

GREEN AUDIT REPORT

2020-2021

Shri Shivaji Education Society's

Dhanwate National College, Nagpur

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01 The Team

The team of Green Audit Committee consists of **Dr. Kulbhushan Meghe, Incharge**, ably supported by Beautification and Environmental Awareness Committee. The Beautification and Environmental Awareness Committee is as below:

<i>Dr. K.P. Deshmukh</i>	<i>Convenor</i>
<i>Mr. Sanjay Deshmukh</i>	<i>Registrar</i>
<i>Dr. D.C. Wankhade</i>	<i>Member</i>
<i>Dr. B.V. Khapekar</i>	<i>Member</i>
<i>Dr. J.V. Khadse</i>	<i>Member</i>
<i>Dr. S.M. Jiwankar</i>	<i>Member</i>
<i>Dr. S.S. Dadhe</i>	<i>Member</i>
<i>Dr. K.H. Dhote</i>	<i>Member</i>
<i>Dr. Muktai Deb</i>	<i>Member</i>
<i>Mr. K.S. Lende</i>	<i>Member</i>

The **Editor-in-Chief** of the Green Audit Committee is **Dr. R.D. Bhelkar** who is also the IQAC Coordinator of the institution who works along with the **Principal Dr. S.R. Jichkar** towards successful planning and implementation of various programmes under Green Audit Committee.

02 Introduction

Green initiatives are of seminal importance for environmental conservation and its sustenance. Some of the green practices implemented at Dhanwate National College, Nagpur are;

- Use of Solar Energy
- Use of LED Bulbs
- E-Waste Management
- Rainwater Harvesting
- Solid Waste Management
- Maintaining Green Campus through Plantations etc.

The core objective of the Green Audit Committee is to develop and conserve green initiatives in the institutional campus. The supportive committee has the motto to maintain the aesthetic sense; to create environmental awareness; to implement cleanliness and execute plantation and greenery in the campus. The institute also promotes less paper office along with plastic-free campus. Green initiatives are necessary to minimise environmental pollution and to reduce the overall carbon-footprint of the institution. Some of the other programmes implemented by the institution towards green initiatives include;

- Bicycles Institution students and staff use bicycles regularly.
- Public Transport Our Institution Students are coming from various rural places depends on public transport. Our Institution Staff also uses Public Transport because they are from remote places.
- Pedestrian Friendly Roads : Both students and teachers use pedestrian roads periodically.
- Plastic free campus: The utilization of plastic bags is strictly avoided in the campus and whole campus “No Plastic Zone”. Staff is also motivated to utilize jute bags or cotton bags. Paperless office. The office of our Institution is partially paperless. Green landscaping with trees and plants.
- The institution has a system for green-auditing of its facilities which is carried out informally by the NSS and Nature Club. The students and staff have planted several tree saplings during various tree plantation programmes organized by the institution through the NSS wing and all these trees are taken care of and maintained by the gardeners of the institution.
- Care is taken to ensure that the college environment has low levels of carbon emission and low pollution levels so that the campus is healthy for all.
- Less Paper Office: E-mail for information, alert SMS to students, whats app groups under heading Dhanwate

National College to disseminate all information & notices on Whats-up.

- o Green Landscaping with Trees and Plants: The MoU is signed by Center for Animal Rescue Study (CARS) and Dhanwate National College. The objective of MoU is to develop environmental awareness amongst students and inculcate attitude for conservation of nature and animals and love for nature and organise programme with Green Vigil (NGO). Koustubh Chaterjee, President, Green Vigil addressed on 'Conservation, Plantation of Trees and Nature'.

03 Maps



(Main Campus, Dhanwate National College)



(Vasant Nagar Playground of Dhanwate National College)

04 Plantations & Rain-water Harvesting

Plantation process is boosted-up by NSS, NCC activities. Beautification and environmental awareness committee is also involved in green initiatives in Dhanwate National College, main campus area is spacious and the large part is lush-green.

In the main campus there are 59 shrubs, 66 sprawling trees and 13 angiosperms i.e. flower bearing plants.

At Vasant Nagar campus which is the playground; surrounded by 27 trees with rustling leaves which minimises environmental pollution so as to breath fresh air.

The institution does not have formal **Rainwater Harvesting** system, but all the rooftop water flows to ground level through pipes. This leads to keeping the general water level in the campus higher than normal which is reflected in availability of water in the well in the campus throughout the year.

The campus has gone ahead with soak-pits in order to conserve rainwater. The non-teaching staff handling water tanks has been given periodic knowledge about conserving water The institution



also spread awareness on rainwater harvesting through various programs such as; Water Conservation Rallies and Lectures on Water Conservation Themes

05 Energy Management

Solar Capacity

- Besides Green campus, tree plantation, the institution has installed Solar Plant with 40.96 KWP to save electricity and tap natural source of energy and the power requirement met by solar energy is 79.37%.
- Solar Plant - 40 KW installed in the institution to curb electricity bill and tap natural energy sources.is available in the institution.
- Solar plant with 40 KW is operative to utilize natural energy sources and the generated electric energy is utilized in the college campus, and also monitored by the staff of college.
- Solar Plant with 40.96 KW is installed to save electricity, and tap natural energy source.



LED Bulbs

The use of electric power by tube-lights, CFL bulbs is more expensive and hence LED Bulbs are used in the institutional campus to minimise the expenses towards electricity.

The use of LED bulbs is green initiative wherein the % of LED bulbs used is 19.2 KW (60%). The percentage of lighting through other sources is 12.8 KW (40%).

GREEN AUDIT REPORT: 2017-18

EDITED BY

DR. RATNAKAR BHELKAR, NAAC COORDINATOR &

DR. KULBHUSHAN MEGHE, NAAC CRITERIA INCHARGE VII

PUBLISHER: PRINCIPAL, DHANWATE NATIONAL COLLEGE, NAGPUR

06 Waste Management

Solid Waste Management

The college generally does not generate any hazardous waste in any manner. However, the college strives to generate minimal waste and tries to reduce the use of plastics whenever possible. Some of the better practice adopted by the institution in the area of solid waste management are: Processed solid waste is used for plants as manure . Two pits behind the Women Hostel of college are installed. Waste from hostels and canteen is further utilised. Waste is segregated as biodegradable and non-biodegradable. The college has built a solid waste disposal bin near the wash rooms. This solid waste is collected by the Municipal Corporation every alternate day and is then disposed off. Use of pesticides and other harmful chemicals in the garden is replaced by adopting organic methods of gardening wherever possible. Mild chemicals are used for cleaning and maintaining the campus.

Liquid Waste Management

Special care has been taken to keep all the urinals and toilets in the institution clean and monitoring the leakages along with management of exit points.

Some of the other measures in the area of liquid waste management are: The pipelines from roofs towards rainwater drains are periodically checked for sediments Mild chemicals are used to keep the drains to keep the environment infection free Canteen food waste is semi-solid in nature and managed especially while washing dishes.

E-Waste Management

With the fast development of electronic technology, different electronic equipment's / gadgets become obsolete.

In order to reduce the volume of e-waste generation, we have adopted 'buy back system' in which we return out-dated systems back to the company from where they were purchased.

We donate systems of older configuration to our poor students. Some of the systems in good condition are upgraded and repaired.

For collecting e-waste; counter is opened. The collected e-waste is handed over to M/s. Suritek, Butibori, Nagpur for further process.

The e-waste generated in our institution is directly given to e-waste management agencies. However, currently, college does not face severe problem of e-waste management as the collection is low. The institution is striving to build further awareness in the area of e-waste among our students.

07 Conclusion

The Green Audit Report is inclusive of the following three main components;

- Plantations and Rain-Water Harvesting
- Energy Management and
- Waste Management

The report starts with general initiatives taken up by the institution apart from the three main components explained above. The report further explains the team composition which includes editor / in-charge, committee, editor-in-chief and the Principal.

Maps have been provided in real-time from Google Earth showing the general greenery in the campus. The three main components are then elaborated in the report. The first component is about plantation observations along with the rain-water harvesting mechanism implemented in the institution. The second component of energy management includes solar capacity along with implementing LED bulbs in the institution. The third and last component on waste management includes observations on solid waste management, liquid waste management and managing electronic waste in the institution.



Dr. S.R. Jichkar
Principal
Dhanwate National College
Nagpur

Annexure

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LIMITED
OFFICE OF THE EXECUTIVE ENGINEER
CONGRESS NAGAR DIVISION
 NEAR PANDHARIPUR VASTALI, DHANVATE
 NAGPUR - 440012 020 2402612/222401

MHA
 MHE/996/7801

No. EF/CNDN/Tech
To,
The Principal,
Dhanvate National college,
Congress Nagar Dhanvate,
Nagpur-440012.

58/6 OFFICE OF THE PRINCIPAL Date: 27-10-17
 DHANVATE NATIONAL COLLEGE,
 INWARD NO 724/20/218
 DATE 02/11/2017

Subj:- Revised sanction for connecting the solar PV projects/systems for load 32 KW on Rooftop or any Mounting structure in R/o your premises to the Distribution network of MSEDCL.

- Ref - 1. MERC (Net Metering for Roof-top Solar Photo Voltaic Systems) Regulations, 2015
 2. MSEDCL, Commercial Circular No. 258.
 3. Your Application dated -30.03.2017
 4. Feasibility Report from -Addl Ex. Engr. Regent S/Dn, vide No.556 dt 26.04.2017
 5. Registration Fees Rs. 1000 - paid (on line) vide M.R. No. 3091593261371080 dtd.-18.04.2017

Dear Sir,

In exercise of the powers delegated as per the Commercial Circular No. 258 dated 25/01/2016 the undersigned is pleased to revised sanction your application for connecting the solar PV projects/systems on Rooftop or any mounting structure in your premises to the Distribution network of MSEDCL to your unit at above address is sanctioned Vide No. EF/CNDN/Tech/LS-Solar Roof Top(CI)/30 dated 27.10.2017.

Consumer No.	Voltage Level	Sanctioned Connected load KW	Proposed AC capacity of Roof-top Solar PV System to be installed	Purpose
419996363253	415 Volt	40 KW	32 KW	Commercial

4) VALIDITY

The validity of this sanction letter is for a period of **six months** from the date of issue.

You will have submit the work completion report, along with relevant details (such as technical specifications, test reports received from manufacturer / system provider, etc.), with a request to the Distribution Licensee for the testing and commissioning of the Roof-top Solar PV System within the period of validity.

MSEDCL reserves the right to revalidate the sanction subject to the conditions prevailing at the time of revalidation.

5) VOLTAGE LEVEL

The Net metering will be connected at **415 Voltage level**.

3) DOCUMENTS

ATTESTED
 Principal
 Dhanvate National College
 Nagpur

AE 130-3511 Dt- 30/10/17
 12/11/17
 Principal

ShriShivaji Education Society, Amravati's
Dhanwate National College, Nagpur

The Institute got Bronze Medel in Spit Free India Drive Activity Carried out by Dr. R. N. Gosavi incharge of NSS Unit.



Vinod Hazare and Yash Kamble NSS Voulenteers got Leadership Award



Dr. S.R. Jichkar
Principal
Dhanwate National College
Nagpur



धनवटे नॅशनल कॉलेजची उत्कृष्ट कामगिरी

'थुंकी मुक्त भारत' ही मोहिमेत दुसऱ्या स्थानी

नागपूर, ता. २१ : संबंध फाउंडेशन व राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठाच्या राष्ट्रीय सेवा योजना विभागाच्या संयुक्त विद्यमाने २०२० ते २०२१ या एक वर्षाच्या कालावधीत पूर्ण भारत देशात 'थुंकी मुक्त भारत' ही मोहिम राबविण्यात आली. या मोहिमेत धनवटे नॅशनल कॉलेजच्या चमूने उत्कृष्ट कामगिरी केल्याबद्दल त्यांना ब्राँझ मेडल व प्रमाणपत्र देण्यात आले.

अभियानात डॉ. राजकुमारगिरी गोसावी (प्रोग्राम ऑफिसर), विनोद हजार (टोबॅको कंट्रोल लीडर)

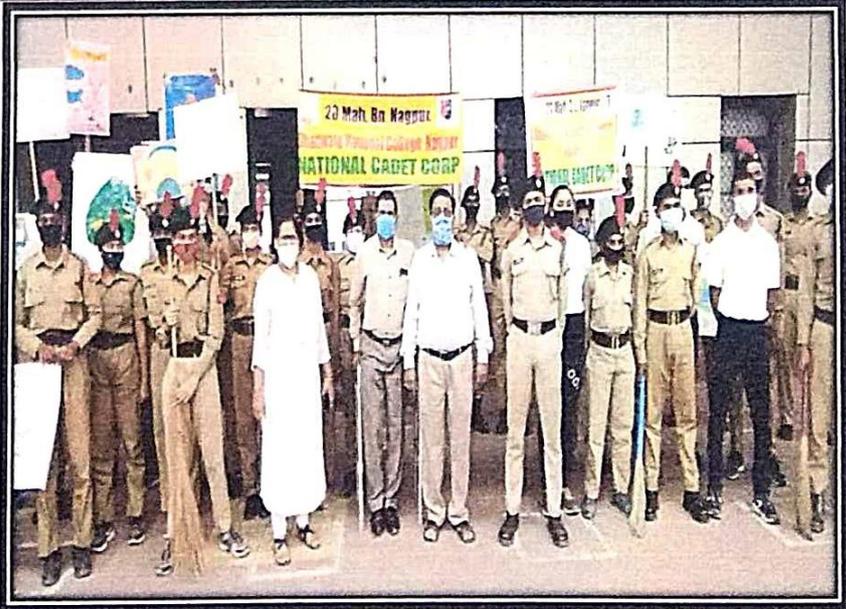
आणि यश कांबळे (सोशल मीडिया लीडर) यांना सन्मानित करण्यात आले. आपल्या देशाला थुंकी मुक्त करण्यासाठी सोशल मीडिया द्वारे विविध प्रकारचे पोस्टर्स व व्हिडिओज बनवून देशातील जनतेला आव्हान करण्यात आले होते.

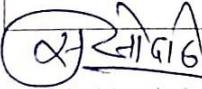
यावेळी प्राचार्य डॉ. सुरेंद्र जिचकार, राष्ट्रीय सेवा योजना चे कार्यक्रम अधिकारी डॉ. राजकुमार गोसावी, आयक्योएससीचे समन्वयक डॉ रत्नाकर भेलकर, डॉ. मेघे यांच्यातर्फे विजेत्यांचे कौतूक करण्यात आले.

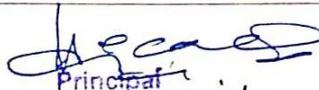


नागपूर : विजेत्या विद्यार्थ्यांसोबत महाविद्यालयाचे प्राचार्य डॉ. सुरेंद्र जिचकार आणि डॉ. राजकुमार गोसावी, डॉ. रत्नाकर भेलकर, डॉ. मेघे.

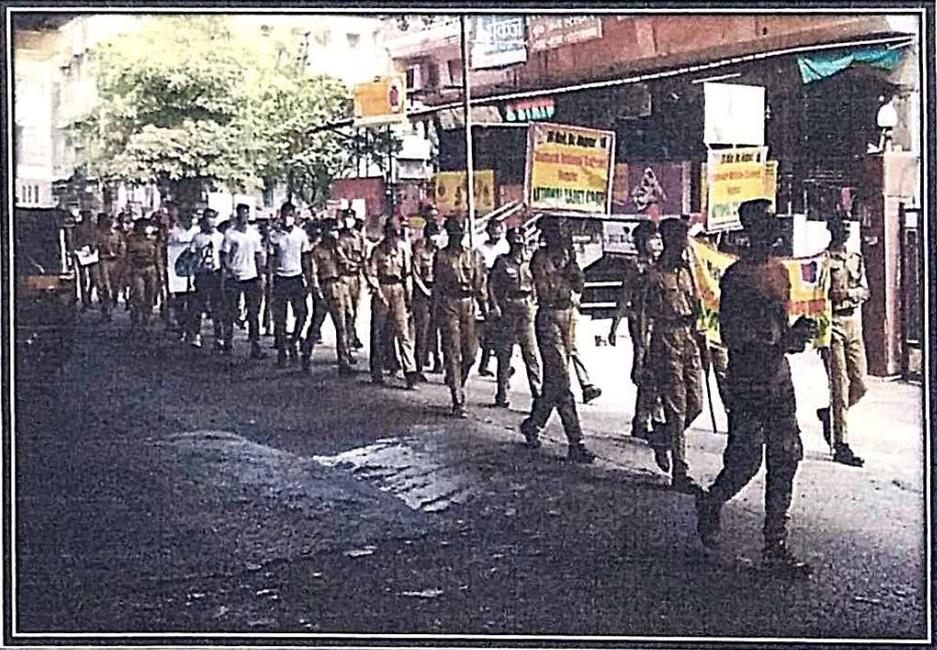
ACTIVITY REPORT

ACADEMIC YEAR	2020-21
NAME OF THE ACTIVITY	Organize Cleanness Drive at Rly Station
DATE OF THE ACTIVITY	During Lockdown period 14 th Dec. 2020
ORGANIZED BY	Lt. Dr. Subhash S. Dadhe, NCC Unit, DNC Nagpur.
OBJECTIVE	Organized Cleanness Drive at Ajani Rly Station,
BRIEF REPORT	On 14 th December 2020 Unit has organized Cleanness Drive at Ajani Rly Station, and Station was cleaned by cadets. Station master was present. Lt. Dr. Subhash Dadhe, Prof. S.S. Gaharwar, Dr. Vandana Ingale and 15 Girls Cadets and 20 Boys Cadets have Participated in this Programme. Ms Madhuri Choudhari Station Master with also present
OUTCOME	The message was spread to the society successfully. Sanitation and neatness play an important role in our day to day routine. It is important as it prevents dangerous diseases like Dengue, typhoid, hepatitis, and other diseases caused by mosquito bite, etc.
PHOTOGRAPHS NEWS Paper cutting of the cover	


 Lt. Dr. Subhash S. Dadhe
 A.W.O.
 Dhanwate National College,
 Nagpur.


 Principal
 Dhanwate National College
 Nagpur.

ACTIVITY REPORT

ACADEMIC YEAR	2020-21
NAME OF THE ACTIVITY	Organized Rally For Cleanness Drive
DATE OF THE ACTIVITY	During Lockdown period 14 th Dec. 2020
ORGANIZED BY	NCC Unit, DNC Nagpur.
OBJECTIVE	To aware the importance of cleanness among the people and society
BRIEF REPORT	NCC Unit has organized cleanliness drive rally on 14th December 2020 the objective of this activities to send the message of public and aware the importance of cleanness of surrounding area. In this programme Principal Dr. Surendra Jichakar, Lt. Subhash Dadhe, Dr. Vandana Ingale, Ms. L.M. Deshmukh, Prof. S.S. Gaharwar, P.I. Staff of Unit, along with 80 NCC Cadets and Student were Present.
OUTCOME	The 'Cleanliness Drive' promote the values of cleanliness, discipline and respect for the environment in the cadets and educate and sensitize them about the importance of cleanliness for a healthy, socially responsible, economically dynamic and progressive nation.
PHOTOGRAPHS NEWS Paper cutting of the cover	


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