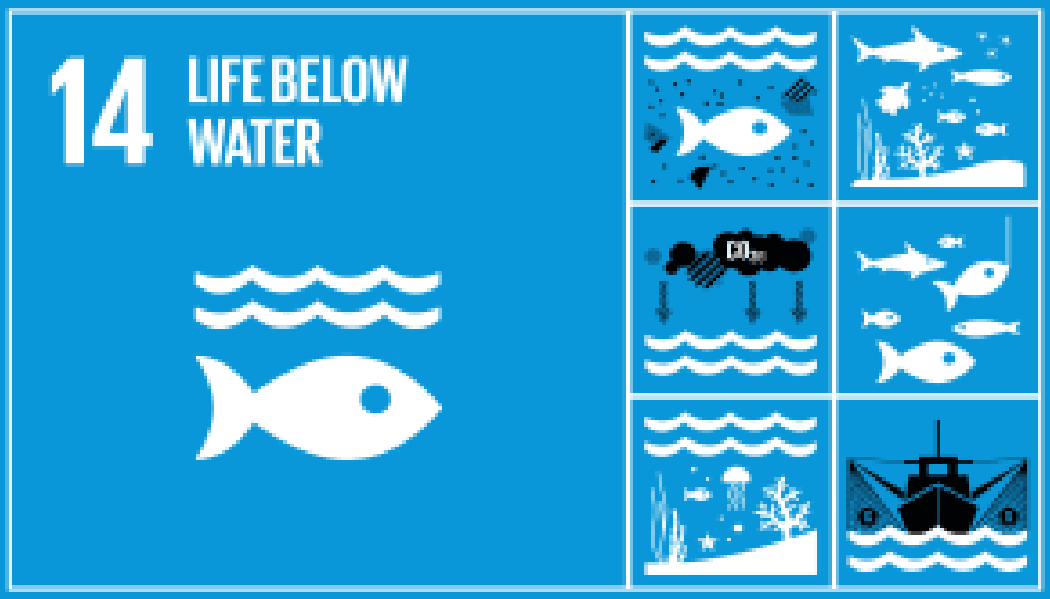
Sustainable Development Goals 14

'Life Below Water'



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Sustainable Development Goals 14

'Life below water'

Introduction

The oceans and the seas are the most important asset to the earth and are responsible for the sustenance of life on earth. Clean and unpolluted oceans and seas are essential for life on land as well as the water. The water bodies comprise 70 percent of our planet and they provide us with for food, energy and water.

The sad reality is that with the increased industrialisation and lack of awareness, as a species we have done huge amount of damage to these precious resources. It is urgent that we protect them from further degradation by eliminating pollution and overfishing and immediately start to responsibly manage and protect all marine life around the world.

The sutainable goals to protect and preserve Life below water:

Reduce Marine Pollution

It is vital to prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution.

Protect And Restore Ecosystems

Every effort should be made to sustainably manage and protect marine and coastal ecosystems to avoid substantial adverse outcomes, take action for their immediate rehabilitation so that we can achieve healthy and productive oceans by increasing and by strengthening their capacity for rejuvenation.

Reduce Ocean Acidification

It is important that all stakeholders minimize and address the impacts of ocean acidification, including through enhanced scientific cooperation at all levels.

Sustainable Fishing

All stakeholders must join hands to effectively regulate excessive marine life harvesting, and end illegal, and unregulated fishing and damaging fishing practices on a war footing. It is also mandatory to inculcate and implement scientific management plans, in order to restore fish stocks in the shortest time feasible, at least to levels that can produce maximum sustainable yield according to the natural progression of marine life.

Research and Innovation for Sustainable Development:

Activity: The Vidyapeeth is committed to research and innovation that directly contributes to achieving the Sustainable Development Goals. This includes conducting interdisciplinary research on climate change, poverty alleviation, good health for all removal of hunger, and sustainable growth.

Outcome: Generation of cutting-edge knowledge and solutions that can be applied to address global challenges, along with the potential for patents, publications, and technological advancements.

Health data collection and analysis at PHC Alandi

Healthcare Awareness camp and talk on nutrition and development

Capacity Building and Education:

Activity: DPU offers courses, workshops, and training programs related to sustainable development, SDGs, and partnership building.

The institutes under DPU regularly conduct awareness campaigns on a large variety of health, hygiene, and National Government-led initiatives such as Swachh Bharat Abhiyan, and Unnat Bharat Abhiyan and also promote sustainable practices on campus. All students have actively participated in tree-plantation drives, cleanliness drives, and other programmes that add to their overall knowledge and social responsibility.


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By Nk
2022/06/16
11:01

Green Initiatives

Eco-friendly measures have been taken to enhance the use of solar energy (1776KW) to cater to the needs, and use of LED and power-efficient equipment.

DPU has four sewage treatment plants and a vermicompost and biogas plants for the efficient disposal of liquid and solid wastes. Water is recycled and used for gardening purposes.

Biomedical waste generated from the hospitals is disposed of as per government regulations. Proper disposal of e-waste is also ensured.

Green Campus initiatives include restricted entry to automobiles, use of battery-powered vehicles, and landscaping with trees and plants.

DPU is ISO-9001:2008, 9001:2015, ISO-14001:2015, Green Education Campus certified.

TQV

CERTIFICATION OF REGISTRATION

DPU

Dr. D. Y. PATIL VIDYAPEETH, PUNE
(Deemed to be University)

Sant Tukaram Nagar, Pimpri, Pune - 411018, Maharashtra, India.

has been assessed by TQV as conforming to the requirements of TQV Green Education Campus Certification. The following Education Campus are fulfilling the requirements of TQV Green Education Campus Certification.

GREEN EDUCATION CAMPUS

Scope of Registration

For Preventing Pollution, Conserving Natural Resources, and Complying Environmental Regulatory Requirements

Certificate No. : 191010411060
Certificate Date : 11 April 2019
Valid Until : 10 April 2022

GREEN EDUCATION CAMPUS TQV CERTIFIED

DIRECTOR
TQV Certification Services Private Limited.

The Certificate of Registration remains the property of TQV Certification Services Private Limited and shall be returned immediately upon request. for more information (For current validity of the certificate, visit our website : www.tqvcertification.com) This registration is subject to the company maintaining a management system, to the above standard, which will be monitored by TQV Certification Services Pvt. Ltd TQV House, SadhuVaswani Road, Rajkot - 360005, Gujarat, India

Alternate sources of energy:
A massive drive for providing alternative energy resources by way of harvesting solar power was implemented by Vidyapeeth. In all two Mega Watt solar power is by installing solar energy setup to cater to the needs of DPU and the constituent units.
Sewage Treatment Plant (STP) - The Vidyapeeth has four STPs with a total capacity of 1170 m3/day. The treated water is used for recycling purposes. Additionally, Vidyapeeth has an effluent treatment plant (ETP) with a total capacity of 50 m3/day.
Water Purification Plant: A water Purification system is installed to provide purified water at all constituent units of Vidyapeeth.

Taking into account the necessity of protecting the environment for a sustainable, pollution-free, and healthy life on the planet Earth in the coming years, the University has formed its Green Campus Initiatives. This policy is followed strictly and also creates environmental consciousness among the students as well as society in general by organizing various activities within and outside the campus.
The college works towards creating a green, pollution-free and healthy environment with missionary zeal and dedication. The students are given strict instructions to maintain the campus clean and green.
Some of the measures to implement the Green Campus initiatives are:

- Use of LED Bulbs/Tubes and Power Efficient Equipment
- Rainwater Harvesting
- Biogas Plant
- Solid Waste Management
- Laboratory liquid waste management system through percolation system: -
- Hazardous Chemical Waste Management
- Water Management
- E-waste Management
- Observance of Days to Protect and Nurture the Environment
- The Green, Environmental and Energy Audit

Alternate sources of energy and energy conservation measures
at
Dr. D. Y. Patil Biotechnology & Bioinformatics Institute

1. Roof Top Solar Power System at Tathawade campus

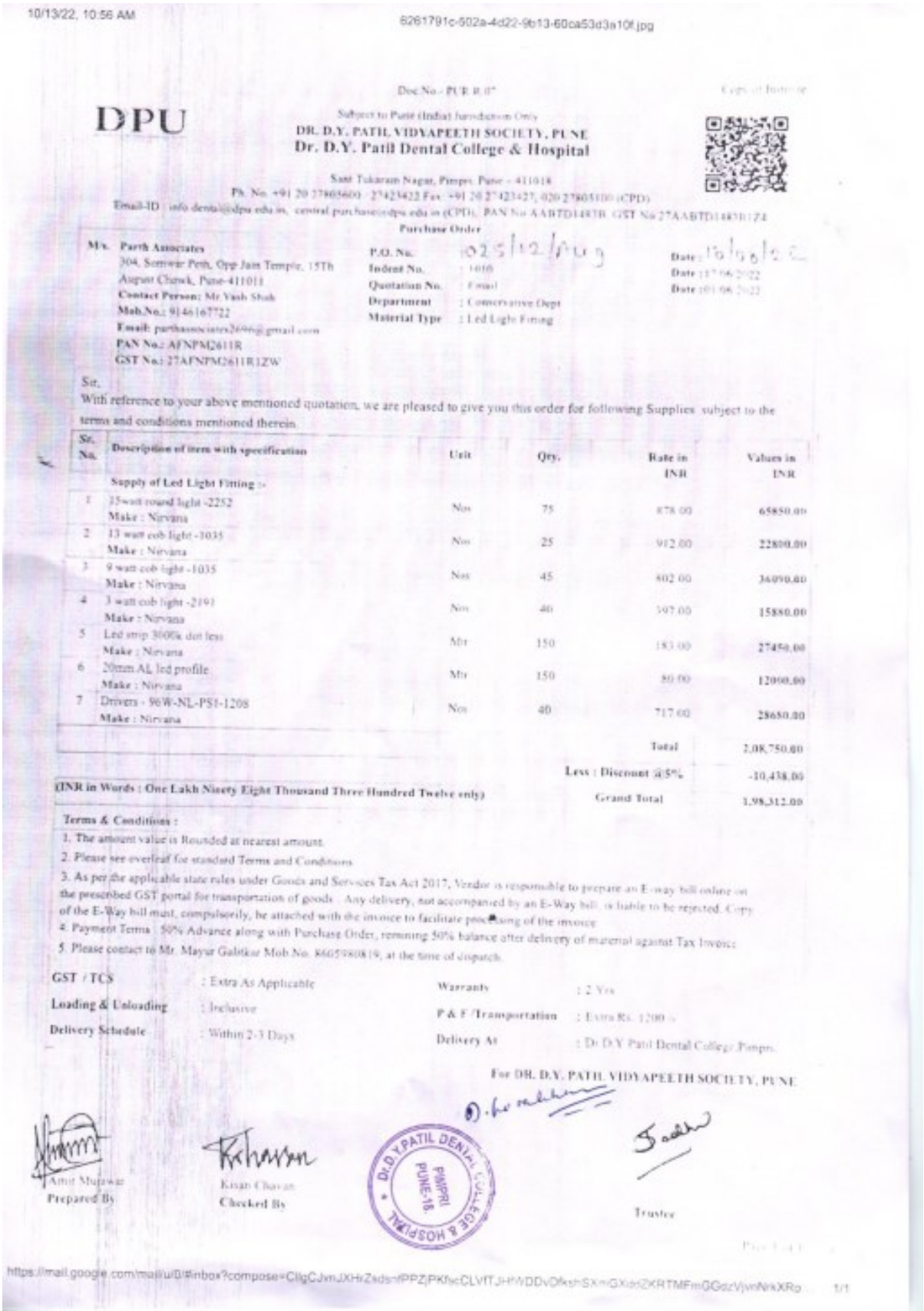
Sr. No	Campus/ Location	Solar System Rating in kW	Total System Rating in kW
1	Tathawade Campus	268.8	318.72
		49.92	

Solar Panel at Tathwade Campus - Parking roof

Geo Tag

SOLAR ENERGY PANELS – MEDICAL COLLEGE

GPS	
Latitude	18; 37; 22.6055000000052075
Longitude	73; 49; 18.8111999999964041
Altitude	527.337



10/13/22, 10:56 AM 8261791c-502a-4d22-9b13-60ca53d3a10f.jpg

Doc No.: PUR.F.07 Copy of Invoice

DPU

Subject to Pune (India) Jurisdiction Only

DR. D.Y. PATIL VIDYAPEETH SOCIETY, PUNE
Dr. D.Y. Patil Dental College & Hospital

Sant Tukaram Nagar, Pimpri, Pune - 411018

Ph. No. +91 20 27605600 / 27423422 Fax: +91 20 27423427, 020 27605100 (CPD)
Email-ID : info.dental@dpu.edu.in, central.purchase@dpu.edu.in (CPD) PAN No AABTD1483B GST No 27AABTD1483B1ZI

Purchase Order

M/s. Parth Associates
304, Somwar Peth, Opp Jain Temple, 15Th August Chowk, Pune-411011
Contact Person: Mr Yash Shah
Mob.No.: 9146167722
Email: parthassociates2690@gmail.com
PAN No.: AFNPM2611R
GST No.: 27AFNPM2611R1ZW

P.O. No. : 025/12/Proj Date : 10/08/22
Indent No. : 1016 Date : 17/06/2022
Quotation No. : Email Date : 09/06/2022
Department : Conservative Dept
Material Type : Led Light Fitting

Sir,
With reference to your above mentioned quotation, we are pleased to give you this order for following Supplies subject to the terms and conditions mentioned therein.

Sr. No.	Description of item with specification	Unit	Qty.	Rate in INR	Values in INR
	Supply of Led Light Fitting :-				
1	25watt round light -2252 **Make :** Nirvana	Nos	75	878.00	65850.00
2	13 watt cob light -3035 **Make :** Nirvana	Nos	25	912.00	22800.00
3	9 watt cob light -1035 **Make :** Nirvana	Nos	45	802.00	36090.00
4	3 watt cob light -2191 **Make :** Nirvana	Nos	40	397.00	15880.00
5	Led strip 3000k dot less **Make :** Nirvana	Mtr	150	183.00	27450.00
6	20mm AL led profile **Make :** Nirvana	Mtr	150	80.00	12000.00
7	Drivers - 96W-NL-PS1-1208 **Make :** Nirvana	Nos	40	717.00	28680.00
				Total	2,08,750.00
				Less : Discount @5%	-10,438.00
	(INR in Words : One Lakh Ninety Eight Thousand Three Hundred Twelve only)			**Grand Total**	1,98,312.00

Terms & Conditions :

1. The amount value is Rounded at nearest amount.
2. Please see overleaf for standard Terms and Conditions.
3. As per the applicable state rules under Goods and Services Tax Act 2017, Vendor is responsible to prepare an E-way bill online on the prescribed GST portal for transportation of goods. Any delivery, not accompanied by an E-Way bill, is liable to be rejected. Copy of the E-Way bill must, compulsorily, be attached with the invoice to facilitate processing of the invoice.
4. Payment Terms : 50% Advance along with Purchase Order, remining 50% balance after delivery of material against Tax Invoice.
5. Please contact to Mr. Mayur Gaikwad Mob No. 8605980819, at the time of dispatch.

GST / TCS	: Extra As Applicable	**Warranty**	: 2 Yrs
Loading & Unloading	: Inclusive	**P & F /Transportation**	: Extra Rs. 1200/-
Delivery Schedule	: Within 2-3 Days	**Delivery At**	: Dr D.Y Patil Dental College Pimpri.

For DR. D.Y. PATIL VIDYAPEETH SOCIETY, PUNE

Amit Mujawar
Prepared By

Kisan Chavan
Checked By

Dr.D.Y.PATIL DENTAL COLLEGE & HOSPITAL PIMPRI PUNE-18.

Trustee

https://mail.google.com/mail/u/0/#inbox?compose=CllgCJvnJXHrZsdsnfPPZjPKfscCLVITJHHVDDvDfkshSXmGXds2KRTMFmGGdzVjvnNnkXRq 1/1

LED Lights in Library

▼ More info:

Last opened: 6 January 2022 at 16:09
Dimensions: 3456 × 4608
Device make: vivo
Device model: V2040
Colour space: RGB
Colour profile: Display P3
Focal length: 5.42 mm
Alpha channel: No
Red-eye: No
Metering mode: Centre-weighted average
F number: f/1.89
Exposure program: Normal
Exposure time: 1/50
Latitude: 18° 36' 52.008" N
Longitude: 73° 44' 58.86" E

Geo Tag

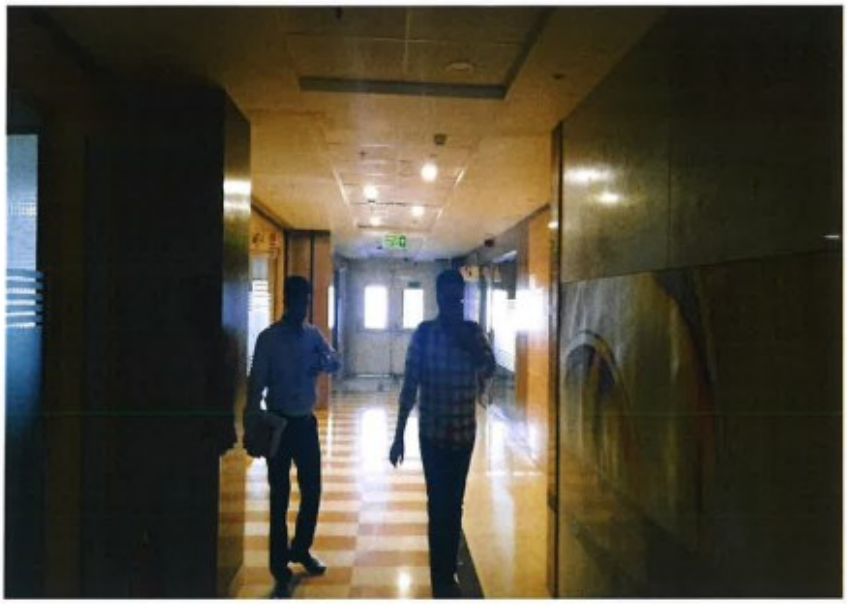
Save electricity boards in classrooms/campus

▼ More info:

Last opened: 6 January 2022 at 16:29
Dimensions: 3456 × 4608
Device make: vivo
Device model: V2040
Colour space: RGB
Colour profile: Display P3
Focal length: 5.42 mm
Alpha channel: No
Red-eye: No
Metering mode: Centre-weighted average
F number: f/1.89
Exposure program: Normal
Exposure time: 1/25
Latitude: 18° 36' 51.906" N
Longitude: 73° 44' 58.95" E

Geo tag

SENSOR BASED ENERGY SYSTEM- HI TECH HOSPITAL BUILDING



GPS

Latitude	18; 37; 24.3202800000000252
Longitude	73; 49; 19.0181999999913387

Landscaping with Trees and Plants

As per the Clean and Green Policy of DPU, the college strives to plant various types of ornamental and medicinal varieties, and wild plant species of trees in large numbers within and outside the campus. Gardeners and full-time adequate support staff have been appointed for the maintenance of gardens and keeping the campus litter-free, clean and Green Campus. The college campus includes a Herbal Garden, which is also used to teach the students from the College of Ayurveda about the various types of medicinal plants.

The tree-plantation drives are undertaken by the NSS and NCC Units of the college and also by the Departments of Community Medicine and Community Dentistry on a regular basis.


DPU
NSS / NCC COMMITTEE
DY Patil Dental College, MIDC, Bhosari, Pimpri-Chinchwad, Maharashtra 411018, India
Pimpri-Chinchwad
Maharashtra
India
2020-01-18(Sat) 02:35(PM)
27°C
81°F
Google

Rainwater harvesting

The college ensures rain-water conservation through rainwater harvesting. The rain water from the roof top outlets is carried through the well connected pipelines to the wells or is collected in the large water harvesting tanks and the overflowing rain-water from these tanks is discharged in the soak-pits for ground water recharge.

Both the soakage wells in the University campus are connected to rooftop rainwater harvesting system and the collected rain-water is discharged to the wells.

The excess of rain water collected in the tank is supplied to the plants in the campus including the Herbal Garden. Excess Water in the Water Harvesting Water Collection Tanks is discharged in the Pit for Groundwater Recharge

BOREWELL AND OPEN WELLS

GPS	
Latitude	18; 37; 27.1272000000026026
Longitude	73; 49; 19.1026999999886

RECYCLED WATER- MEDICAL COLLEGE

GPS

Latitude	18; 38; 0.7939999999994383...
Longitude	73; 48; 5.6149999999907152
Altitude	497.6

RAINWATER HARVESTING

GPS

Latitude	18; 37; 31.2304799999982663
Longitude	73; 49; 29.0452800000204547

GPS

Latitude	18; 37; 31.5861600000062026
Longitude	73; 49; 29.9125190000050623

2. LED lights in campus to save electricity

Apart from the energy from Solar panels, Institutes saves a lot of electricity by giving preference to the use of LED light bulbs wherever possible. Institute has more than 400 LED lights, the details of which are given below. The institute has also placed "Save Electricity" sign board at multiple places which reminds and encourages students and staff to use natural light whenever it is possible.

	LED Lights Fittings Details		
At DYPBBI	18W LED light 4ft,Max Fiting	18W LED light 4ft,ROD	LED light 18W Downlights
	52	361	65

▼ More Info:

Last opened: 6 January 2022 at 16:56
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Device model: V2040
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Alpha channel: No
Red-eye: No
Metering mode: Centre-weighted average
F number: f/1.89
Exposure program: Normal
Exposure time: 0.03
Latitude: 18° 36' 51.942" N
Longitude: 73° 44' 58.872" E

Water Conservation measures

The water for all other purposes is supplied through another set of distribution pipes. The college has two wells with ample water. The ground water from the wells is pumped into the storage tanks / elevated service reservoirs located at different places in the campus. The water is distributed through well-laid pipe network.

Entire distribution system is well supervised by the college administration to ensure that there are no leakages and wastages of water through Leakages in the pipelines and the water-taps etc. Regular cleaning of the water tanks is regulated by the administrative staff of the college.

All the stakeholders of the college are regularly instructed to use water economically and efficiently. Rainwater from the different college buildings is taken to the wells for ground-water recharge. A proper care is also taken to keep the Rooftops cleaned so that unnecessary garbage does not mix with the rainwater leading towards the well. The inlets of these tanks is controlled by the ball-valves to avoid water overflows.

Apart from carrying out Cleanliness Drives, Awareness Campaigns, the College NSS volunteers also build Earthen Nala Bunds (ENB) for groundwater recharge in the adopted villages during the NSS Special Camps.
As a healthcare organization we support 'Save Water Campaign' and practice Rainwater Harvesting. The campus landscaping enables the free-flow of rain water to the water body to avoid water logging. This helps in elevating the groundwater level and inflow of rainwater to the natural water reserves. The collected rainwater is used for irrigating herbal garden.

Biomedical Waste Solid Waste Management

Solid Waste Management – The institution has an efficient system of collecting solid waste. The waste is collected in closed bins and later on collected by concerned personnel to be handed over to the Municipal Authorities in closed Garbage Bags

Liquid Waste Management – Liquid Waste is disposed of in central Sewage treatment Facility.

Bio-medical Waste Management –As a NABH accredited Institute, our standard operating protocols are in place for Biomedical waste disposal. We have a tie-up with PASSCO for the same. The Institute adheres to statutory provisions with regard to Waste management policy implemented in accordance with the rules of the Biomedical Waste Management Act. The hospital has got the consent to operate under Pollution Control Board. The Hospital adopts color-coded segregation of biomedical waste at source in all patient care areas, monitored by HIC team on daily basis. Segregated bio-medical waste is stored and transported to the central waste collection area of the hospital correctly.

E-waste Management - E-waste is collected and disposed in a proper way by handing over to proper authorities.

Hazardous chemicals and radioactive waste management – is done as per NABH protocols.

QMS-ISO-9001:2015
EMS-ISO-14001:2015
Reg. No. RI91/8395

PASSCO

Certificate

Division: PCMC Registered

Date : 27-07-2020

This is to certify that **DR. D. Y. PATIL DENTAL COLLEGE(A00030)** is registered with us for Scientific Disposal of BMW generated at their Health Care Establishment from 01-04-2019 to 31-03-2022

Registration No : A00030

PESPL Code	Name & Address of Occupier	Category	No. Of Beds
DT000006	DR. D. GOPALAKRISHNAN DT000006-DR. D. Y. PATIL DENTAL COLLEGE(A00030) MAHESH NAGAR, PIMPRI, PUNE -411018	Dental Clinic	0

As per The Biomedical Waste Management Rules, 2016 and MPCB norms, proper segregation & disposal of the same by delivering the waste to the CBWTF vehicle at designated point is the responsibility of individual generatior.

Compliance as per MPCB rules as under be ensured from your end :-

1	Proper Segregation and Handling over the waste to us.
2	Waste sharps, needles, metals as per schedule I(Category White) of Biomedical Waste Management Rules 2016, to be handed in puncture-proof, leak-proof, tamper-proof container with white barcode.
3	Glass material and metallic body implants after disinfection by soaking washed glassware after cleaning with detergent and Sodium Hypochlorite treatment or through autoclaving or microwaving or hydroclaving as per schdule I Category (a) & (b) Blue of Biomedical Waste Management Rules,2016 to be handed over in cardboard box with blue barcode.
4	Ensure Delivery of biomedical waste in Red bag,Yellow bag and white barcode container ,blue barcode box to collection vehicle.
5	No untreated bio-medical waste should be kept stored a period of 48 hours.

We hereby certify that the Bio Medical Waste received at our end is disposed off as per the norms laid down by MPCB from time to time

For Passco Environmental Solutions Pvt. Ltd.

Authorized Signatory

PASSCO ENVIRONMENTAL SOLUTIONS PVT. LTD. PIMPRI, PUNE-18

PASSCO ENVIRONMENTAL SOLUTIONS PVT. LTD.

Operator Common Bio-Medical Waste Treatment Facility for P.M.C./P.C.M.C. Area

Regd. Office : "Narayani" 34/4 Erandawane, Behind Eisen Pharmaceuticals, Pune-411 004. India. **Telefax** : +91 20-6602 4765, 2546 7096
P.M.C. Site Office : Kailash Crematorium Compound, Next to Naidu Hospital, Pune - 411 001.
P.C.M.C. Site Office : S. No. 172, 173, 174, Y.C.M. Hospital, Ground Floor, Sant Tukaram Nagar, Pimpri-411 018. **Tel.** : +91 20 2742 0395, 6733 2149
• **Email** : helpdesk@passco.in • **Website** : www.passco.in
CIN : U33129PN2005PTC020340

BIOGAS PLANT- MEDICAL COLLEGE

GPS

Latitude	18; 37; 26.4143000000038342
Longitude	73; 49; 22.0223000000115121
Altitude	511.287

STP PLANT – MEDICAL COLLEGE

GPS

Latitude	18; 37; 20.9639000000025533
Longitude	73; 49; 19.1638999999850057
Altitude	523.918

STP PLANT - HOMOEOPATHY COLLEGE

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Longitude	73; 49; 29.4099999999744...
Altitude	573.01654601861424

Attested Copy

WTP PLANT – MEDICAL HOSPITAL

GPS

Latitude	18; 37; 27.1272000000026026
Longitude	73; 49; 19.1026999999886