
<td>37.</td>
<td>Madhuca Indica</td>
<td>Infront of canteen</td>
<td>01</td>
</tr>
<tr>
<td>38.</td>
<td>Lagestonia</td>
<td>Infront of office, boundry of the playground</td>
<td>20</td>
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<tr>
<td>39.</td>
<td>Musanda</td>
<td>Girls lawn</td>
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<td>40.</td>
<td>Gulmohar</td>
<td>Boundry wall of college</td>
<td>02</td>
</tr>
<tr>
<td>41.</td>
<td>Jacaranda</td>
<td>Boundry wall of college</td>
<td>02</td>
</tr>
<tr>
<td>42.</td>
<td>Bougainvillea</td>
<td>Infront of office canteen wall</td>
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<tr>
<td>No.</td>
<td>Botanical Name</td>
<td>Location</td>
<td>Quantity</td>
</tr>
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<td>-----</td>
<td>------------------------</td>
<td>-----------------------------------------</td>
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<td>43</td>
<td>Pterospermum acerifolium</td>
<td>Stadium &amp; Near Library</td>
<td>06</td>
</tr>
<tr>
<td>44</td>
<td>Tectona grandis</td>
<td>In botanical garden</td>
<td>01</td>
</tr>
<tr>
<td>45</td>
<td>Cassia glauca</td>
<td>Main Gate to Boundary wall</td>
<td>88</td>
</tr>
<tr>
<td>46</td>
<td>Cassia glauca</td>
<td>Main Gate to Cycle Stand / Dhillon Theater to Ground Gymnasium</td>
<td>238</td>
</tr>
<tr>
<td>47</td>
<td>Putrinjiva rosburghii</td>
<td>Around Fountain</td>
<td>38</td>
</tr>
<tr>
<td>48</td>
<td>Akash Neem</td>
<td>Central Library</td>
<td>02</td>
</tr>
<tr>
<td></td>
<td>Total</td>
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1. (e) GREEN AUDITING
15th June 2021 to 15th July 2021
<table>
<thead>
<tr>
<th>S.No.</th>
<th>Name of Plant</th>
<th>Locality</th>
<th>Number</th>
</tr>
</thead>
</table>
| 1. | Silver oak | -Boys lawn, Botanical garden, central library  
-Girls hostel entrance  
-Gymnasium, Stadium, Principal residence  
-Around gate girls hostel  
-Girl’s Hostel lawn | 38  
04  
149  
07  
16 |
| 2. | Ashoka tree | -Girl’s hostel lawn  
-Girl’s hostel enterance  
-Around and front of girl’s hostel  
-Boys lawn, Botanical garden, Central library | 16  
08  
64  
52 |
| 3. | Thuja | -Boys lawn, Botanical gardens, Central library  
-Around and infront of girl’s hostel  
-Infront of Principal’s office  
-Girl’s hostel lawn | 16  
16  
26  
13 |
| 4. | Mango | -Boys lawn, Botanical garden, Central library  
-Infront of Principal’s office  
-Girls hostel lawn  
-Gymnasium, Stadium, Principal’s office | 09  
01  
21  
05 |
| 5. | Alistonia | -Gymnasium, Stadium, Principal’s residence  
-Girls hostel enterance  
-Towards girls hostel  
-Boys lawn, Botanical garden | 08  
07  
11  
04 |
| 6. | Fish tail palm | -Boys lawn | 02 |
| 7. | Fan palm | -Boys lawn  
-Girls lawn  
-Girls hostel lawn  
-Girls Canteen  
-Girls hostel Entrance  
-Around gate towards girls hostel | 26  
39  
17  
10  
22  
10 |
| 8. | Royal palm | -Towards girls hostel | 40 |
| 9. | Phoenix palm | -Towards girls hostel  
-Infront of Principal’s office  
-Girls hostel enterance  
-Towards girls hostel | 01  
09  
04  
01 |
| 10. | Cycas | -Boys lawn, Central library  
-Infront of Principal’s office  
-Girls hostel lawn | 03  
09  
03 |
| 11. | Cassio fistula  
(Amalta) | -Girls hostel  
-Towards workshop  
-Gymnasium, stadium Principal’s residence  
-Boys lawn, Botanical garden | 09  
04  
04  
07 |
| 12. | Kachnar | -Infront of Principal’s office  
-Gymnasium, Principal’s residence | 01  
01 |
<p>| 13. | Pinus | Gymnasium, Principal’s residence | 01 |</p>
<table>
<thead>
<tr>
<th>S.No.</th>
<th>Name of Plant</th>
<th>Locality</th>
<th>Number</th>
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</thead>
<tbody>
<tr>
<td>14.</td>
<td>Peepal</td>
<td>Gymnasium, Principal’s residence</td>
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<td>15.</td>
<td>Neem</td>
<td>Girls hostel entrance, Gymnasium, stadium, Principal’s residence, Boys lawn, Botanical garden, Central library</td>
<td>01, 08, 03, 04</td>
</tr>
<tr>
<td>16.</td>
<td>Ficus panda</td>
<td>Boys lawn, Botanical garden, Central library</td>
<td>20</td>
</tr>
<tr>
<td>17.</td>
<td>Ficus variegata</td>
<td>Infront of Principal’s office</td>
<td>24</td>
</tr>
<tr>
<td>18.</td>
<td>Plumeria obtusa</td>
<td>Infront of chemistry lab, Girls hostel lawn, Boys Lawn</td>
<td>06, 03, 01</td>
</tr>
<tr>
<td>20.</td>
<td>Gulmohar</td>
<td>Cycle stand, Around Vermicomposting Unit</td>
<td>01, 04</td>
</tr>
<tr>
<td>21.</td>
<td>Juniper</td>
<td>Boys lawn</td>
<td>02</td>
</tr>
<tr>
<td>22.</td>
<td>Ginkgo biloba</td>
<td>Botanical gardens</td>
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</tr>
<tr>
<td>23.</td>
<td>Arucaria</td>
<td>Botanical garden, Infront of Principal’s office, Girls hostel lawn</td>
<td>01, 12, 03</td>
</tr>
<tr>
<td>24.</td>
<td>Bamboo</td>
<td>Principal’s residence, Botanical gardens</td>
<td>01, 05</td>
</tr>
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<td>25.</td>
<td>Dalbergia sioso</td>
<td>Botanical garden</td>
<td>01</td>
</tr>
<tr>
<td>26.</td>
<td>Jatropha</td>
<td>In front of staff room, Boys lawn</td>
<td>03, 02</td>
</tr>
<tr>
<td>27.</td>
<td>Lemon</td>
<td>Botanical garden, Gymnasium, stadium, Principal’s residence</td>
<td>02, 03</td>
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<td>28.</td>
<td>Anar</td>
<td>Gymnasium, stadium, Principal’s residence</td>
<td>02</td>
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<td>Bel</td>
<td>Gymnasium, stadium, Principal’s residence</td>
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<td>30.</td>
<td>Amla</td>
<td>Gymnasium, stadium, Principal’s residence</td>
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<td>31.</td>
<td>Banana</td>
<td>Gymnasium, stadium, Principal’s residence</td>
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<td>32.</td>
<td>Mulberry</td>
<td>Gymnasium, stadium, Principal’s residence, Work shop</td>
<td>06, 02</td>
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<td>33.</td>
<td>Jamun</td>
<td>Botanical garden, Boys lawn, Central library, Gymnasium, stadium, Infront of Principal’s office</td>
<td>04, 03, 01</td>
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<tr>
<td>34.</td>
<td>Prunus</td>
<td>Principal’s residence</td>
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</tr>
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<td>35.</td>
<td>Papaya</td>
<td>Principal’s residence</td>
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<tr>
<td>36.</td>
<td>Cichorium kasni</td>
<td>Botanical garden</td>
<td>01</td>
</tr>
<tr>
<td>37.</td>
<td>Madhuca Indica</td>
<td>Infront of canteen</td>
<td>02</td>
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<td>38.</td>
<td>Lagestesonia</td>
<td>Infront of office, boundary of the playground</td>
<td>20</td>
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<tr>
<td>39.</td>
<td>Musanda</td>
<td>Girls lawn</td>
<td>04</td>
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<tr>
<td>40.</td>
<td>Gulmohar</td>
<td>Boundary wall of college</td>
<td>02</td>
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<td>S.No.</td>
<td>Name of Plant</td>
<td>Locality</td>
<td>Number</td>
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<td>41</td>
<td>Jacaranda</td>
<td>Boundary wall of college</td>
<td>02</td>
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<tr>
<td>42</td>
<td>Bougainvillea</td>
<td>Infront of office canteen wall</td>
<td>10</td>
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<tr>
<td>43</td>
<td>Pterospermum acerifolium</td>
<td>Stadium &amp; Near Library</td>
<td>06</td>
</tr>
<tr>
<td>44</td>
<td>Tectona grandis</td>
<td>In botanical garden</td>
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<td>45</td>
<td>Cassia glauca</td>
<td>Main Gate to Boundary wall</td>
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<td>46</td>
<td>Cassia glauca</td>
<td>Main Gate to Cycle Stand / Dhillon Theater to Ground Gymnasium</td>
<td>239</td>
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<tr>
<td>47</td>
<td>Putrinjiva rosburghii</td>
<td>Around Fountain</td>
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<tr>
<td>48</td>
<td>Akash Neem</td>
<td>Central Library</td>
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<td>49</td>
<td>Moringa Oleifera</td>
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<td>50.</td>
<td>Terminalia Arjuna</td>
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</tbody>
</table>
ENERGY AUDIT

Conducted by

Genesis Engineering Company

On 03.06.2020
Energy Audit report
G.H.G KHALSA COLLEGE
Gurusar, Sadhar District Ludhiana.

(A) Basic
2. A. Standby Supply: The load is alternatively connected to DG set of 82.5 KVA
3. PSPCL account No: U13SB090576F
4. Connected load: 6.34 KW.
5. Location: College Workshop

(B) Distribution
The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct sizes of wire/cables. Presently being under lock down stage the demand load is much less than the connected load. Power factor is well maintained and is in specified limits presently it is .99.

(C) Safety
Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ceiling exhaust fans are of BIS ratings and are in proper serviceable and working conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards. Earthling stations/pits are also provided and are found to be with in permissible values during the test.
(D) Voltage Test

Voltage tests were carried out at different points, at deferent levels and found to be with in permissible limit. No Voltage drop was found in any circuit.

(E) Current test

Current test were also carried out on random appliances and found to be with in permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different
Switch boards at all levels and found it in permissible values (less than 30 mili amps)

Observation:-

After deep survey, and tests, it is observed that the electrical installation of College workshop
building is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion:- It is suggested to replace light fixture of the building to LED from traditional lightings.

For Genesis Engineering Co.

Genesis Engineering Co. Partner

Er. Major Singh
Partner
Energy Audit Report

G.H.G KHALSA COLLEGE
Gurusar, Sadhar District Ludhiana.

(A) Basic

1. Source of Energy; PSPCL through KWH meter No. 340941.
2. A. Standby Supply; The load is alternatively connected to DG set of 82.5 KVA
3. PSPCL account No; U135B090897Y
4. Connected load; 8.12 KW.
5. Location; ATM

(B) Distribution

The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct sizes of wire/ cables. Presently being under lock down stage the demand load is much less than the connected load. Power factor is well maintained and is in specified limits. Presently it is .98.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ceiling/ exhaust fans are of BIS ratings and are in proper serviceable and working conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards.

Earthing stations/pits are also provided and are found to be with in permissible values.
during the test.

(D) Voltage Test

Voltage tests were carried out at different points, at deferent levels and found to be with in permissible limit. No Voltage drop was found in any circuit.

(E) Current test

Current test were also carried out on random appliances and found to be with in permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different Switch boards at all levels and found it in permissible values (less than 30 mili amps)

Observation:-

After deep survey, and tests, it is observed that the electrical installation of ATM Building of the college is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion;- It is suggested to replace light fixture of the building to LED from traditional lightings.

For

Genesis Engineering Co.

For Genesis Engineering Co.
Er. Major Singh  Partner

02 | 06 | 2020
Energy Audit Report
G.H.G KHALSA COLLEGE
Gurusar, Sadhar District Ludhiana.

(A) Basic
1. Source of Energy; PSPCL through KWH meter No. 137352.
2. A. Standby Supply; The load is alternatively connected to DG set of 82.5 KVA
3. PSPCL account No; U13GC130035K
4. Connected load; 31.95 KW.
5. Location; Indoor Gym-Shooting Range and Ground Watering Motor

(B) Distribution
The energy is connected and distributed to different loads through suitable and correct Sizes of wire/ cables/ suitable rating of starter.

Power factor is well maintained and is in specified limits Presently it is .98.

(C) Safety
Satisfactory safety measures are being adopted by the consumer for human safety and motor safety

Earthing stations/pits are also provided and are found to be with in permissible values during the test.

(D) Voltage Test
Voltage tests were carried out at different points, at different levels and found to be with in permissible limit. No Voltage drop was found in any circuit.

(E) Current test
Current test were also carried out at full load of the motor and found to be with in permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different points and found it in permissible values (less than 30 mili amps)

Observation:-

After deep survey, and tests, it is observed that the electrical installation of In Door Gym-Shooting Range Ground Watering Motor in the college premises is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

For

Genesis Engineering Co.

For Genesis Engineering Co.

Er. Major Singh    Partner

Partner

08/06/2020.
Energy Audit report

G.H.G KHALSA COLLEGE
Gurusar, Sadhar District Ludhiana.

(A) Basic

1. Source of Energy; PSPCL through KWH meter No. 151122.
2. 1 A. Standby Supply; The load is alternatively connected to DG set of 82.5 KVA
3. PSPCL account No; U13S8090545F
4. Connected load: 7.0 KW.
5. Location: Open Air Theatre

(B) Distribution

The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct Sizes of wire/ cables. Presently being under lock down stage the demand load is much less than the connected load. Power factor is well maintained and is in specified limits. Presently it is .98.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ceiling/ exhaust fans are of BIS ratings and are in proper serviceable and working conditions. All switch sockets are adequately protected from direct contact to live parts of switch boards. Earthling stations/pits are also provided and are found to be with in permissible values.
during the earth test.

(D) Voltage Test

Voltage tests were carried out at different points, at different levels and found to be within permissible limit. No Voltage drop was found in any circuit.

(E) Current test

Current tests were also carried out on random appliances and found to be within permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different levels. Switch boards at all levels and found within permissible values (less than 30 mili amps)

Observation:-

After deep survey, and tests, it is observed that the electrical installation of open Air theatre is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion:- It is suggested to replace the light fixture of the building to LED from traditional lightings.

For

Genesis Engineering Co.

For Genesis Engineering Co.

Er. Major Singh 03/06/20 20

Partner
Energy Audit report

G.H.G KHALSA COLLEGE
Gurusar, Sadhar District Ludhiana.

(A) Basic


2. Standby Supply: The load is alternatively connected to DG set of 82.5 KVA.

2. PSPCL account No; U13SB090884F

3. Connected load: 3.74 KW.

4. Location: College Guest House

(B) Distribution

The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct sizes of wire/cables. Presently being under lock down stage the demand load is much less than the connected load. Power factor is well maintained and is in specified limits.

Presently it is .99.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ceiling/exhaust fans are of BIS ratings and are in proper serviceable and working conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards. Earthling stations/pits are also provided and are found to be with in permissible values during the Earth test.
(D) Voltage Test

Voltage tests were carried out at different points, at different levels and found to be within permissible limit. No Voltage drop was found in any circuit.

(E) Current test

Current test were also carried out on random appliances and found to be within permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different Switch boards at all levels and found it in permissible values (less than 30 mili amps)

Observation:-

After deep survey, and tests, it is observed that the electrical installation of College Guest house building is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion;- It is suggested to replace light fixture of the building to LED from traditional lightings.

For

Genesis Engineering Co.

For Genesis Engineering Co.

Er. Major Singh 03/06/2020

Partner
Energy Audit report

G.H.G KHALSA COLLEGE
Gurusar, Sadhar District Ludhiana.

(A) Basic

1. Source of Energy; PSPCL through KWH meter No.74881.
2. PSPCL account No; UI3GC130016Y
3. Connected load; - 26.72 KW.
4. Location; - PG Block Degree College

(B) Distribution

The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct Sizes of wire/ cables. Presently being under lock down stage the demand load is much less than the connected load. Power factor is well maintained and is in specified limits

Presently it is .98.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ceiling/ exhaust fans are of BIS ratings and are in proper serviceable and working conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards.

Earthling stations/pits are also provided and are found to be with in permissible values during the earth test.

# 17 LGF, Surya Shopping Arcade, National Road, Ghumar Mandi, LUDHIANA-141 001.
Phone : 0161-5020728 Mobile : 98728-00939, 98142-09307 E-mail : genesis@ludhianatrade.com
REGD. OFFICE : 19-D, BABA NAND SINGH NAGAR, BACKSIDE GODAWRI MOTORS, FEROZEPUR ROAD, LUDHIANA-142 027. PH : 0161-5020446
(D) Voltage Test

Voltage tests were carried out at different points, at different levels and found to be within permissible limit. No voltage drop was found in any circuit.

(E) Current test

Current tests were also carried out on random appliances and found to be within permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different switch boards at all levels and found it in permissible values (less than 30 milli amps).

Observation:-

After deep survey, and tests, it is observed that the electrical installation of PG DEGREE College building is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion:- It is suggested to replace balance light fixture of the class rooms to LED from traditional lightings.

For

Genesis Engineering Co.

For Genesis Engineering Co.

Er. Major Singh

Partner

03/06/2020
Energy Audit Report

G.H.G KHALSA COLLEGE
Gurusar, Sadhar District Ludhiana.

(A) Basic
1. Source of Energy; PSPCL through KWH meter No.8011105.

2. A. Standby Supply; The load is alternatively connected to DG set of 82.5 KVA

3. PSPCL account No; U13GC130018K

4. Connected load; 57.48 KW.

5. Location; Pharmacy College

(B) Distribution

The energy is connected and distributed to different loads through
different sub distribution boards at all levels of the building by suitable and correct
Sizes of wire/ cables. Presently being under lock down stage the demand load is much
Less than the connected load. Power factor is well maintained and is in specified limits
Presently it is .99.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, lighting
fixture/ceiling/ exhaust fans are of BIS ratings and are in proper serviceable and working
conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards.

Earthling stations/pits are also provided and are found to be with in permissible values
during the Earth test.

(D) Voltage Test

Voltage tests were carried out at different points, at different levels and found to be within permissible limits. No Voltage drop was found in any circuit.

(E) Current test

Current tests were also carried out on random appliances and found to be within permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different

Switch boards at all levels and found it in permissible values (less than 30 mili amps)

Observation;

After deep survey, and tests, it is observed that the electrical installation of Pharmacy

College building is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion; It is suggested to replace balance light fixture of the building to LED from traditional lightings.

For

Genesis Engineering Co.

For Genesis Engineering Co.

Er. Major Singh

Partner

Partner

03/06/2020
Energy Audit report
G.H.G KHALSA COLLEGE
Gurusar, Sadhar District Ludhiana.

(A) Basic

1. Source of Energy; PSPCL through KWH meter No. 721368.
2. A. Standby Supply; The load is alternatively connected to DG set of 82.5 KVA
3. PSPCL account No; U15B090889A
4. Connected load; 6.82 KW.
5. Location; Pharmacy College Guest House

(B) Distribution

The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct Sizes of wire/ cables. Presently being under lock down stage the demand load is much Less than the connected load. Power factor is well maintained and is in specified limits Presently it is .98.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ceiling/ exhaust fans are of BIS ratings and are in proper serviceable and working conditions. All switch sockets are adequately protected from direct contact to live parts of switch boards.
Earthling stations/pits are also provided and are found to be with in permissible values during the pit Earth test.

(D) Voltage Test

Voltage tests were carried out at different points, at deferent levels and found to be with in permissible limit. No Voltage drop was found in any circuit.

(E) Current test

Current test were also carried out on random appliances and found to be with in permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different Switch boards at all levels and found it in permissible values (less than 30 mili amps)

Observation:-

After deep survey, and tests, it is observed that the electrical installation of Pharmacy College Guest House of the college is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion;-- It is suggested to replace balance light fixture of the hostel rooms to LED from traditional lightings.

For

Genesis Engineering Co.

For Genesis Engineering Co.

Er. Major Singh  
Partner

Partner
Energy Audit report

G.H.G KHALSA COLLEGE

Gurusar, Sadhar District Ludhiana.

(A) Basic

1. Source of Energy; PSPCL through KWH meter No. 419245.

1A. Standby Supply:- The load is alternatively connected to DG set of 82.5 KVA

2. PSPCL account No; U13GC130019M

3. Connected load:- 43.4 KW.

4. Location;-. Boys Hostel

(B) Distribution

The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct Sizes of wire/ cables. Presently being under lock down stage the demand load is much

Less than the connected load. Power factor is well maintained and is in specified limits

Presently it is .99.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ceiling/ exhaust fans are of BIS ratings and are in proper serviceable and working conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards.

Earthling stations/pits are also provided and are found to be with in permissible values.
during the Earth test.

(D) Voltage Test

Voltage tests were carried out at different points, at different levels and found to be within permissible limits. No Voltage drop was found in any circuit.

(E) Current test

Current tests were also carried out on random appliances and found to be within permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different Switchboards at all levels and found it in permissible values (less than 30 miliamps).

Observation:-

After deep survey, and tests, it is observed that the electrical installation of Boys hostel building is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion:- It is suggested to replace light fixture of the building to LED from traditional lightings.

For

Genesis Engineering Co.

[Signature]

02/06/2020

Er. Major Singh

Partner

Partner
Energy Audit report

G.H.G KHALSA College

Gurusar, Sadhar District Ludhiana.

(A) Basic

1. Source of Energy; PSPCL through KWH meter No.152585.

2. PSPCL account No; U13GC130015 W

3. Connected load; - 35.66 KW.

4. Location; Degree college

(B) Distribution

The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct sizes of wire/ cables. Presently being under lock down stage the demand load is much less than the connected load. Power factor is well maintained and is in specified limits. Presently it is .98.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ceiling/ exhaust fans are of BIS ratings and are in proper serviceable and working conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards.

Earthling stations/pits are also provided and are found to be with in permissible values during the Earth test.

(D) Voltage Test

# 17 LGF, Surya Shopping Arcade, National Road, Ghumar Mandi, LUDHIANA-141 001.
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REGD. OFFICE : 19-D, BABA NAND SINGH NAGAR, BACKSIDE GODAWRI MOTORS,
FEZOZIPUR ROAD, LUDHIANA-142 027. PH : 0161-5020446
Voltage tests were carried out at different points, at different levels and found to be within permissible limit. No voltage drop was found in any circuit.

(E) Current test

Current test were also carried out on random appliances and found to be within permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different
Switch boards at all levels and found it in permissible values (less than 30 milli amps)

Observation:-

After deep survey, and tests, it is observed that the electrical installation of DEGREE college building is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion:- It is suggested to replace balance light fixture of the class rooms to LED from traditional lightings.

For

Genesis Engineering Co.

For Genesis Engineering Co.
Er. Major Singh 03/06/2020
Partner

Partner
Energy Audit report

G.H.G KHALSA COLLEGES
Gurusar, Sadhar District Ludhiana.

(A) Basic

1. Source of Energy; PSPCL through KWH meter No. 8728479.
2. A. Standby Supply; The load is alternatively connected to DG set of 82.5 KVA
3. PSPCL account No; U13SB090414W
4. Connected load; 3.48 KW.
5. Location; Boys Canteen

(B) Distribution

The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct Sizes of wire/ cables. Presently being under lock down stage the demand load is much Less than the connected load. Power factor is well maintained and is in specified limits Presently it is .99.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ceiling/ exhaust fans are of BIS ratings and are in proper serviceable and working conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards.

Earthing stations/pits are also provided and are found to be with in permissible values during the Earth test.
(D) Voltage Test

Voltage tests were carried out at different points, at different levels and found to be within permissible limit. No Voltage drop was found in any circuit.

(E) Current test

Current test were also carried out on random appliances and found to be within permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different Switch boards at all levels and found it in permissible values (less than 30 mili amps).

Observation:

After deep survey, and tests, it is observed that the electrical installation of Boys Canteen building is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion:- It is suggested to replace light fixture of the building to LED from traditional lightings.

For

Genesis Engineering Co.

Er. Major Singh

For Genesis Engineering Co.

Partner

[Signature]

Partner

03/06/2020
Energy Audit report
G.H.G KHALSA COLLEGE
Gurusar, Sadhar District Ludhiana.

(A) Basic
1. Source of Energy; PSPCL through KWH meter No. 7296043.
2. Standby Supply; The load is alternatively connected to DG set of 82.5 KVA
3. PSPCL account No: U13GT130076Y
4. Connected load; 10.72 KW.
5. Location; Pharmacy-II

(B) Distribution
The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct sizes of wires/cables. Presently being under lock down stage the demand load is much less than the connected load. Power factor is well maintained and is in specified limits. Presently it is .98.

(C) Safety
Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ceiling/ exhaust fans are of BIS ratings and are in proper serviceable and working conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards.
Earthling stations/pits are also provided and are found to be with in permissible values during the pit Earth test.

(D) Voltage Test

Voltage tests were carried out at different points, at deferent levels and found to be with in permissible limit. No Voltage drop was found in any circuit.

(E) Current test

Current test were also carried out on random appliances and found to be with in permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different Switch boards at all levels and found it in permissible values (less than 30 mili amps)

Observation:-

After deep survey, and tests, it is observed that the electrical installation of Pharmacy –II of the collegeBuilding is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion;- It is suggested to replace balance light fixture of the hostel rooms to LED from traditional lightings.

For

Genesis Engineering Co.

For Genesis Engineering Co. 03/06/2020
Er. Major Singh Partner
Partner
Energy Audit report

G.H.G KHALSA COLLEGE
Gurusar, Sadhar District Ludhiana.

(A) Basic

2. Standby Supply: The load is alternatively connected to DG set of 82.5 KVA
3. PSPCL account No; U13GC130017F
4. Connected load: 43.12 KW.
5. Location: Mata Ganga (Women) Hostel

(B) Distribution

The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct sizes of wire/cable. Presently being under lock down stage the demand load is much less than the connected load. Power factor is well maintained and is in specified limits.

Presently it is .97.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ceiling/exhaust fans are of BIS ratings and are in proper serviceable and working conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards.
Earthling stations/pits are also provided and are found to be within permissible values during the pit Earth test.

(D) Voltage Test

Voltage tests were carried out at different points, at different levels and found to be within permissible limit. No Voltage drop was found in any circuit.

(E) Current test

Current tests were also carried out on random appliances and found to be within permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different switch boards at all levels and found it in permissible values (less than 30 milli amps).

Observation:-

After deep survey, and tests, it is observed that the electrical installation of Mata Ganga Women Hostel block of the College is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion:- It is suggested to replace balance light fixture of the hostel rooms to LED from traditional lightings.

For

Genesis Engineering Co.

For Genesis Engineering Co.

Er. Major Singh

Partner

03/06/2020

Partner
Energy Audit report
G.H.G KHALSA COLLEGE
Gurusar, Sadhar District Ludhiana.

(A) Basic

1. Source of Energy; PSPCL through KWH meter No. 870419.
2. A. Standby Supply: The load is alternatively connected to DG set of 82.5 KVA
3. PSPCL account No; U13SB090809X
4. Connected load: 1.83 KW.
5. Location: Labour Colony tube well Motor

(B) Distribution

The energy is connected to motor load through
On off/Change over Switch and Starter of suitable ratings by using suitable
Sizes of wire/ cables. Presently being under lock down stage the demand load is much
Less than the connected load. Power factor is well maintained and is in specified limits
Presently it is .93.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, are of BIS
ratings and are in proper serviceable and working conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards.

Earthling stations/pits are also provided and are found to be with in permissible values
during the pit Earth test.
(D) Voltage Test

Voltage tests were carried out at different points, at different levels and found to be within permissible limits. No Voltage drop was found in any circuit.

(E) Current test

Current tests were also carried out on Motor and found to be within permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different switchboards at all levels and found it in permissible values (less than 30 miliamps).

Observation:-

After deep survey, and tests, it is observed that the electrical installation of Labour Colony Tube well motor is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

For

Genesis Engineering Co.

Er. Major Singh

For Genesis Engineering Co.

Partner

03/06/2020

Partner
Energy Audit report

G.H.G KHALSA COLLEGE

Gurusar, Sadhar District Ludhiana.

(A) Basic


2. A. Standby Supply: The load is alternatively connected to DG set of 82.5 KVA

3. PSPCL account No; U13SB090507L

4. Connected load: 0.40 KW.

4. Location: Student Centre

(B) Distribution

The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct Sizes of wire/ cables. Presently being under lock down stage the demand load is much less than the connected load. Power factor is well maintained and is in specified limits. Presently it is .99.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ceiling/ exhaust fans are of BIS ratings and are in proper serviceable and working conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards.

Earthing stations/pits are also provided and are found to be with in permissible values
during the Earth test.

(D) Voltage Test

Voltage tests were carried out at different points, at different levels and found to be within permissible limit. No Voltage drop was found in any circuit.

(E) Current test

Current tests were also carried out on random appliances and found to be with in permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different switch boards at all levels and found it in permissible values (less than 30 mili amps)

Observation:-

After deep survey, and tests, it is observed that the electrical installation of Student Centre is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion:- It is suggested to replace light fixture of the building to LED from traditional lightings.

For

Genesis Engineering Co.

For Genesis Engineering Co. 03/06/2020

Er. Major Singh  Partner

Partner
Energy Audit report

G.H.G KHALSA COLLEGE

Gurusar, Sadhar District Ludhiana.

(A) Basic


2. A. Standby Supply: The load is alternatively connected to DG set of 82.5 KVA

3. PSPCL account No; U13SB090415Y

4. Connected load: 0.20 KW.

4. Location: Stadium Office

(B) Distribution

The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct sizes of wire / cables. Presently being under lock down stage the demand load is much less than the connected load. Power factor is well maintained and is in specified limits

Presently it is .99.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ceiling/ exhaust fans are of BIS ratings and are in proper serviceable and working conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards.

Earthling stations/pits are also provided and are found to be with in permissible values during the Earth test.
(D) Voltage Test

Voltage tests were carried out at different points, at different levels and found to be within permissible limit. No Voltage drop was found in any circuit.

(E) Current test

Current tests were also carried out on random appliances and found to be within permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different

Switch boards at all levels and found it in permissible values (less than 30 mili amps)

Observation;

After deep survey, and tests, it is observed that the electrical installation of Stadium office is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion; It is suggested to replace light fixture of the building to LED from traditional lightings.

For

Genesis Engineering Co.

For Genesis Engineering Co.

Er. Major Singh  Partner

03/06/2020
Energy Audit report

G.H.G KHALSA COLLEGE

Gurusar, Sadhar District Ludhiana.

(A) Basic

2. A. Standby Supply: The load is not connected to any standby supply
3. PSPCL account No; U13S8090591W
4. Connected load: 0.70 KW.
5. Location: Principal Servant Residence

(B) Distribution

The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct Sizes of wire/ cables. Presently being under lock down stage the demand load is much less than the connected load. Power factor is well maintained and is in specified limits Presently it is .98.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ceiling/ exhaust fans are of BIS ratings and are in proper serviceable and working conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards.

Earthling stations/pits are also provided and are found to be with in permissible values during the Earth test.
(D) Voltage Test

Voltage tests were carried out at different points, at different levels and found to be within permissible limits. No Voltage drop was found in any circuit.

(E) Current test

Current tests were also carried out on random appliances and found to be within permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different Switch boards at all levels and found it within permissible values (less than 30 mili amps)

Observation:

After deep survey and tests, it is observed that the electrical installation of Principal’s Servant residence is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion:- It is suggested to replace light fixture of the building to LED from traditional lightings.

For

Genesis Engineering Co.

Er. Major Singh
For Genesis Engineering Co.
Partner

03/06/2020
Energy Audit report

G.H.G KHALSA COLLEGE
Gurusar, Sadhar District Ludhiana.

(A) Basic

2. A. Standby Supply: The load is alternatively connected to DG set of 5 KVA
3. PSPCL account No; U135809057SY
4. Connected load: 8.00 KW.
5. Location: Principal Residence

(B) Distribution

The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct sizes of wire/ cables. Presently being under lock down stage the demand load is much less than the connected load. Power factor is well maintained and is in specified limits.

Presently it is .98.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ ceiling/ exhaust fans are of BIS ratings and are in proper serviceable and working conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards.

Earthling stations/pits are also provided and are found to be with in permissible values.
during the Earth test.

(D) Voltage Test

Voltage tests were carried out at different points, at deferent levels and found to be with in permissible limit. No Voltage drop was found in any circuit.

(E) Current test

Current test were also carried out on random appliances and found to be with in permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different Switch boards at all levels and found it in permissible values (less than 30 mili amps)

Observation;-

After deep survey, and tests, it is observed that the electrical installation of Principal’s residence house building is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion; - It is suggested to replace light fixture of the building to LED from traditional lightings.

For

Genesis Engineering Co.

Er. Major Singh  
Partner
Energy Audit report

G.H.G KHALSA COLLEGE
Gurusar, Sadhar District Ludhiana.

(A) Basic

1. Source of Energy; PSPCL through KWH meter No. 137352.

1 A. Standby Supply:- The load is alternatively connected to DG set of 82.5 KVA

2. PSPCL account No; UI3GC130034F

3. Connected load:- 7.0 KW.

4. Location:- Hall Building

(B) Distribution

The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct sizes of wire/ cables. Presently being under lock down stage the demand load is much less than the connected load. Power factor is well maintained and is in specified limits.

Presently it is .99.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ceiling/ exhaust fans are of BIS ratings and are in proper serviceable and working conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards.

Earthling stations/pits are also provided and are found to be with in permissible values.
during the earth test.

(D) Voltage Test

Voltage tests were carried out at different points, at different levels and found to be within permissible limits. No Voltage drop was found in any circuit.

(E) Current test

Current test were also carried out on random appliances and found to be within permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different switchboards at all levels and found it in permissible values (less than 30 mili amps)

Observation:-

After deep survey, and tests, it is observed that the electrical installation of Hall building is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion:- It is suggested to replace light fixture of the building to LED from traditional lightings.

For

Genesis Engineering Co.

For Genesis Engineering Co.  
Er. Major Singh  
Partner

03/06/2020
Energy Audit report

G.H.G KHALSA COLLEGE

Gurusar, Sadhar District Ludhiana.

(A) Basic

1. Source of Energy; PSPCL through KWH meter No. 721362.
2. A. Standby Supply: The load is alternatively connected to DG set of 82.5 KVA
3. PSPCL account No; U13SB090604H
4. Connected load: 7.0 KW.
5. Location: Boys Hostel Motor

(B) Distribution

The energy is connected to motor load through
On off/Change over Switch and Starter of suitable ratings by using suitable
Sizes of wire/ cables. Presently being under lock down stage the demand load is much
Less than the connected load. Power factor is well maintained and is in specified limits
Presently it is .98.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, are of BIS
ratings and are in proper serviceable and working conditions.
All switch sockets are adequately protected from direct contact to live parts of switch boards.
Earthling stations/pits are also provided and are found to be with in permissible values
during the pit Earth test.

(D) Voltage Test
Voltage tests were carried out at different points, at different levels and found to be within permissible limits. No Voltage drop was found in any circuit.

(E) Current test

Current test were also carried out on Motor and found to be within permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different switch boards at all levels and found it in permissible values (less than 30 mili amps)

Observation:-

After deep survey, and tests, it is observed that the electrical installation of Boys hostel motor is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

For

Genesis Engineering Co.

(for Genesis Engineering Co.)

Er. Major Singh  
Partner

03/06/2020
Energy Audit report

G.H.G KHALSA COLLEGE

Gurusar, Sadhar District Ludhiana.

(A) Basic

2. Standby Supply: The load is alternatively connected to DG set of 82.5 KVA
3. PSPCL account No: U13GC130034F
4. Connected load: 33.30 KW.
5. Location: Nihang Shamsher Singh Hall cum library

(B) Distribution

The energy is connected and distributed to different loads through different sub distribution boards at all levels of the building by suitable and correct sizes of wire/ cables. Presently being under lock down stage the demand load is much less than the connected load. Power factor is well maintained and is in specified limits. Presently it is .98.

(C) Safety

Satisfactory safety measures are being adopted by the consumer. All appliances, lighting fixture/ceiling/ exhaust fans are of BIS ratings and are in proper serviceable and working conditions.

All switch sockets are adequately protected from direct contact to live parts of switch boards.

Earthling stations/pits are also provided and are found to be with in permissible values.
during the pit Earth test.

(D) Voltage Test

Voltage tests were carried out at different points, at different levels and found to be within permissible limits. No Voltage drop was found in any circuit.

(E) Current test

Current tests were also carried out on random appliances and found to be within permissible limits.

(F) Earth leakage test

Earth leakage test was also carried out at selected points in the circuits at different Switch boards at all levels and found it in permissible values (less than 30 mili amps)

Observation:-

After deep survey, and tests, it is observed that the electrical installation of Nihang Shamsher Singh Hall cum Library building of the college is proper in function/performance, safety and is in accordance with IS 732-1989 (R2005)

Suggestion;- It is suggested to replace balance light fixture of the hostel rooms to LED from traditional lightings.

For

Genesis Engineering Co.

For Genesis Engineering Co.

Er. Major Singh 03/06/2020

Partner

Partner
1. No. of water coolers. Amount of water used per day? (in litres)
   Ans. 16
       50 litres water used

2. No. of bath rooms in staff rooms, common rooms, hostels and amount of water used per day?
   Ans. 46
       28000 litres)

3. No. of toilet, urinals. Amount of water used per day?
   Ans. Toilet 154,
       Urinals 24
       32600 litres

4. Does your college harvest rain water?
   Ans. Yes

5. Are there signs reminding people to turn off the water? Yes / No
   Ans. Yes

6. Are sprinklers used to water of your college grounds?
   Ans. Yes

7. How often is the garden watered?
   Ans.

<table>
<thead>
<tr>
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8. Quantity of water used for bus cleaning? (litres per day)
   Ans. 50X2= 100
       4X30 =120
       Total = 220 litres

9. Are there any water saving techniques followed in your college? What are they?
   Ans. Sprinklers for watering grounds and gardens.

10. Are there any energy saving methods employed in your college? If yes, please specify. If no, suggest some.
    Ans. Yes
        LED lights
        Senior based street lights
        Solar Panels

11. How many LED bulbs are used in your college?
    Ans. 1201

12. How many fans are installed in your college? Mention use (Hours used/day for how many days in a month)
    Ans. 946 fans
13. Energy used by each fan per month? (kwh)
   Ans. 1.8 KWH
14. How many air conditioners are installed in your college?
   Ans. 27
15. Energy used by each air conditioner per month? (kwh).
   Ans. 216 KW
16. How many computers are there in your college?
   Ans. 139
17. Energy used by each computer per month? (kwh)
   Ans. 4.8 KWH
18. How many photocopiers are installed by your college?
   Ans. 04 photocopiers and 25 Printers
19. How many inverters are there in the college?
   Ans. 01
20. Energy used by each inverter per month? (kwh)
   Ans. 10.5 KWH
21. No of street lights in your college?
   Ans. 43
22. Energy used by each street light per month? (kwh)
   Ans. 4 KWH
23. No of TV in your college and hostels?
   Ans. 7
24. Energy used by each TV per month? (kwh)
   Ans. 4.8 KW
25. Are your computers and other equipment put on power-saving mode?
   Ans. Yes
26. List the sources of water in your college?
   Ans. Submersible Pumps,
       Water from Punjab Irrigation Department.
27. No. of motors used?
   Ans. 8
28. What is the total horse power of each motor?
   Ans. 4x5 HP
       1x7.5 HP
       1x2HP
       1x1HP
29. How does your college store water?
   Ans. 79,700 litres (21 water tank)
30. Quantity of water stored in your overhead water tank? (in litres)
   Ans. 79,700 litres
31. Quantity of water pumped every day? (in litres)
   Ans. 79,700
32. No. of water taps in the canteens. Amount of water used per day?
   Ans. 3 taps (500 litres)
33. Is there any water used for agricultural purposes?
   Ans. No.

34. Is the environmental Policy displayed on site?
   Yes ☑  Not ☐

35. Is the Policy signed by Eco Club?
   Yes ☑  Not ☐

36. Are Environmental factors included in Risk Assessments?
   Yes ☑  Not ☐

37. Are Environmental emergency procedures adequately addressed and displayed?
   Yes ☑  Not ☐

38. Are Environmental issues adequately addressed at site induction?
   Yes ☑  Not ☐

39. Is the Environmental Policy signed by Head of the Institution?
   Yes ☑  Not ☐

40. Is the campus clean and in good condition?
   Yes ☑  Not ☐

41. Are there adequate parking facilities on / off the campus?
   Yes ☑  Not ☐

42. Are fences, hoardings, and gates in good condition?
   Yes ☑  Not ☐

43. Are drains identified (surface and sewer)?
   Yes ☑  Not ☐

44. Are emergency measures in place?
   Yes ☑  Not ☐

45. Are all chemicals stored safely and marked?
   Yes ☑  Not ☐

46. Are there alternative arrangements for unused materials other than disposal?
   Yes ☑  Not ☐

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Eco Club Members

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Principal
NOTE: The consumption of water and electricity was minimum due to Covid-19 pandemic protocol as instructed by the Govt. and non-attendance of students and employees.

1. No. of water coolers. Amount of water used per day? (in litres)
   Ans. 16
   20 litres water used

2. No. of bath rooms in staff rooms, common rooms, hostels and amount of water used per day?
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   10,000 litres)

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8. Quantity of water used for bus cleaning? (litres per day)
   Ans. $10 \times 2 = 20$
   $1 \times 30 = 30$
   Total = 50 Litres

9. Are there any water saving techniques followed in your college? What are they?
   Ans. Sprinklers for watering grounds and gardens.

10. Are there any energy saving methods employed in your college? If yes, please specify. If no, suggest some.
    Ans. Yes
    LED lights
    Sensor based street lights
    Solar Panels

11. How many LED bulbs are used in your college?
    Ans. 1201
12. How many fans are installed in your college? Mention use (Hours used/day for how many days in a month)
   Ans. 946 fans
   24 days / 5 hours per day
13. Energy used by each fan per month? (kwh)
   Ans. 0.5 KWH
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   Yes ☑      Not ☐

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   Yes ☑      Not ☐

46. Are there alternative arrangements for unused materials other than disposal?
   Yes ☑      Not ☐
ENVIRONMENTAL POLICY

GHG Khalsa College commits to provide a safe, healthful workplace, protecting the environment, conserving energy and natural resources. With these policies in place we believe that we can achieve a healthy and safe environment. We are committed to do and we will:

• Provide a safe and healthful workplace for all.
• Be an environmentally responsible neighbour in the community where we operate, and correct incidents or conditions that endanger health, safety, or the environment.

Conserve natural resources by adopting pollution prevention practices.
Develop and improve operations to minimize waste, and other pollution, minimize health and safety risks, and dispose of waste safely and responsibly.

• Ensure the responsible use of energy including conserving energy by giving preference to renewable over non-renewable energy when feasible.
• Participate in efforts to improve environmental protection and understanding.
• Establish procedures for periodic review of environmental compliance with all laws and regulations.
• Establish procedures to ensure all that employees are knowledgeable of, understand and comply with all applicable environmental laws and regulations.

• Promptly correct any practice or condition not in compliance with this policy.

Signature: [Signature]
Date: [Date]

Ph. 01624 (O): 275227, (R): 275251, (Fax): 275469, e-mail: ghgkcgs@gmail.com