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

- Green Audit
- Energy Audit
- Environment Audit
- Beyond campus environmental promotional activities
<table>
<thead>
<tr>
<th>S.No.</th>
<th>Name of Plant</th>
<th>Locality</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Silver oak</td>
<td>- Boys lawn, Botanical garden, central library</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Girls hostel entrance</td>
<td>04</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Gymnasium, Stadium, Principal residence</td>
<td>149</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Around gate girls hostel</td>
<td>07</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Girl’s Hostel lawn</td>
<td>16</td>
</tr>
<tr>
<td>2.</td>
<td>Ashoka tree</td>
<td>- Girl’s hostel lawn</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Girl’s hostel enterance</td>
<td>08</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Around and front of girl’s hostel</td>
<td>64</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Boys lawn, Botanical garden, Central library</td>
<td>52</td>
</tr>
<tr>
<td>3.</td>
<td>Thuja</td>
<td>- Boys lawn, Botanical gardens, Central library</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Around and front of girl’s hostel</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Infront of Principal’s office</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Girl’s hostel lawn</td>
<td>13</td>
</tr>
<tr>
<td>4.</td>
<td>Mango</td>
<td>- Boys lawn, Botanical garden, Central library</td>
<td>09</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Infront of Principal’s office</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Girls hostel entrance</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Gymnasium, Stadium, Principal’s office</td>
<td>05</td>
</tr>
<tr>
<td>5.</td>
<td>Alistonia</td>
<td>- Gymnasium, Stadium, Principal’s residence</td>
<td>08</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Girls hostel entrance</td>
<td>07</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Towards girls hostel</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Boys lawn, Botanical garden</td>
<td>04</td>
</tr>
<tr>
<td>6.</td>
<td>Fish tail palm</td>
<td>- Boys lawn</td>
<td>02</td>
</tr>
<tr>
<td>7.</td>
<td>Fan palm</td>
<td>- Boys lawn</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Girls lawn</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Girls hostel lawn</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Girls Canteen</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Girls hostel Entrance</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Around gate towards girls hostel</td>
<td>10</td>
</tr>
<tr>
<td>8.</td>
<td>Royal palm</td>
<td>- Towards girls hostel</td>
<td>40</td>
</tr>
<tr>
<td>9.</td>
<td>Phoenix palm</td>
<td>- Towards girls hostel</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Infront of Principal’s office</td>
<td>09</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Girls hostel entrance</td>
<td>04</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Towards girls hostel</td>
<td>01</td>
</tr>
<tr>
<td>10.</td>
<td>Cycas</td>
<td>- Boys lawn, Central library</td>
<td>03</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Infront of Principal’s office</td>
<td>09</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Girls hostel lawn</td>
<td>03</td>
</tr>
<tr>
<td>11.</td>
<td>Cassio fistula</td>
<td>- Girls hostel</td>
<td>09</td>
</tr>
<tr>
<td></td>
<td>(Amaltas)</td>
<td>- Towards workshop</td>
<td>04</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Gymnasium, stadium Principal’s residence</td>
<td>04</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Boys lawn, Botanical garden</td>
<td>07</td>
</tr>
<tr>
<td>12.</td>
<td>Kachnar</td>
<td>- Infront of Principal’s office</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gymnasium, Principal’s residence</td>
<td>01</td>
</tr>
<tr>
<td>13.</td>
<td>Pinus</td>
<td>Gymnasium, Principal’s residence</td>
<td>01</td>
</tr>
<tr>
<td>S.No.</td>
<td>Name of Plant</td>
<td>Localities</td>
<td>Number</td>
</tr>
<tr>
<td>-------</td>
<td>---------------</td>
<td>------------</td>
<td>--------</td>
</tr>
<tr>
<td>14.</td>
<td>Peepal</td>
<td>Gymnasium, Principal’s residence</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Infront of staff room</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Near Archery Ground</td>
<td>04</td>
</tr>
<tr>
<td>15.</td>
<td>Neem</td>
<td>Girls hostel entrance - Gymnasium, stadium</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Principal’s residence - Boys lawn, Botanical garden, Central library</td>
<td>08</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Boys Hostel</td>
<td>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</td>
<td>06</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Girls hostel lawn</td>
<td>03</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Boys Lawn</td>
<td>01</td>
</tr>
<tr>
<td>20.</td>
<td>Gulmohar</td>
<td>Cycle stand</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Around Vermicomposting Unit</td>
<td>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>
<td>01</td>
</tr>
<tr>
<td>23.</td>
<td>Arucaria</td>
<td>Botanical garden</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Infront of Principal’s office</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Girls hostel lawn</td>
<td>03</td>
</tr>
<tr>
<td>24.</td>
<td>Bamboo</td>
<td>Principal’s residence</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Botanical gardens</td>
<td>05</td>
</tr>
<tr>
<td>25.</td>
<td>Dalbergia s isso</td>
<td>Botanical garden</td>
<td>01</td>
</tr>
<tr>
<td>26.</td>
<td>Jatropha</td>
<td>In front of staff room</td>
<td>03</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Boys lawn</td>
<td>02</td>
</tr>
<tr>
<td>27.</td>
<td>Lemon</td>
<td>Botanical garden</td>
<td>02</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gymnasium, stadium Principal’s residence</td>
<td>03</td>
</tr>
<tr>
<td>28.</td>
<td>Anar</td>
<td>Gymnasium, stadium Principal’s residence</td>
<td>02</td>
</tr>
<tr>
<td>29.</td>
<td>Bel</td>
<td>Gymnasium, stadium Principal’s residence</td>
<td>01</td>
</tr>
<tr>
<td>30.</td>
<td>Amla</td>
<td>Gymnasium, stadium Principal’s residence</td>
<td>01</td>
</tr>
<tr>
<td>31.</td>
<td>Banana</td>
<td>Gymnasium, stadium Principal’s residence</td>
<td>01</td>
</tr>
<tr>
<td>32.</td>
<td>Mulberry</td>
<td>Gymnasium, stadium Principal’s residence</td>
<td>06</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Work shop</td>
<td>02</td>
</tr>
<tr>
<td>33.</td>
<td>Jamun</td>
<td>Botanical garden, Boys lawn, Central library</td>
<td>04</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gymnasium, stadium</td>
<td>03</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Infront of Principal’s office</td>
<td>01</td>
</tr>
<tr>
<td>34.</td>
<td>Prunus</td>
<td>Principal’s residence</td>
<td>02</td>
</tr>
<tr>
<td>35.</td>
<td>Papaya</td>
<td>Principal’s residence</td>
<td>02</td>
</tr>
<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>
</tr>
<tr>
<td>38.</td>
<td>Lagestonia</td>
<td>Infront of office, boundary of the playground</td>
<td>20</td>
</tr>
<tr>
<td>39.</td>
<td>Musanda</td>
<td>Girls lawn</td>
<td>04</td>
</tr>
<tr>
<td>40.</td>
<td>Gulmohar</td>
<td>Boundary wall of college</td>
<td>02</td>
</tr>
<tr>
<td>S.No.</td>
<td>Name of Plant</td>
<td>Locality</td>
<td>Number</td>
</tr>
<tr>
<td>-------</td>
<td>------------------------</td>
<td>--------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>41</td>
<td>Jacranda</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>
<td>10</td>
</tr>
<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>
<td>01</td>
</tr>
<tr>
<td>45</td>
<td>Cassia glauca</td>
<td>Main Gate to Boundary wall</td>
<td>90</td>
</tr>
<tr>
<td>46</td>
<td>Cassia glauca</td>
<td>Main Gate to Cycle Stand / Dhillon Theater to Ground Gymnasium</td>
<td>239</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>49</td>
<td>Moringa Oleifera</td>
<td>Boys lawn ,Botanical garden</td>
<td>09</td>
</tr>
<tr>
<td>50</td>
<td>Terminalia Arjuna</td>
<td>Boys lawn ,Botanical garden</td>
<td>03</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td>1256</td>
</tr>
</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


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

2. PSPCL account No: U13SB090576F

3. Connected load: 6.34 KW.

4. 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 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 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
2. A. Standby Supply: The load is alternatively connected to DG set of 82.5 KVA
3. PSPCL account No: U13SB090897Y
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 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 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

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.

(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 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 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.

Er. Major Singh Partner

08/06/2020.
Energy Audit report

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

(A) Basic

2. 1A Standby Supply: The load is alternatively connected to DG set of 82.5 KVA
3. PSPCL account No; U13SB090545F
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.
(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 milliamps).

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 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. A. Standby Supply: The load is alternatively connected to DG set of 82.5 KVA.
3. PSPCL account No; U13SB090884F
4. Connected load: 3.74 KW.
5. 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 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 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
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.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.
(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 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

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

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

2. PSPCL Account No: U13GC130018K

3. Connected load: 57.48 KW

4. 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 within 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 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 the balance 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. 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 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 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 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.

1. A. 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 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 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.

For Genesis Engineering Co.

Er. Major Singh  Partner

Partner

02/06/2020
Energy Audit report

G.H.G KHALSA College

Gurusar, Sadhar District Ludhiana.

(A) Basic

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.
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
Voltage tests were carried out at different points, at deferent 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 08/06/2020

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.
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 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 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

[Signature]

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. A. 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 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 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 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 milliamps)

Observation:-

After deep survey, and tests, it is observed that the electrical installation of Pharmacy -II of the 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 hostel 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
2. 1A. 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/ 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 0.97.

(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 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 milliamps)

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

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. 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 with in permissible limit. No Voltage drop was found in any circuit.

(E) Current test

Current test were also carried out on 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 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 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

1. Source of Energy; PSPCL through KWH meter No. 2129104.
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.
5. 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.

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 the 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 the 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 it in permissible values (less than 30 milliamps).

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.

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. 18341242.
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.
5. 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 stest.
(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 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.

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 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 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 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
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 5 KVA
3. PSPCL account No; U13SB090575Y
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.

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 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 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 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 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. 03/06/2020

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.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 limit. 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.

[Signature]

Er. Major Singh  
Partner

[Signature]

Partner

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

(A) Basic
1. Source of Energy; PSPCL through KWH meter No. 72972388.
2. A. 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 within 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 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.

Er. Major Singh  Partner 

For Genesis Engineering Co.

M.Singh  03/06/2020

Partner
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?
   Ans. 46
   10,000 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>
<th></th>
<th>Winters</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gardens</td>
<td>Every Third Day</td>
<td>Every Day</td>
</tr>
<tr>
<td>Lawns</td>
<td>Every Fifteen Days</td>
<td>Once a week</td>
</tr>
<tr>
<td>Grounds</td>
<td>Fortnightly</td>
<td>Once a week</td>
</tr>
</tbody>
</table>

8. Quantity of water used for bus cleaning? (litres per day)
   Ans. 10x2 = 20
   1x30 = 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
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 is 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. 0.1 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
   1x2 HP
   1x1 HP
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)
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 singed by Head of the Institution?
Yes ☑
Not ☐

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

41. Are there adequate parking facilities off/on 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 ☐

Eco Club Members

Principal
9/17/21