

7.1.3: Green audit environmental audit report from recognized bodies.

Response:

S. No	Audits	
1	Green Audit	
2	Energy Audit	
3	Environment Audit	

Resource depletion and increasing environmental pollution, combined with catastrophic climate change, are having a serious impact on the planet. Scientists, activists, and ordinary people call for the need to maintain a green environment and protect the planet. It's time to take care of the environment. Environmental experts point out potential dangers that could occur if precautions are not taken.

SNVMV is committed to provide a healthy, fresh, aesthetic, professional ambiance to our students and staff. We are united as college to reduce the environmental impact and minimize our carbon foot print potential. The initiative like conventional sources of energies for its daily power needs, correct disposal handling, effective water and paper recycling methods.

Sarojini Naidu Vanita Maha Vidyalaya

Exhibition Grounds, Hyderabad-500 001

Green Audit

Green Audit Report 2020-21



SAROJINI NAIDU VANITA MAHA VIDYAL

COLLEGE FOR WOMEN, AFFILIATED TO OSMANIA UNIVERSITY (Sponsored and Managed Jointly by Osmania Graduates' Association and Exhibition Society)

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Ref. No. SNVMV /

Date: 19/8/2020

Green Audit Report 2020-21

Sarojini Naidu Vanita Maha Vidyalaya is a premier educational institution in the state of Telangana. It is one of the leading colleges in the Southern states of India. Sarojini Naidu Vanita Maha Vidyalaya was established in 1962 by the Osmania Graduates Association. The institute has its own buildings set in a serene, peaceful 4 acre campus surrounded by

The Green Audit of an institution is of a paramount importance these days for selfassessment of the institute, which reflects the role of the institute in mitigating the negative impacts of carbon emission. The Green Audit has been conducted internally.

The institute has been putting efforts to reduce the emission from electricity consumption by replacing conventional lights to LED, star rated equipment and instruments and by installing solar electricity generation. The purpose of the green audit is to identify, quantify, describe and prioritize framework of environment sustainability and upgrade the environment condition in and around the institute. It is carried out with the aid of performing tasks like water management, green campus management, waste management, energy saving, carbon footprint and others to turn into a better environmental friendly institute.



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ISO certificate for implementation of Greenery and Environmental Promotion activities for 2022-2023



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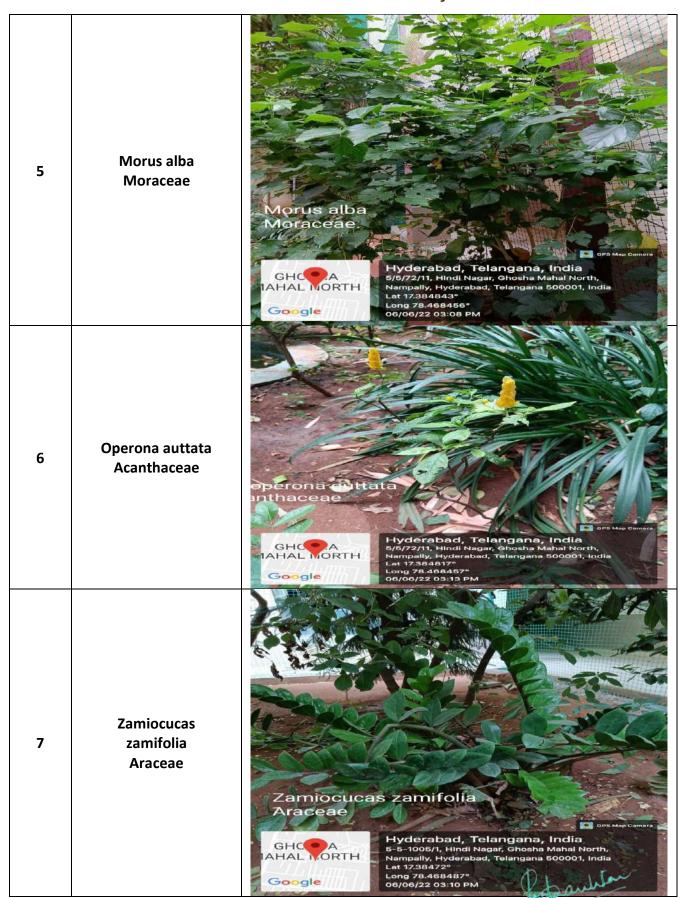
Gardening

S. No	Name	Photographs
1	Morus alba Moraceae	Morus alba Moraceae Hyderabad, Telangara, India Listana Janasa
2	Mussaenda hirsutissima Rubiaceae	Messaenda hirsutissims Rubiaceae Hyderabad, Telangana, India s 5 1008, Hindi Nagar, Ghosha Mahal North, Nampally, Hyderabad, Telangana Socool, India Long 27 4 406 3888 00/08/22 03:19 PM
3	Rauvolfia tetraphylla Apocynaceae	Rauvolfia tetraphylla Apocynaceae. Hyderabad, Telangana, India 5-5-1005/1, Hindi Nagar, Ghosha Mahai North, Nampaliy, Hyderabad, Telangana 500001, India Lat 1/238479° Long 78.468541° 06/06/22 03:15 PM
4	Plumeria alba Apocynaceae	Plumeria alba Apocynaceae Plumeria alba Apocynaceae Riversbard, Telangana, India State Maria Harris State



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8	Tecoma sp Bignoniaceae	Google Geogle OPS Map Camera Hyderabad, Telangana, India S/5/72/11, Hind Nagar, Ghoaha Mahal North, Nampally, Hyderabad, Telangana 500001, India Lat 12.384878 Long 78.48848BBO 06/06/22 03:07 PM
9	Cinnamomum tamala Lauraceae	Cinnamomum tamala Lauraceae . GHC A IAHAL MORTH Nempelly, Hyderabad, Telangana, India 5-5-1005/1, Hireti Nagar, Ghosha Mehal North, Nempelly, Hyderabad, Telangana 500001, India Lat 17:384744* Long 78:4884949 06/08/22 03:17 PM
10	Amaryllis sp Amaryllidaceae	GOOGLE TO DES MAR CAMOUR Hyderabad, Telangana, India 5/5/72/11, Hindi Nagar, Ghosha Mahal North, Nampally, Hyderabad, Telangana 500001, India Lat 17:3848448 Long 78:488388° 06/06/22 03:13 PM

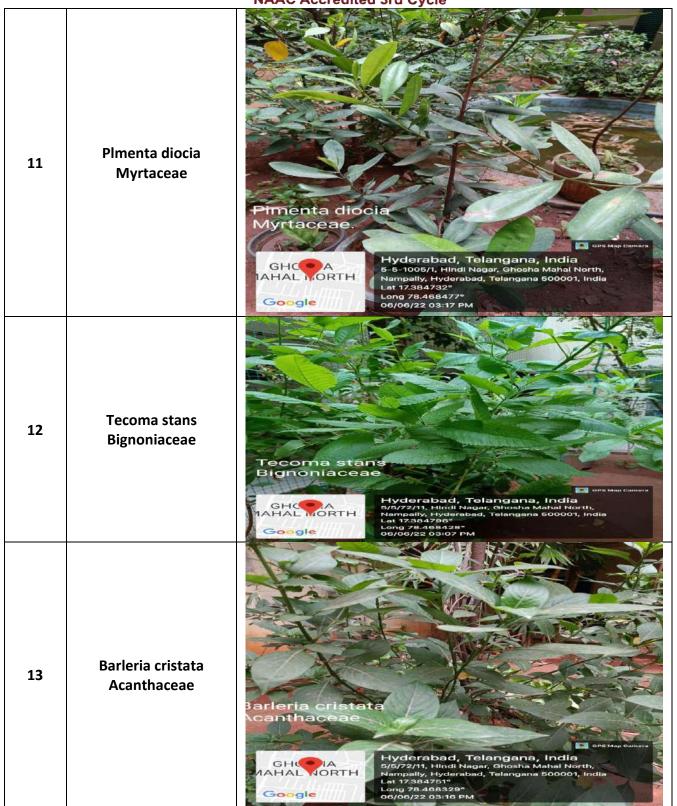
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SAROJINI NAIDU VANITA MAHA VIDYALAYA

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		NAAO ACCIEUILEU SIU OYCIE
14	Codium variegatum Euphorbiaceae	odium variegatum uphorbiaceae Hyderabad, Telangana, India 5-5-1006, Hindi Nagar, Ghosha Mahal North, Nampally, Hyderabad, Telangana 500001, India Lat 17.384408* Coogle ORS Map Camera AHAL ORTH Lat 17.384408* OB/06/22 03:21 PM
15	Mussaenda sp Rubiaceae	Mussaenda sp/ Rubiaceae Hyderabad, Telangana, India 5-5-1005/1, Hindi Nagar, Ghosha Mahal North, Nampally, Hyderabad, Telangana 500001, India Lat 17.384722° Long 78.468483° 06/06/22 03:18 PM
16	Araucaria sp Araucariaceae	Araucaria sp. Araucariaceae Hyderabad, Telangana, India 5-5-1005/1, Hındi Nagar, Ghosha Mahal North, Nampaliy, Hyderabad, Telangana 500001, India Lat 17:384762* Long 78:488466* 06/06/22 03:09 PM

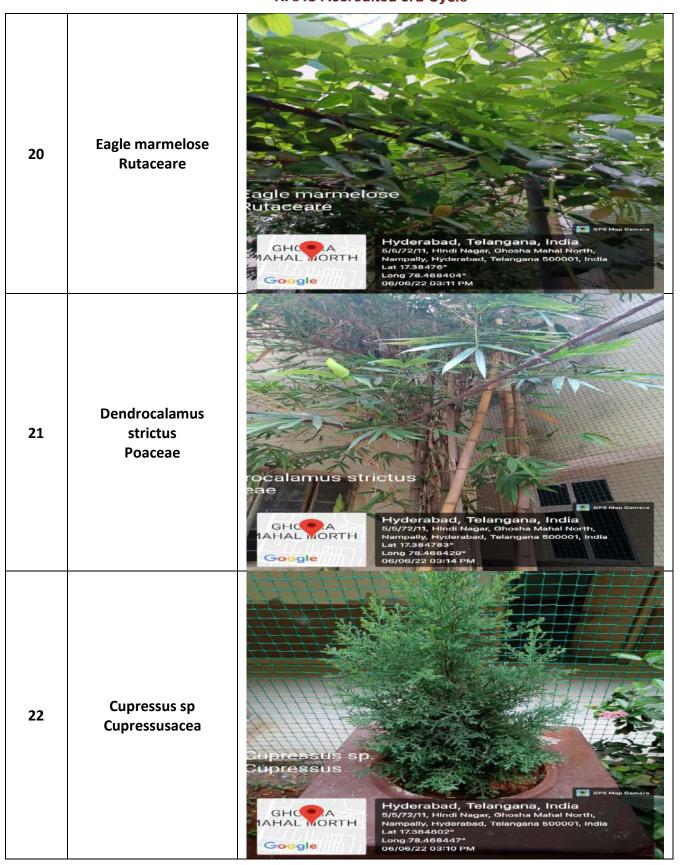


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17	Piper beatle Piperaceae	Piper beatle Piperaceae Hyderabad, Telangana, India 5-5-1005/1, Hindi Nagar, Ghosha Mahal North, Nampally, Hyderabad, Telangana 500001, India Lat 17.384781° 06/06/22 03:12 PM
18	Thunbergia mysorensis Acanthaceae	Unbergia mysorensis anthaceae Hyderabad, Telangana, India 5-5-1005/1, Hindi Nagar, Ghosha Mahal North, Nampelly, Hyderabad, Telangana 500001, India Lat 17.384/265* Long 78.46848* 06/06/22 03:00 PM
19	Cassia pulcherrima Caesalpiniaceae	Cassia pulcherrima Caesalpiniacea Gesalpiniacea Hyderabad, Telangana, India 5-5-1005/1, Hindi Nagar, Ghosha Mahal North, Nampally, Hyderabad, Telangana 500001, India Lat 17,3847349 Long 78,4684544 06/06/22 03:09 PM

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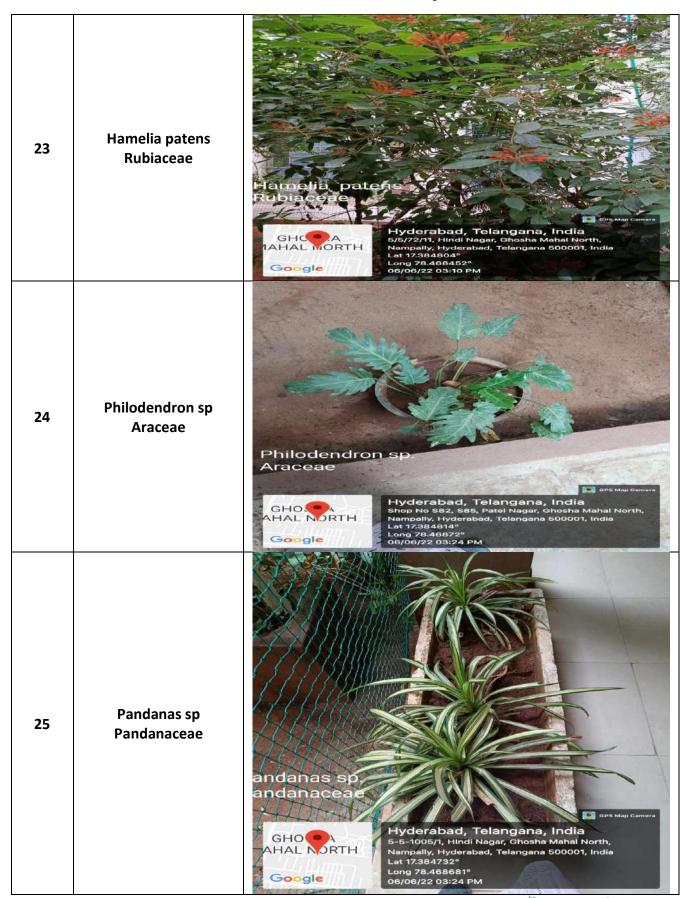




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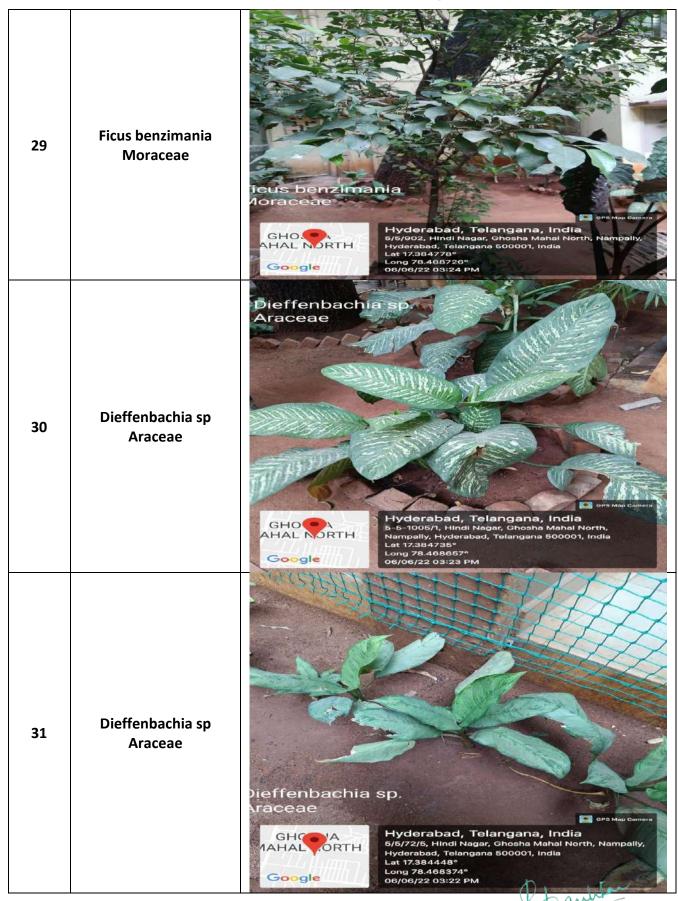
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26	Emblica officinalis Euphorbiaceae	Emblica officinalis Euphorbiaceae Buphorbiaceae GHCA A JAHAL MORTH Coogle Hyderabad, Telangana, India 5/5/72/11, Hindi Nagar, Ghosha Mahal North, Nampally, Hyderabad, Telangana 500001, India Lat 17.38402-20 06/76/722 03:07 PM		
27	Vitis vinifera Vitaceae	Vitis vinifera Vitaceae Hyderabad, Telangana, India 5-5-1006/1, Hindi Nagar, Ghosha Mahal North, Nampelly, Hyderabad, Telangana 500001, India Lat 17.3847477 Long 78.468623* On/On/22 03:10 PM		
28	Syzygium cumin Myrtaceae	Byzygium cumin Ayrtaceae Hyderabad, Telangana, India 5-5-1005, Hindi Nagar, Ghosha Mahal North, Nampally, Hyderabad, Telangana 500001, India Lat 17.384411 Long 78.468556* 06/06/22 03:22 PM		



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		NAAC Accredited 3rd Cycle
32	Phoenix dactylifera Arecaceae	Hyderabad, Telangana, India 5-5-100e, Hindi Nagar, Ghosha Mahal North, Nampally, Hyderabad, Telangana 500001, India Lat 17:384718* Long 78:468383° 06/06/22 03:19 PM
33	Dracaena marginata Liliaceae	Caena marginala aceae GHO A Hyderabad, Telangana, India 5 5-1005, Hirdi Nauar, Ghosha Mahal North, Hampally, Hyderabad, Telangana 500001, India List 17:3834002 Liona 78:483886 DB/D00/22 03:21 PM
34	Colacassia sp Araceae	Colaeassia sp. Araoéae GHCIA Hyderabad, Telangana, India 5-5-1003/1, Hindi Nagar, Ghosha Mahal North, Nampally, Hyderabad, Telangana 500001, India Lat 17.384488° Long 78.468331° 06/06/22 03:22 PM



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35	Musa sapientum Musaceae	Musa sapientum Musa ceace GHC IA JAHAL ORTH Hyderabad, Telangana, India 5/5/72/5, Hindi Nagar, Ghosha Mahai North, Nampally, Hyderabad, Telangana 500001, India Let 17.384448° Long 78.468374° 06/06/22 03:22 PM
36	Crinum asiaticum Amaryllidaceae	GHO A AHAL NORTH Hyderabad, Telangana, India 5-5-1005/1, Hindi Nagar, Ghosha Mahal North, Nampally, Hyderabad, Telangana 500001, India Lat 17.384794* Long 78.468637* 08/08/22 03:23 PM
37	Heliconia rostrata Musaceae	Hyderabad, Telangana, India 5-5-1005/1, Hindi Nagar, Ohosha Mahai North, Nampally, Hyderabad, Telangana 500001, India Lat 17384581° Long 78.468592° 06/06/22 03:23 PM

38	Chrysalidocarpus var.leutescens Areceae	Hyderabad, Telangana, India S-5-1005/1, Hindi Nagar, Ghosha Mahal North, Nampelly, Hyderabad, Telangana 500001, India Lat 17:384842° Long 78:488648° 08/08/22 03:23 PM
39	Ixora coccinia Rubiaceae	Ixora egecinia Rubiaceae GHCA Hyderabad, Telangana, India 5-5-1006, Hindi Nagar, Ghosha Mahal North, Nampally, Hyderabad, Telangana 500001, India Lat 17:38471° Long 78:468398° 06/06/22 03:19 PM
40	Colacassia esculenta Araceae	Colacassia e scutenta Araceae. GHOAAHAL ORTH Hyderabad, Telangana, India 5-5-1005, Hindi Nagar, Ghosha Mahal North, Nampally, Hyderabad, Telangana 500001, India Lat 17-384400a Long 78,468558a 06/06/22 03:21 PM

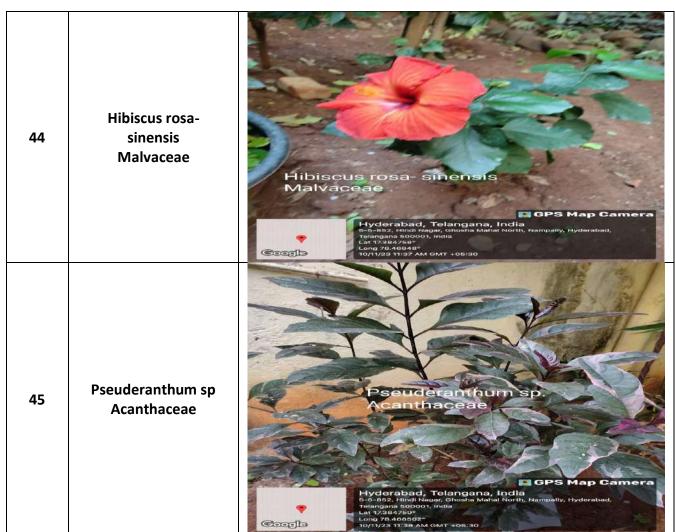
	T	
41	Costus woodsonii Costaceae	Costus woodsonii Costaceae. Hyderabad, Telangana, India 5-2-852, Huidi Nagar, Ghosha Mahali North, Nampally, Hyderabad, Telangana 600001, India 12.382/349* Long 78-4604803 Long 78-4604803
42	Aloe vera Liliaceae	Aloe vera Liliaceae Hyderabad, Telangana, India 5-6-852, Hindi Nasar, Chosha Mahal North, Nampally, Hyderabad, Telangana January Janu
43	Cissus quadrangularis Vitaceae	Clesus quadrangularis— Vitaceae. Hydorabad, Tolangana, India 5-9-552- Iding Angar, Chosta Marial North, Nampally, Plyderabad, Tolangana Shoota, Tolangana, India 5-9-552- Iding Nagar, Chosta Marial North, Nampally, Plyderabad, Tolangana Shoota, India 1-17-24-76-76-76-76-76-76-76-76-76-76-76-76-76-

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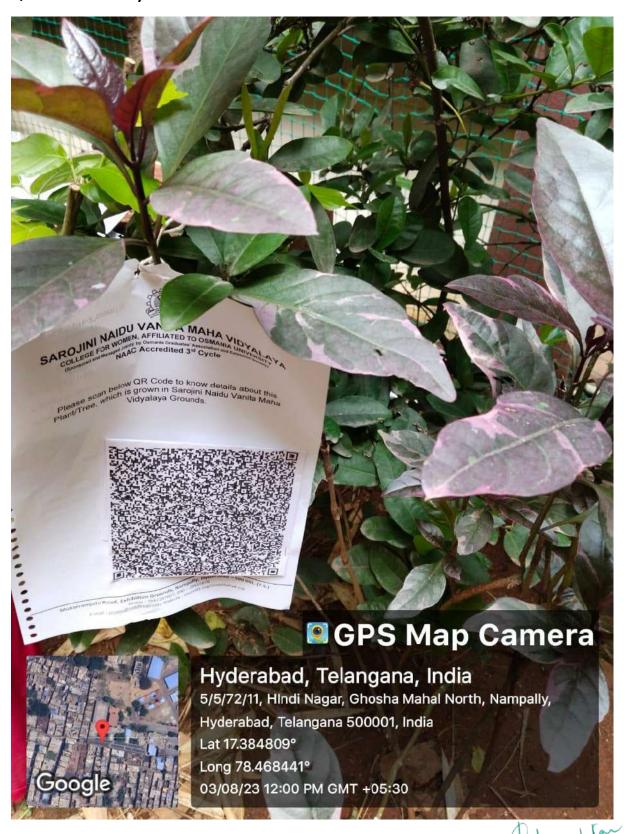
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Plants used for garden

QR Code Created by Eco-Club members



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Landscaping at SNVMV



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Energy Audit

Alternative Sources of energy

Our institution has installed a 100Kbp on-grid Solar Power Pack system, as a measure toward the use of renewable energy.

All buildings have been installed with fire protection hydrant systems.

Biogas digester with gas connection capacity of 20kg has been established in the hostel premises. Hostel kitchen-waste is used in the biogas plant, and the gas generated is used in the kitchen, thereby saving energy and also obtaining energy from waste, as an eco-friendly measure by the institution. LED bulbs has been installed in the college premises

Dt: 22-05-2019

CIRCULAR

As part of the initiative to promote renewable energy, a solar power Plant of 100 KWP capacity has been installed on the terrace of the institution and is scheduled to be inaugurated by Shri. P. Vasanth Rao, Chairman on 25.05.2019 at 10.00 am. The power plant has been commissioned and has commenced producing power which would serve the requirements of the College and Hostel. All the teaching and non-teaching staff are requested to attend the inaugural function.

PRINCIPAL

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Electricity consumption statement with or without solar plant

SAROJINI NAIDU VANITA MAHA VIDYALAYA: HYDERABAD

ELECTRICITY CONSUMPTION

S.NO:	MONTH	WITHOUT SOLAR AVERAGE AMOUNT (RS.)	WITH SOLAR AMOUNT (RS.)
1	MAY-19	3,71,161/-	3,00,721/-
2	JUN-19	2,53,820/-	1,83,380/-
. 3	JUL-19	2,52,268/-	1,81,868/-
4	AUG-19	2,56,915/-	1,86,515/-
5	SEP-19	2,57,051/-	1,86,651/-
6	OCT-19	1,90,622/-	90,352/-
7	NOV-19	3,24,037/-	2,32,937/-
8	DEC-19	2,53,551/-	1,67,881/-
9	JAN-20	2,18,329/-	1,20,829/-
10	FEB-20	2,94,686/-	1,80,186/-
11	MAR-20	2,65,874/-	1,49,229/-
12	APR-20	2,85,820/-	1,76,231/-
	TOTAL:	32,24,134/-	21,56,780/-
SAVE AMOUN	T IN 12 MONTHS	RS. 10,67,354/-	

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SAROJINI NAIDU VANITA MAHA VIDYALAYA: HYDERABAD

ELECTRICITY CONSUMPTION

S.NO:	MONTH	WITHOUT SOLAR AVERAGE AMOUNT (RS.)	WITH SOLAR AMOUNT (RS.
1	MAY-20	1,57,830/-	72,411/-
2	JUN-20	1,60,887/-	75,393/-
3	JUL-20	1,10,808/-	94,327/-
4	AUG-20	1,60,887/-	71,223/-
5	SEP-20	1,66,650/-	75,880/-
6	OCT-20	1,57,830/-	72,060/-
7	NOV-20	1,58,887/-	71,897/-
8	DEC-20	1,70,594/-	71,504/-
9	JAN-21	1,90,544/-	72,055/-
10	FEB-21	2,41,950/-	1,55,982/-
11	MAR-21	2,90,055/-	1,56,509/-
12	APR-21	2,01,555/-	56,149/-
	TOTAL:	21,68,477/-	10,45,390/-
AVE AMOUN	T IN 12 MONTHS	RS. 11,23,087/-	

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SAROJINI NAIDU VANITA MAHA VIDYALAYA : HYDERABAD **ELECTRICITY CONSUMPTION**

s.No.	Months	Without Solar Average Amount (Rs.)	With Solar Amount (Rs.)
1	May-21	241950.00	71334.00
2	Jun-21	241950.00	71395.00
3	Jul-21	241950.00	93237.00
4	Aug-21	241950.00	113671.00
5	Sep-21	241950.00	99769.00
6	Oct-21	241950.00	112109.00
7	Nov-21	241950.00	167293.00
8	Dec-21	241950.00	188679.00
9	Jan-22	241950.00	92293.00
10	Feb-22	241950.00	91892.00
11	Mar-22	241950.00	171463.00
12	Apr-22	241950.00	141543.00
	Total:	2903400.00	1414678.00
Save An	nount in 1 Year	14887	22.00

SAROJINI NAIDU VANITA MAHA VIDYALAYA: HYDERABAD

ELECTRICITY CONSUMPTION

S.NO:	MONTH	WITHOUT SOLAR AVERAGE AMOUNT (RS.)	AMOUNT (RS.	
1	SEP-22	2,41,950/-	1,84,526/-	
2	OCT-22	2,41,950/-	1,82,933/-	
3	NOV-22	2,41,950/-	1,88,831/-	
4	DEC-22	2,41,950/-	2,07,317/-	
5	JAN-23	2,41,950/-	1,69,441/-	
6	FEB-23	2,41,950/-	1,74,422/-	
7	MAR-23	2,41,950/-	1,92,034/-	
8	APR-23 (15Days)	2,41,950/-	80,726/-	
	TOTAL:	19,35,600/-	13,80,266/-	
AVE AMOU	NT IN 8 MONTHS	RS, 5,55,334/-		

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Wheeling the Grid

9/8/23, 4:22 PM

HT Billing System

SOUTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED

H.T C.C. Bill for the Month of August 2023,

Date: 01-Sep-23

PAYABLE ON OR BEFORE Dated: 15-Sep-23 DATE: 30-Sep-23 DISCONNECTION

Contracted MD (KVA/HP)	150	Consumer Number	HDC902
Specified Voltage(KV)	11	Name	HONY.SECRETARY & CORRESPONDENT
Actual Voltage(KV)	11	Address1	C/O. SN.VANITHA MAHA VIDYALAYA
Feeder	110153340104 (CF)	Address2	EXHBITION GROUNDS.
Category	2A	Address3	ABIDS,HYDERABAD.

LESCRIPTIONS	KWH	KVAH	KVA	TOD1	TOD2
Reading On 31-AUG-23	286622.10	303989.60	38.86	47020.15	57343.20
Reading On 01-AUG-23	278419.39	295858.33		45770.20	56201.33
Difference ST 24 (PT)	8202.71	8131.27		1249.95	1141.87
Multiplying Factor	2	2	2	2	2
Total Consumption	16425	16283	77.72	2500	2284
Monthly Minimum Units	3000		120		
Main Consumption	16063	Colony	0	L&F	. 0

AMOUNT Rs.	KVA/UNITS	RATE	DESCRIPTIONS
57000.00	120	Rs. 475	mand Charges Normal
0.00	0	Rs. 950	Demand Charges Penal
141354.40	16063	Ps. 880	Energy Charges
-3021.00		(FR: 68525.1 IR: 67014.83)	Incentive TOD1
-983.00		(FR: 24657.9 IR: 24166.59)	Incentive TOD2
4784.00	4784	Ps. 100	TOD Charges
963.78	16063	Ps. 6	Electricity Duty
0.00	0	Ps. 730	Colony Charges
0.00	0	Ps. 880	LAF Charges
0.00	0	Ps. 0	Green Energy Charges
		Ps.	FSA Charges

Supplier Name Net KWH KVA TOD Sub Total 200098.18

Sub Total 200098.18

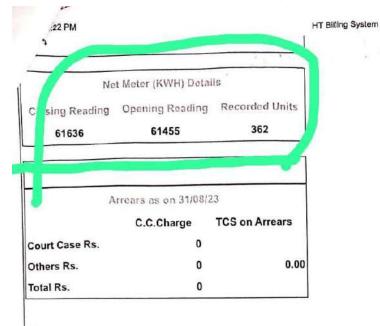
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Customer Charges	2000.00
ACD Surharge	0.00
UI Charges	0.00
Cross Subsidy Surcharge	0.00
Additional Surcharge on OA	0.00
RKVAH surcharge HYDEL	
RKVAH surcharge WIND	
Late Payment Charges	0.00
Interest on ED	0.00
Penal Interest	
Difference Voltage Surcharge	0.00
Wheeling Charges	0.00
Transmission Charges	0.00
Other Charges-I	0.00
Other Charges-II	0.00
Gross Total 2	202098.00
Inc. Rec. from Govt.	0.00
IT TCS U/s 206C(1H)	0.00
Net Bill Amount	202098.00
Total Arrears	0.00

Amount in Words: Two Lakh Two Thousand and Ninty Eight Rupees Only.

Note: ACD Due for 2023-24 Rs. 0

Note: PAY YOUR BILL THROUGH THE SBI A/C NO. SPDCLPHDC902

IFSC CODE: SBIN0004266

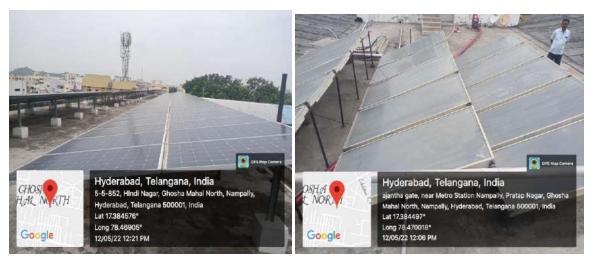
MBANC Ch.NO. 473178. 728. 2,02,098 = 00 Johnson 3

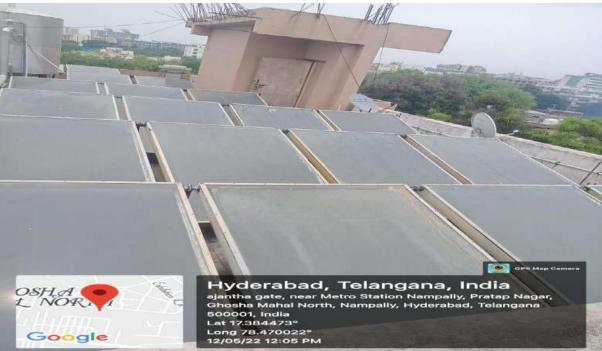
Total Amount Payable 202098.00

https://webportal.tssouthernpower.com/HTBilling/MeterDetails/HTBillSet_BillViewGen.jsp?htscno=HDC902

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Environment Audit







ISO certificate for implementation of Greenery and Environmental Promotion activities for 2022-2023



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Environment Audit

Waste Management, Biogas and Vermi-compost Pit

The most important step in waste management is to segregate waste into solid and liquid. The college encourages the process of eco-friendly waste disposal methods. Maximum

waste generated is recycled and reused.

- 1. Solid waste management: The institution has waste collection-cum-segregation and disposal system. Paper, dry leaves, kitchen waste are biodegradable while plastics and e-waste are classified as non-biodegradable. Appropriate methods are followed for waste disposal. Biodegradable waste is collected in green bins and non-biodegradable waste is collected in blue bins which are kept all over the campus. Kitchen waste is dropped in biogas pit, dry leaf litter are dropped in vermicompost pit and the compost generated is used as fertilizer for plants in the campus. The paper waste is sent for recycling. Reparable metal and wooden furniture such as tables and chairs are refurbished and reused while non-reparable items are disposed of through authorized dealers.
- 2. **Liquid waste management:** Negligible amount of liquid waste is produced by the Institution. The RO plant's rejected water is used in washrooms. The liquid waste from chemistry laboratory is neutralized before draining.

Solid waste management

Facilities in the Institution for the management of the degradable and non-degradable waste





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Biodegradable waste is collected in green bins and non-biodegradable waste is collected in blue bins which are kept all over the campus

Biogas



Kitchen waste is dropped in biogas pit

Vermicompost pit

Dry leafs litter are dropped in vermi-compost pit and the compost generated is used as fertilizer for plants in the campus.



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Liquid waste management

RO Plant: The RO plant's rejected water is used in washrooms



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Water conservation

Water Consumption

Source for water supply for SNVMV is through Hyderabad Water Supply and Sewerage Board (HWSSB) and another from its own bore wells. College pays for the water bill to HWSSB regularly. The college has installed water level indicator to avoid overflow from water tank.

Rain Water Harvesting

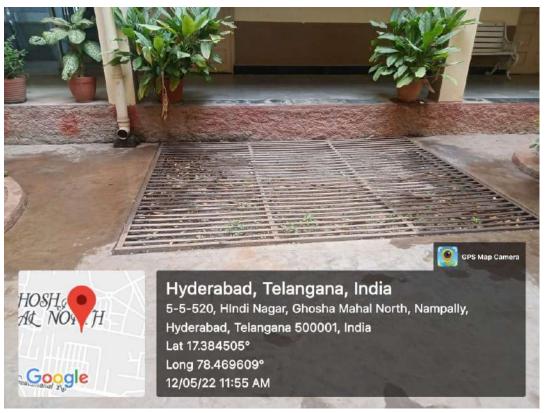
A relatively clean surface, such as a roof, a land surface, or a rock catchment, can be utilized to collect, transport, and store rainwater for later use. RWH is a method for obtaining water from roofs, filtering it, and storing it for later use. The basic method of collecting and storing rainwater where it falls is known as rainwater harvesting. Depending on the circumstance, it may be utilized to rehydrate groundwater or stored in tanks for later use.

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Construction of sumps

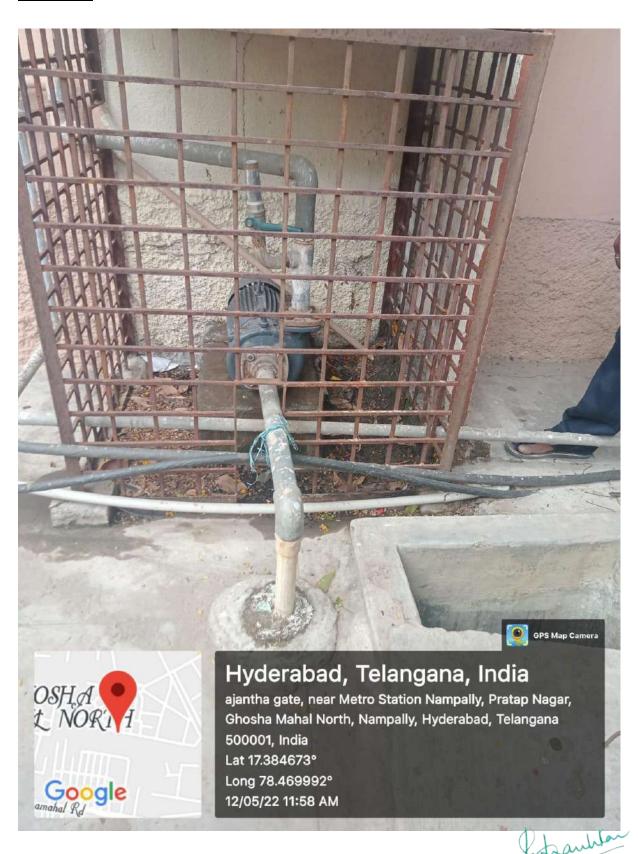


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Bore-well



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RO Plant



Maintenance of water bodies and distribution system in the campus

