

The Principal
Govt. Degree College Kulgam

Ref: Creation of Green Audit Committee vide Order No. GDCK/Estt./21/
Dated: 27/02/2021

Report by Green Audit Committee

In the above cited order, a committee of the following five faculty members had been constituted to submit the detailed report in transforming the institution into an eco- friendly, picturesque and healthy place.

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|-------------------------------|-------------|
| 1. Prof. Shameem Ahmad Hakeem | Convener |
| 2. Prof. Zubair Ahmad | Co-Convener |
| 3. Dr. Safeer Ahmad Bhat | Member |
| 4. Dr. Aijaz Ahmad Najar | Member |
| 5. Dr. Jahangeer Afzal Parry | Member |

The committee took the cognizance of the above cited order and consequently initiated the process of chalking out the plan for comprehensive measures to be taken for making the institution eco-friendly in every aspect. The committee was supposed to suggest the measures to be taken in respect of the following categories:

- Waste disposal audit
- Energy Audit
- Environmental Quality Audit
- Health Audit
- Status of Using Renewable Energy
- Carbon Accounting

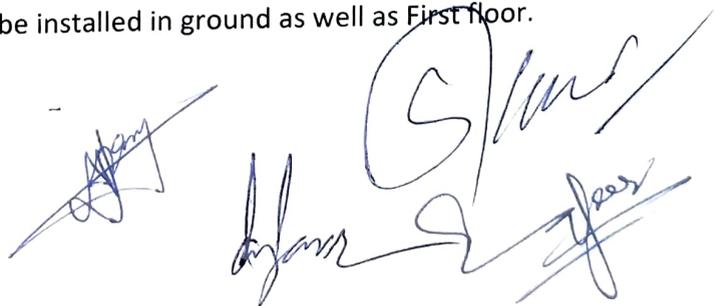
The committee under the leadership of Convener surveyed all the hotspots in the college which in one or the other way is responsible for contributing towards the above mentioned categories.

Specific Suggestions/Recommendations for different blocks of the college

Consequent upon threadbare discussions with all stakeholders and physical verification, the committee suggests the following measures to be taken for the said purpose in different segments of the college as follows:

Arts Block:

- The overall waste disposal needs a proper mechanism and supervision on weekly basis. *Big Dust bins*, preferably color coded, shall be installed in ground as well as First floor.



2. One attached toilet (English type Commode) of the conference hall is broken and needs to be restored immediately.
3. The energy requirement of the block is beyond the installed capacity (Direct PDD line + Generator) as Two Computer Applications Labs, EDUSAT Room, conference hall are located in this block.
4. The Solar Power requirement is a must as all the rooms are equipped with Smart Board cum Interactive Panels and need continuous power supply.
5. Water Logging around the whole building needs an immediate attention and proper drainage must be ensured at the earliest for the safeguard of the building in particular and the college asset as general.

Science Block:

1. The apprehensions of causing the damage to environment are more in this block as almost all science subject labs are installed in it.
2. The waste including the dangerous chemicals are disposed off in the open land behind the Block causing a serious anthropogenic threat to the flora and fauna, natural habitat and greenery. For this, each department requires one set of Color Coded Dustbins for different kinds of Chemical waste produced in the Labs and its proper disposal.
3. During the usage of chemicals in the Labs, different kinds of unbearable fumes are produced causing dizziness, headache etc. to the students and staff. For this, one Fume hood (Ventilation Device) needs to be installed in the Chemistry and Biochemistry Labs.
4. Installation of *One Common Big Incinerator* outside the building (Preferably behind the Block) is strongly recommended for properly disposing off all kinds of wastes (chemicals, glasses, wipes, pads etc.).
5. Water Supply to Botany Lab should be restored for carrying out certain essential experiments and thereafter maintaining the hygiene and cleanliness of the Lab.
6. For prioritizing the human health, the already issued Kent water purifiers shall be installed immediately in each department for round the clock availability of drinking water.
7. Many inflammable items are stored/stocked in the Labs for carrying out different experiments, which subsequently increases chances of catching fire during their use. For this, appropriate number of *Fire extinguishers* need to be installed in each department.
8. The gas bank constructed behind the block need to be made functional by providing the commercial gas cylinders for carrying out important lab works.

Canteen:

1. The canteen is one of the leading hotspots of anthropogenic threat to the environment, as the waste produced on daily basis remains untreated. For this one set of color coded dustbins must be installed in the canteen.
2. This area is prone to prolonged water logging due to the lower land bed as compared to its surroundings. For this, a proper drain around the whole canteen must be constructed for quick drainage.

3. For creating the space for light refreshments, the front portion of the canteen may be developed in the form of a lawn for official visitors, staff etc.
4. Common drinking facility in the form of reverse osmosis plant may be installed for round the clock availability of drinking water.
5. The walls and basement of dining/ eatery area for male staff and students must be upgraded with tiles, wallpapers etc. for proper hygiene. Further the attached bathroom needs upgradation in terms of tiling and other essential items.
6. Full set of basic furniture like tables and chairs shall be made available.
7. Concrete footpath (Preferably by cement tiles) must be constructed for all weather access to the canteen and avoiding the trespassing towards the canteen.
8. The cooking area is undoubtedly non-hygienic and could take a toll on the health of students and staff if left un-noticed as the unhygienic food is provided to the staff as well as students. For this, upgradation of Kitchen area may be taken on priority.

Area Behind New Building and Administrative Block:

The present situation of this area is that it is full of unwanted grass, kikkar trees, and other thorny type of plants. This area can be developed into a full fledged slanting type sitting area for staff and students by planting fur, conifers, ever green plants etc. For this, a joint initiative can be taken with the officials of forest, Floriculture departments for suggestions and requirements if required. This will augment the healthy environment of the college.

1. ***The committee highly recommends its transformation as it will add to the beauty and serenity of existing infrastructure of the college.***
2. The green patch on the front side of the New Building (Commerce Block) should be developed in the form of small lawns by raising its land level and thereby transforming it into a sitting and reading area for the students.
3. **The already constructed Lavatory block behind the building must be taken over for use from the concerned quarters.**

Area around Hr. Sec. Block:

1. An extra concrete Storage Room /Teen Shed may be constructed besides the already existing store for coal and other unused/damaged furniture items which otherwise damages environment if left in the open space.
2. **To enhance the facility of pure drinking water, a general big water purifier may be installed for students at one end preferably on BBA department side.**

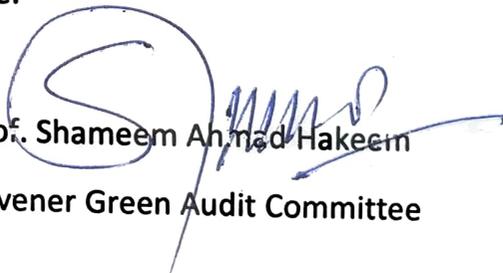
General Recommendations/Suggestions:

1. Water logging has a direct effect on the flowering, evergreen plants, and also becomes a source (breeding place) of some bacterial infections and other water borne diseases. Water logging problem can be naturally drained out by just raising the land levels and

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constructing some drains wherever necessary as the college land is already at a higher bed than the surroundings.

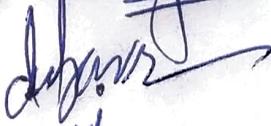
2. The solar power panels can be fixed on the roof tops of the buildings and its capacity can easily be distributed as per the requirements of certain departments/blocks. This will open up more space for co-curricular activities for girl students in particular and safety of solar panels in general.
3. The committee is of the view that sufficient solar power is available (about 40KVA) from the existing installation but needs proper division and mechanism. As per the information only 25% solar energy is utilized and is used by Administrative block only.
4. The roadsides towards the different blocks can be beautified by raising the flowering/evergreen plant beds in such a way to avoid water accumulation. This will ensure the long life of delicate flowering plants and their safety.
5. Out of the 90 Kanals of college land, almost 50% is a green patch area in the form of lawns/playing grounds etc. and needs a little bit of attention for attractive look.
6. Two Lavatory blocks for boys behind the Science block need repairments as leakage of pipes, taps gives rise to the continuous accumulation of water and consequently produces unbearable smells.
7. There is a negligible role of emission of gases (Through vehicles, burning of coal etc) responsible for Green house effect.
8. As all of us are aware that regular workout/exercises during the leisure time of the staff and students enhances the physical and mental wellbeing of a person, an indoor gym Centre established in the Physical Education Department may be made functional.
9. Common first aid facility is available and caters the needs of the students and staff. However, some basic facilities like stretcher, disposable kits, digital meters etc. are needed to the health centre for normal and emergency use.


Prof. Shameem Ahmad Hakeem
Convener Green Audit Committee

Committee Members:

1. Prof. Zubair Ahmad (Co-Covener) 

2. Dr. Safeer Ahmad Bhat (Member) 

3. Dr. Aijaz Ahmad Najar (Member) 

4. Dr. Jahangeer Afzal Parry (Member) 