

7.1.2: The Institution has facilities and initiatives for

A. Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar Energy:

To minimize the cost of energy and settle for a sustainable alternative, a number of educational institutions in the city are choosing to go green. They have installed solar panels to generate electricity that can be used in classrooms and offices.

- **Solar Power Plant Details :-**

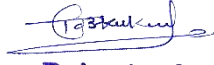
Type: 12 Kwp ON Grid Tied power plant

*Total Cost: Rs. 251,221.00/- (Rupees Two hundred fifty one Thousand two hundred twenty one only)

*Guarantee: 5 year

- **Geo-tagged Photo:**




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2. Sensor-based energy conservation

▪ Geo-tag photo:



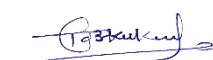
3. USE OF LED

As a step towards energy saving, total lightings of class rooms, labs and office are replaced with LED panels.

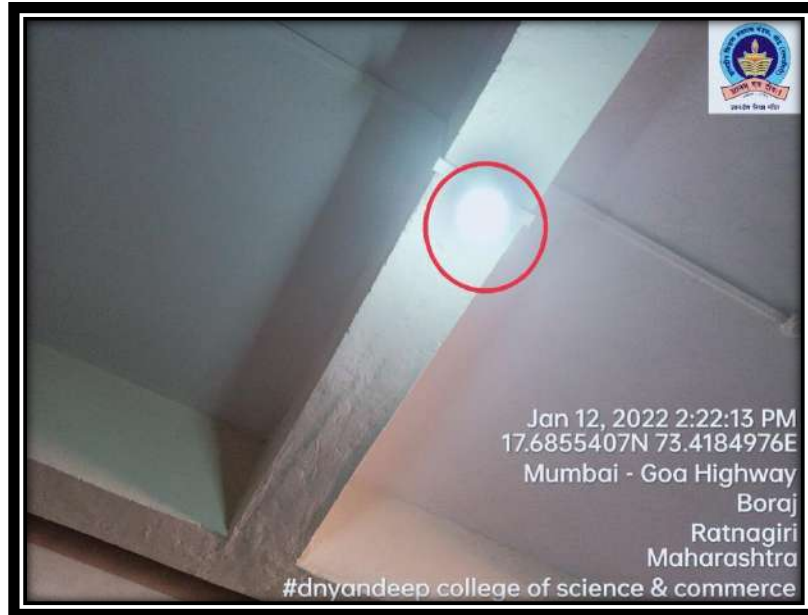
The outcomes of LED lights are as given below:

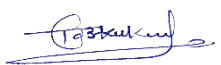
- Long life. The components of an LED and the way that they generate light significantly extend the lifespan of these bulbs. ...




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- Energy efficiency. ...
 - High brightness and intensity. ...
 - Exceptional color range. ...
 - Low radiated heat. ...
 - Reliability. ...
 - Instantaneous illumination. ...
 - Directional lighting.
- **Geo-tag photo :**



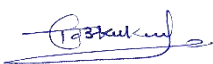

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B. Management of the various types of degradable and non-degradable waste

1. Solid waste management:

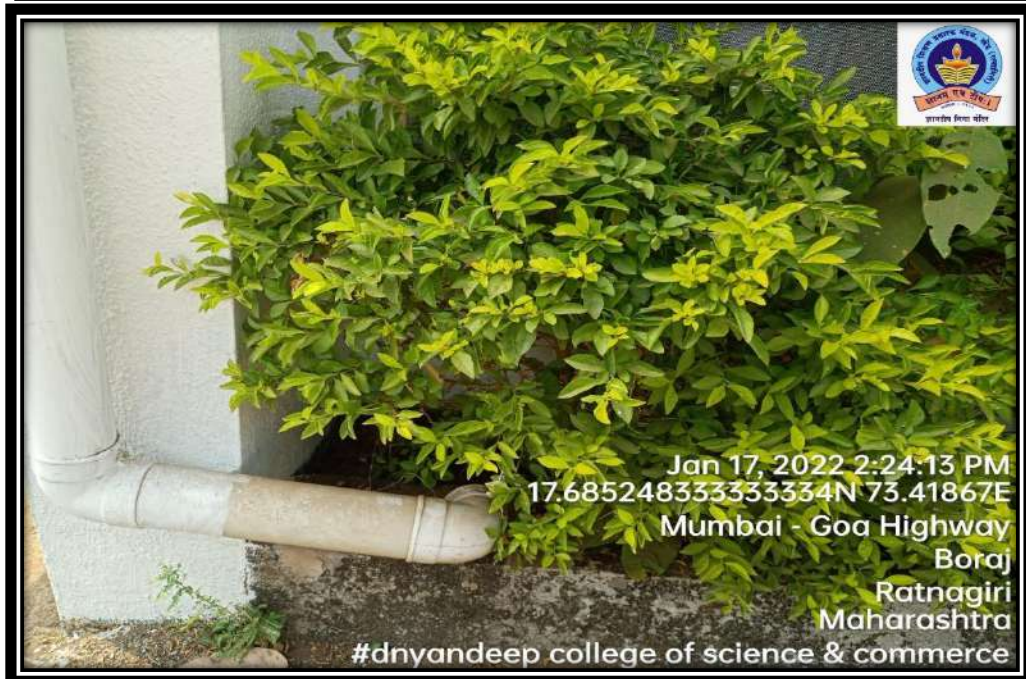
- To reduce waste at college, students and staff are educated on proper waste management practices through lectures, advertisement on notice boards, displaying slogan boards in the campus.
- Waste is collected on a daily basis from various sources and is separated as **dry and wet waste**.
- Color coded dustbins are used for different types of wastes. Green for wet and blue for solid waste.
- Daily garbage is collected by housekeeping personnel and handed over to authorized personnel of Grampanchayat for further processing. Waste material like plastic, papers etc. are collected and sold out to scrap vendor from time to time.
- Efforts have taken to produce compost manure from the canteen solid waste and waste from other sources and efficiently run by the students. Manure is used for the purpose of herbal garden as well or for planted tree.
 - Geo-tag Photo:

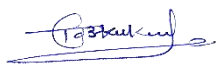



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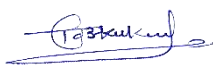
2. Liquid Waste Management:

- All waste water lines from toilets; bathrooms etc. are connected with Municipal drainage mains.
- Washbasin pipes connected with tress/plant areas for water supply.
 - Geo-tag Photo:




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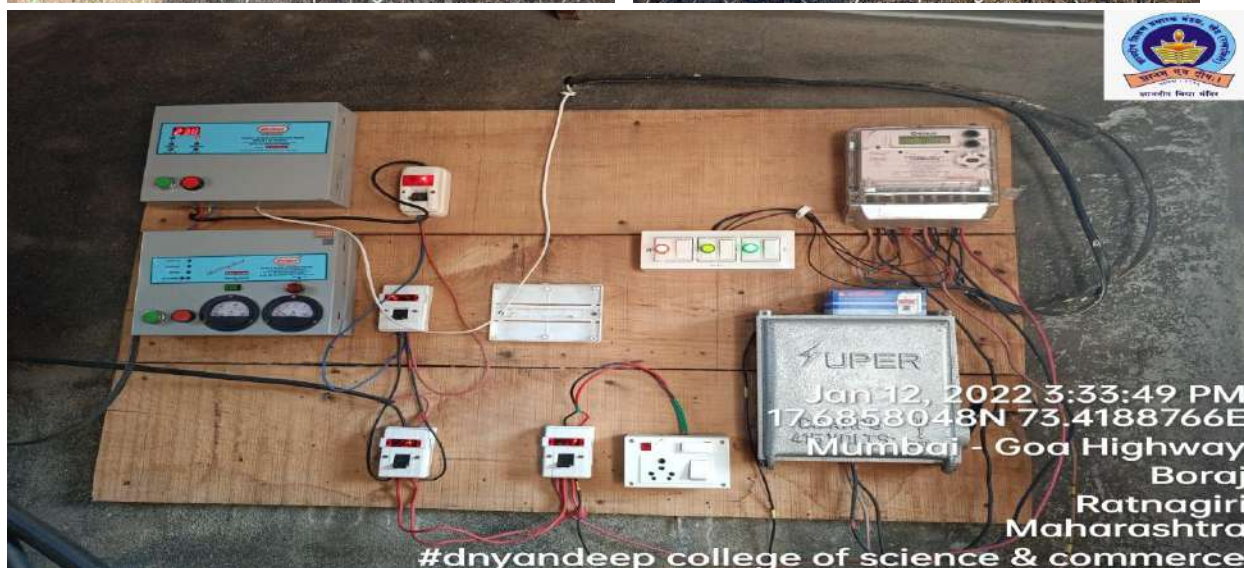
C. Water Conservation

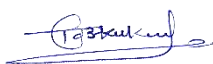
1. Borewell:

All the Building for various departments/sections is supplied water from bore well.

The pipe distribution system and control valves are installed at various places as shown below in photograph. Regular maintenance of pump installed in borewell.

Non-teaching of each department takes care of opening of control valves for supplying the drinking water to overhead water tanks installed at the terrace of respective department.




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2. Rain Water Harvesting:

Concept of rainwater harvesting lies in:

- Tapping the rainwater from where it falls
- Techniques of rainwater harvesting involve

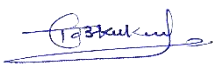
Catch the rainwater from localized catchment surfaces such as roof of a house, plain and sloping ground surfaces etc. It is easy process to collect Rainwater and diverted into ponds, vessels or underground tanks to store for longer periods and to recharge by construction of RWH Structures in a suitable sites.

Rainwater harvesting is in two ways --

1. Direct Use:

The process of collecting and storing the rainwater by construction of sump through filters for future productive use and




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2. Artificial recharge to groundwater:

Recharge the rainwater in a scientifically planned way by construction of rain / roof top water harvesting structures to augment the groundwater.

Direct Use:

Rainwater can be used directly in water scarce period by construction of sump and collect the roof top rainwater through filter media.

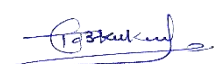


D. Green Campus Initiatives

- **Ban on use of Plastic :**

The college continuously committed to work towards plastic-free campus.

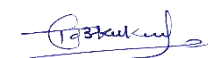



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NO SMOKING CAMPUS

As an initiative to make our college campus completely smoke and tobacco free, smoking and chewing of tobacco is strictly prohibited in COER campus.





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- Mobile is prohibited for student.



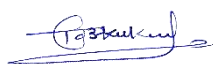

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- Restricted entry of automobile:



E. Disabled –Friendly, Barrier free Environment




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Dnyandeep College of Science and Commerce

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CRITERIA 7.1.7

The Institution has disabled-friendly, barrier free environment

**INFORMATION BROCHURE ON DISABLED-FRIENDLY,
BARRIER FREE ENVIRONMENT**



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 - 3.3 Provision for Scribe
 - 3.5 Physical facility (wheelchair):



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Green for wet and

es and is separated as dry

1. Preamble

India has around 80 million people with disability, which may be age related, accident related or due to some medical conditions. According to the Word Bank, one in every 12 households in India has a person living with disability. The Indian policy-makers are aware of the issue and Rights of Persons with Disabilities Act, 2016, tried to address some of the concerns faced by differently-abled persons in India. The Act specifically refers to ease of access to public or private buildings, workplaces, commercial activities, public utilities, religious, cultural, leisure or recreational activities, medical or health services, law enforcement agencies, transport infrastructure, among others. In 2015, the Prime Minister rolled out the "Accessible India" (Sugamya Bharat Abhiyan) campaign, with a motive to make it convenient for persons with disabilities to access administrative buildings and transport, among other things. The campaign has been launched in seven States including Delhi and Haryana. The government is also committed towards socio-economic transformation (Swavlamban), of the persons with disability by year 2020 and in this context, India can learn from the global best practices and some of the initiatives taken within the country. At the Workplaces and Educational Institutions, Disabled people found it difficult to access the facilities. Some of the common problems faced by the disabled persons and students are to access the class room, laboratories, washrooms, upper floors of building, library, play grounds, hostel mess and cafeterias etc. Therefore at the institute level to build a disabled friendly environment, the following facilities can be helpful:

- Built environment with ramps/lifts for easy access to classrooms, laboratories, library etc.
- Disabled-friendly washrooms
- Signage including tactile path, lights, display boards and signposts
- Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment
- Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

However, there is need for more work to see if such facilities can help to build such facilities which are disabled-friendly. Buildings can be with an emergency button, which can help community workers (for example, guards) to respond fast to the needs of the disabled person.



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2. Differently Abled (Divyangjan) Friendliness, Barrier Free facilities in the campus

Dnyandeep College of Science and Commerce Morvande-Boraj, Khed aims to provide an inclusive education framework for all and so strives to create a barrier free and differently abled (divyangjan) friendly environment in our campus. Ramps, specific facilities are provided all over the campus wherever required. Scribes and additional time are provided at the time of examination as per norms. Divyangjan-friendly wheelchairs, vehicles and equipment are provided to employees/students as per their requirement.

3. Types of facilities

3.1 Ramps facility

3.2 Signage

3.3 Provision for Scribe

3.4 Physical facility (wheelchair)

3.1 Ramps facility

The Ramps are built through the campus where uneven floor levels or kerbs are present to provide convenience and prevent tripping accidents. Ramps are helpful to push a pallet truck, trolley, or wheel chair over a kerb or step by negotiating just a few inches of height difference. Utility ramps solve the problem and make wheeled movement between uneven levels very easy. The college authorities are sensitive towards the differently abled students. Therefore, we at college campus provide lift facility and help these students in minimizing their difficulties and making them comfortable in the campus. The lift facility for divyangans has been shown in the figure.



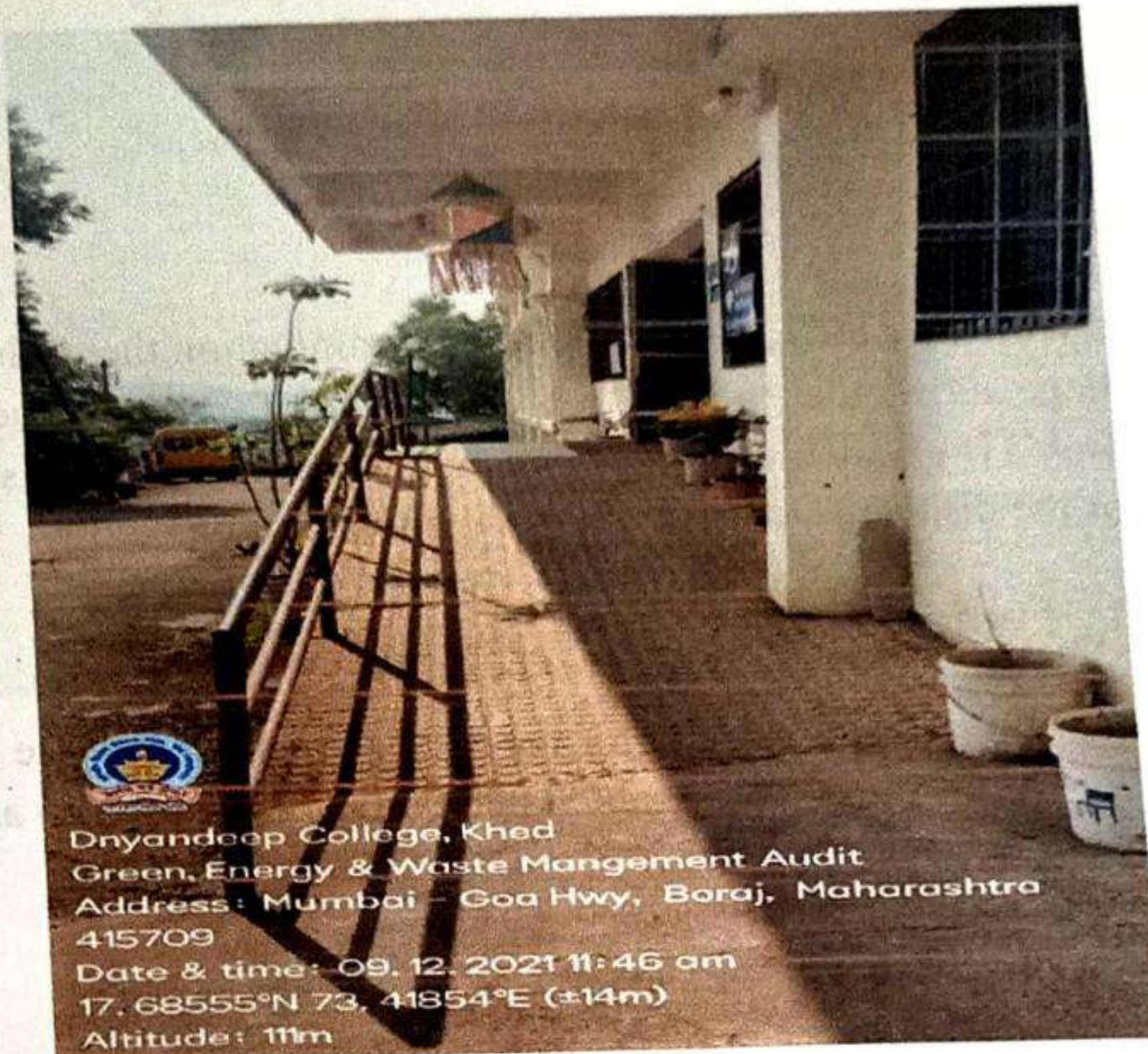
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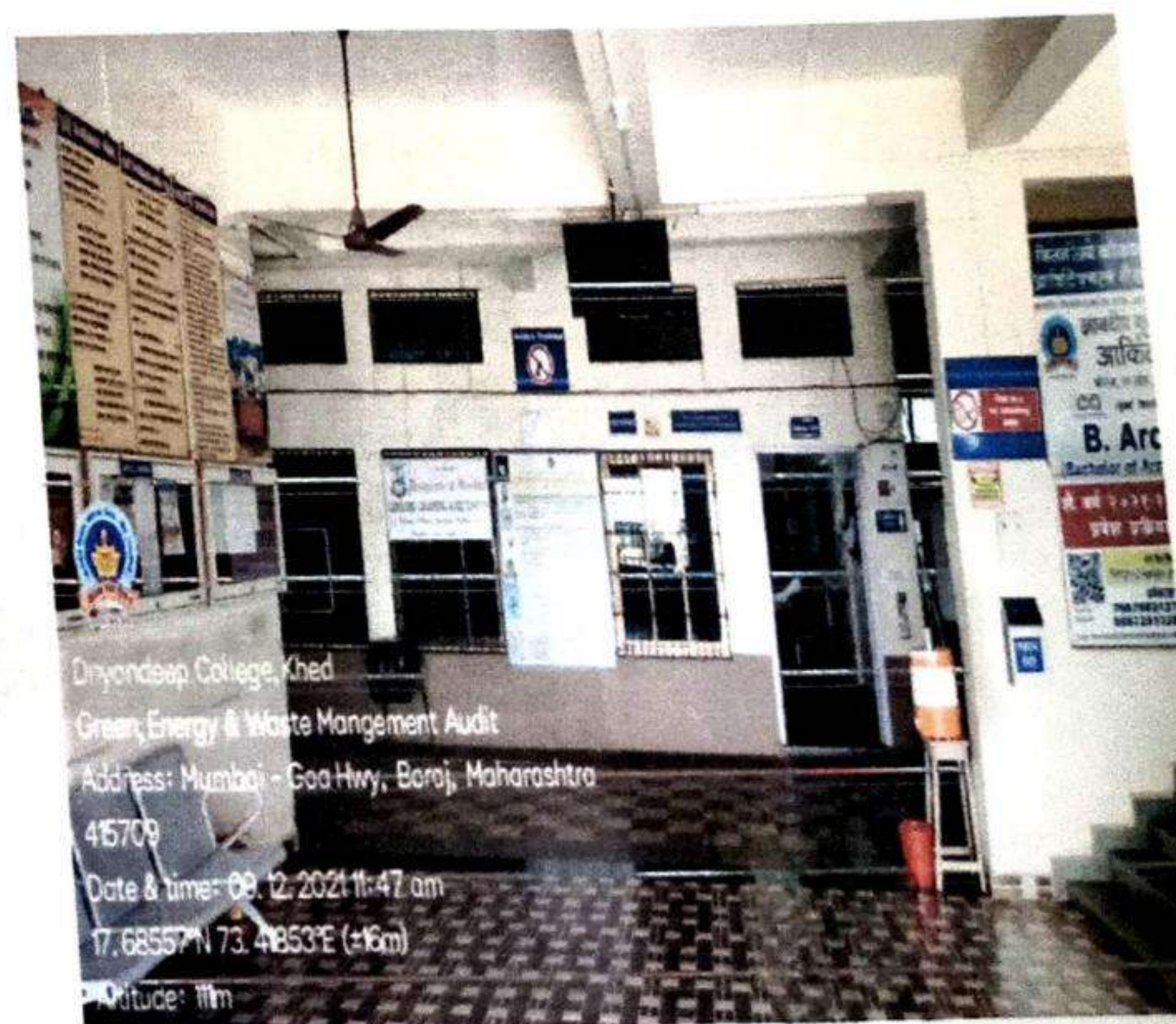
Dnyandeep College, Khed
Green, Energy & Waste Management Audit
Address: Mumbai - Goa Hwy, Boraj, Maharashtra
415709
Date & time: 09.12.2021 11:46 am
17.68555°N 73.41854°E (±14m)
Altitude: 111m

3.3 Signage:

Educational institutions need to comply with the safety laws and rules and it is essential for them to place the safety signs as per the defined guidelines. These signs ensure the safety of the students in case of any emergencies. Directional signage, safety signage, branding and vision-mission signage are need to be installed throughout the campus.



Dnyandeep College, Khed
Green, Energy & Waste Management Audit
Address: Mumbai - Goa Hwy, Boraj, Maharashtra
415709
Date & time: 09.12.2021 10:01 am
17.68539°N 73.41843°E (±50m)
Altitude: 113m



Dnyandeep College, Khed
Green, Energy & Waste Management Audit
Address: Mumbai - Goa Hwy, Boraj, Maharashtra
415709
Date & time: 09.12.2021 11:47 am
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Altitude: 111m



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3.4 Provision for Scribe

There are some students who have difficulty in taking the examination themselves and need scribes to assist. The college allows the students to take the help of scribes in the examination after due permission from UTU examination controller. The relevant documents related to permission for scribes for the disabled students (Divyangjan) are given below.

3.5 Physical facility (wheelchair):

There is an availability of sufficient wheelchairs for the disabled person and one community worker is also available for the movement of disabled person from one place to another as per their requirement.



[Signature]
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