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Supporting Documents for NAAC Self Study Report (SSR) (3rd Cycle) Period: 2018-2023

Criterion 7	INSTITUTIONAL VALUES AND BEST PRACTICES
Key Indicator 7.2	BEST PRACTICES
Metric No. 7.2.1	DESCRIBE TWO BEST PRACTICES SUCCESSFULLY IMPLEMENTED
	BY THE INSTITUTION AS PER NAAC FORMAT PROVIDED ON THE
	MANUAL

Submitted to



Submitted by IQAC, Sonari College, P.O. Sonari, Dist: Charaideo, PIN: 785690 (Assam)

www.sonaricollege.edu.in e-mail: principalsonaricollege@gmail.com



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# FILE DESCRIPTION:

#### ANY OTHER RELEVANT INFORMATION

Metric No. 7.2.1 DESCRIBE TWO BEST PRACTICES SUCCESSFULLY IMPLEMENTED BY THE INSTITUTION AS PER NAAC FORMAT PROVIDED ON THE MANUAL

SL.NO	PARTICULARS				
1.	BEST PRACTICE 1: ENVIRONMENTAL CONSCIOUSNESS.				
2	BEST PRACTICE 2: TITLE: BIHU ADORONI (TRADITIONAL CULTURAL PROGRAMME ON THE EVE OF SPRING SEASON)				









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BEST PRACTICE 1: ENVIRONMENTAL CONSCIOUSNESS







### तंजस्य नावधीतमस्तु अस तंजस्य नावधीतमस्तु अस अस्ति COL

### **SONARI COLLEGE**

#### **Affiliated to Dibrugarh University**

#### **Best Practice 1:**

1. Title of the Practice: Environmental Consciousness.

#### 2. Objectives of the practice:

- To make the campus green, clean, eco-friendly and healthy and hygienic for all.
- To encourage and aware students and staff to become socially and environmentally responsible citizens.
- 3. **The Context:** Protection of environment is a vital issue of the present era and the institution pays attention to this issue and responsibly works for the protection of the environment as well as create awareness about environment among the students and the community.

#### 4. The practice:

Sonari college has adopted a Green Campus Policy. Green audit has been performed systematically since 2021 year which helps to monitor, identify, and document the natural resources of the College and also helped to determine whether the institutional practices are environment friendly and sustainable. It helps to ensure that the campus is greenish and rich in biodiversity.

In order to create an eco-friendly campus, the students and teachers are engaged in plantation and conservation drives through the initiatives of the Eco Club, Environment Cell, Swachhta Action Plan and NSS unit, Sonari College. These programmes engage the young generation in conservation of nature and its resources, involve them in planting and caring the saplings and thus make them responsible citizens, protecting the environment and working for its sustainable development. Plantation drives, cleanliness drives and other awareness programmes are organized time to time viz. World Environment Day and Ozone Day etc.

The College avoids and bans the use of single use plastics and has declared the campus as plastic free zone. There is arrangement of dust bins all-round the campus. The organic solid waste is collected and converted to compost in the vermicomposting unit and used to manure plants in the college gardens. The non-biodegradable waste is collected and







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### **SONARI COLLEGE**

#### **Affiliated to Dibrugarh University**

disposed off by town municipality. Incinerators have been installed in the common room of girls and lady teachers.

Solar and wind energy powered street lights, LED lights helps in energy conservation. Rain water is harvested and used to water the plants or for other purposes.

#### 5. Evidence of Success:

- ✓ A lush green campus prevails in the college with a medicinal plant garden, orchid and flower gardens.
- ✓ Plantations of local and endemic plants are conducted during different plantation programmes and they are taken care of.
- ✓ Vermicompost produced is used to manure the college gardens.
- ✓ Successful green, energy and water audit is performed every year.
- ✓ LED lights, solar and wind energy powered street lights and other energy efficient equipments are used.
- ✓ The college avoids use of plastics and has declared the campus "No Plastic Zone."
- ✓ Rain water harvesting plant has been working successfully and water harvested is used to water the gardens and different other purposes.

#### 6. Problems Encountered and Resources Required:

- People are habituated with single use plastics.
- > Most food items are wrapped with plastics.
- ➤ Due to busy and hectic CBCS system of education and continuous evaluation process, students have less time to engage themselves in environment related activities outside the college.
- > Organizing various programs during college working hours results in sacrificing classes.





COORDINATOR
IQAC
IQAC
SONARI COLLEGE



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#### GREEN CAMPUS POLICY OF SONARI COLLEGE



### SONARI COLLEGE

P.O.: Sonari, Dist.: Charaideo (Assam) PIN 785690 e-mail:principalsonaricollege@gmail.com Phone No .03772 256515(O)



Date 16/11/2021

#### **Green Campus Policy**

#### Introduction

A green campus refers to an eco-friendly campus where education along with environmental friendly practices are imparted to ensure judicious use of environmental resources to meet the needs and aspirations of the present and future generations. The green campus policy will develop practices that would encourage the staff and students to lead a sustainable life.

#### Objectives:

To create an eco-friendly learning and working environment.

To make the campus plastic free.

To make proper plan for restoration and remediation of existing land and water.

To efficiently use water and energy.

To recycle waste water.

To reduce the amount of waste production.

To cut down the use of papers in both academic and administrative purposes and use more ICT tools.

To conduct green audit and energy audit from time to time.

To conserve biodiversity.

To raise awareness and seek adoption of environmental good practices.

Coordinator.
IOAC Sonari College.
Sonari

CO-ORDINATOR IQAC SONARI COLLEGE Principal

Sonari College Sonari Principal Sonari College Sonari



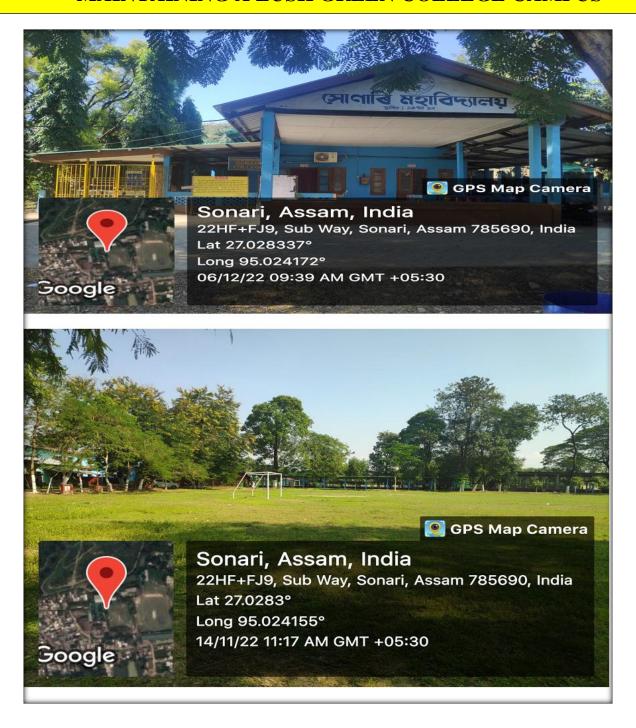


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IQA-C
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#### MAINTAINING A LUSH GREEN COLLEGE CAMPUS





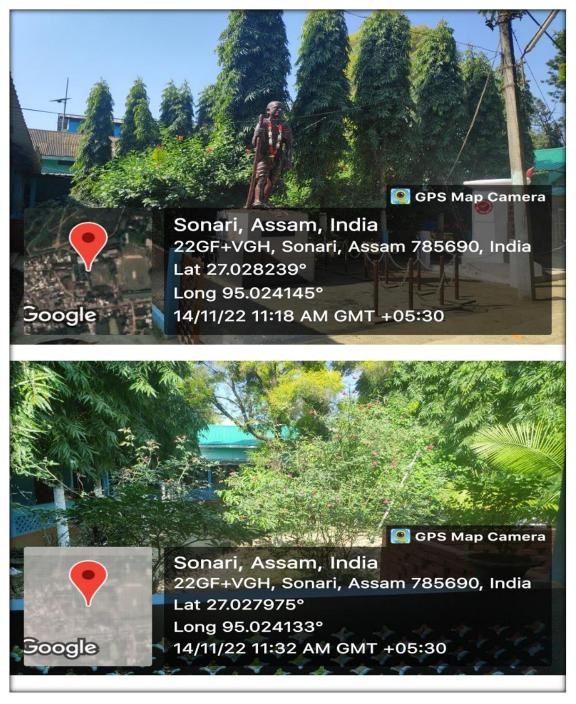






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#### MAINTAINING A LUSH GREEN COLLEGE CAMPUS





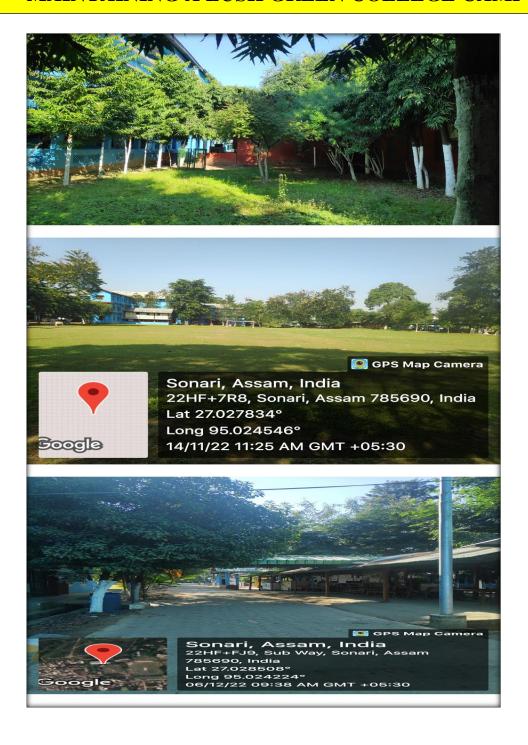






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#### MAINTAINING A LUSH GREEN COLLEGE CAMPUS











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#### MAINTAINING A LUSH GREEN COLLEGE CAMPUS



#### MINI BOTANICAL GARDEN









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#### MAINTAINING A LUSH GREEN COLLEGE CAMPUS



#### ORCHID PLANTATION IN THE COLLEGE

WITH THE AIM OF CONSERVATION, AWARENESS AND BEAUTIFICATION A NUMBER OF ORCHIDS DEDICATED TO RENOWNED PERSONALITIES OF ASSAM WERE PLANTED ON TREES IN THE SONARI COLLEGE CAMPUS BY A SOCIAL AND CULTURAL ORGANIZATION OF JORHAT NAMED "THE EVENT" WITH THE COLLABORATION OF SONARI COLLEGE









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#### RESTRICTED ENTRY OF AUTOMOBILES



#### BIKE STAND FOR STUDENTS IS NEAR THE COLLEGE GATE







Criterion 7

**INSTITUTIONAL VALUES AND BEST PRACTICES** 



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#### RESTRICTED ENTRY OF AUTOMOBILES



#### **USE OF BICYCLES BY STAFF**











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# CREATING AN ECOFRIENDLY LEARNING AND WORKING ENVIRONMENT (conduction of Green Audit)

### GREEN AUDIT REPORT 2021-22

#### SONARI COLLEGE

Charaideo, Assam





# GREEN AUDIT REPORT 2022-23

#### SONARI COLLEGE

Charaideo, Assam













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#### LIST OF PLANTS PRESENT IN SONARI COLLEGE

#### 3.2.1 Biodiversity of Sonari College Table 2: The list of plants present in the campus

SI No	Botanical Name	Common Name	Family	Habit	Total
1	Andrographis paniculata	Chireta/ Kalmegh	Acanthaceae	Herb	3
2	Abroma augusta	Ulat-Kombol	Malvaceae	Shrub	1
3	Aegle marmelos	Bel	Rutaceae	Shrub	1
4	Aglaonema costatum		Araceae	Herb	6
5	Aloe vera	Salkuwori	Asphodelaceae	Herb	2
6	Alstonia scholaris	Sotiyona	Apocynaceae	Tree	7
7	Annona reticulata	Atlas	Annonaceae	Tree	1
8	Aquilaria malaccensis	Sasi	Thymelaeaceae	Tree	1
9	Araucaria columnaris		Araucariaceae	Tree	3
10	Areca catechu	Tamul	Arecaceae	Tree	1
11	Artocarpus heterophyllus	Kothal	Moraceae	Tree	
12	Asparagus racemosus	Satmul	Asparagaceae	Herb	1
13	Averrhoea carambola	Kordoi	Oxalidaceae	Shrub	1
14	Axonopus compressus	Ghah	Poaceae	Herb	-
15	Azadirachta indica	Neem	Meliaceae	Tree	4
16	Baccaurea ramiflora	Leteku	Phyllanthaceae	Tree	1
17	Bombax ceiba	Simolu	Malvaceae	Tree	1
18	Caesalpinia pulcherrima	Radhachura	Caesalpiniaceae	Tree	1
19	Caladium bicolor		Araceae	Herb	1
20	Calathea ornata		Marantaceae	Herb	1
21	Cascabela thevetia		Apocynaceae	Shrub	5
22	Cassia fistula	Sonaru	Fabaceae	Tree	3
23	Catharanthus roseus	Nayantora	Apocynaceae	Herb	5
24	Cinnamomum tamala	Tejpat	Lauraceae	Tree	1
25	Citrus limon	Kaji Nemu	Rutaceae	Shrub	1
26	Citrus jambhiri	Gol Nemu	Rutaceae		
27	Citrus maxima	Robab tanga	Rutaceae	Shrub	4
28	Clitoria ternatea	Aparajita	Fabaceae	Climber	1
29	Clerodendrum	Nephaphu	Lamiaceae	Shrub	
	colebrookeanum				









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#### LIST OF PLANTS PRESENT IN SONARI COLLEGE

30	Cocos nucifera	Narikol	Arecaceae	Tree	2
Sl No	Botanical Name	Common Name	Family	Habit	Total
31	Coleus scutellarioides		Lamiaceae	Herb	7
32	Cordyline fruticosa		Asparagaceae	Herb	6
33	Cynodon dactylon	Dubori bon	Poaceae	Herb	-
34	Delonix regia	Krishno-Chura	Fabaceae	Tree	7
35	Dillenia indica	Owtenga	Dilleniaceae	Tree	2
36	Dracaena trifasciata		Asparagaceae	Herb	2
37	Duranta erecta		Verbenaceae	Shrub	6
38	Dypsis lutescens	Mamoi Tamul	Arecaceae	Shrub	2
39	Elaeocarpus serratus	Jolphai	Elaeocarpaceae	Tree	8
40	Eleusine indica	Ghah	Poaceae	Herb	-
41	Epipremnum aureum		Araceae	Climber	1
42	Eucalyptus regnans		Myrtaceae	Tree	2
43	Euphorbia milii		Euphorbiaceae	Herb	15
44	Euphorbia neriifolia	Hiju	Euphorbiaceae	Shrub	1
45	Euphorbia tithymaloides		Euphorbiaceae	Herb	2
46	Flacourtia jangomas	Poniyol	Salicaceae	Shrub	2
47	Garcinia xanthochymus	Tapor-tenga	Clusiaceae	Tree	2
48	Gardenia jasminoides	Togor	Rubiaceae	Shrub	
49	Gmelia arborea	Gomari	Lamiaceae	Tree	1
50	Grevillea robusta		Proteaceae	Tree	10
51	Hemelia patens		Rubiaceae	Shrub	1
52	Hibiscus rosa-sinensis	Joba Phul	Malvaceae	Shrub	9
53	Ixora chinensis		Rubiaceae	Shrub	3
54	Jasminum multiflorum	Khorikajai	Oleaceae	Shrub	1
55	Kalanchoe pinnata	Dupor tenga	Crassulaceae	Herb	3
56	Lagerstroemia indica	Japani ajar	Lythraceae	Shrub	4
57	Litchi chinensis	Lichu	Sapindaceae	Tree	4
58	Litsea monopetala	Soalu	Lauraceae	Tree	1
59	Machilus gamblei	Som	Lauraceae	Tree	6
60	Magnifera indica	Aam	Anacardiaceae	Tree	5





CO-ORDINATOR
CO-ORDINATOR
SONARI COLLEGE



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#### LIST OF PLANTS PRESENT IN SONARI COLLEGE

61	Magnolia insignis	Titasopa	Magnoliaceae	Tree	3
62	Manilkara zapota	Chiku	Sapotaceae	Tree	

Sl No	Botanical Name	Common Name	Family	Habit	Total
63	Malvaviscus penduliflorus		Malvaceae	Shrub	
64	Melaleuca citrina		Myrtaceae	Shrub	5
65	Melia azadirach	Ghura Neem	Meliaceae	Tree	1
66	Mesua ferrea	Nahor	Calophyllaceae	Tree	4
67	Mimusops elengi	Bokul	Sapotaceae	Shrub	6
68	Mirabilis jalapa	Godhuli Gopal	Nyctaginaceae	Shrub	6
69	Monoon longifolia	Debodaru	Annonaceae	Tree	42
70	Morus indica	Nuni	Moraceae	Shrub	1
71	Murraya koenigii	Narasingha	Rutaceae	Shrub	4
72	Musa acuminata	Kol	Musaceae	Herb	4
73	Mussaenda erythrophylla		Rubiaceae	Shrub	2
74	Myrtus communis		Myrtaceae	Tree	2
75	Nyctanthes arbor-tristis	Sewali	Oleaceae	Shrub	2
76	Opuntia stricta		Cactaceae	Herb	2
77	Phlogacanthus thyrsiflorus	Titaphool		Shrub	1
78	Phyllanthus acidus	Pora amlokhi	Phyllanthaceae	Tree	2
79	Phyllanthus emblica	Amlokhi	Phyllanthaceae	Tree	10
80	Piper nigrum	Jaluk	Piperaceae	Climber	2
81	Pongamia pinnata	Koros	Fabaceae	Tree	1
82	Putranjiva roxburghii	Putranjiva	Putranjivaceae	Tree	2
83	Psidium guajava	Modhuri	Myrtaceae	Shrub	2
84	Pyrus communis	Naspoti	Rosaceae	Tree	1
85	Rosa indica	Gulap	Rosaceae	Shrub	5
86	Saccharum officinarum	Kuhiya	Poaceae	Shrub	1
87	Samanea saman		Fabaceae	Tree	2
88	Senna sophera		Fabaceae	Tree	13
89	Smilax perfoliata	Tikoni Borua	Smilacaceae	Climber	1
90	Spinacea oleracea	Pirali paleng	Amaranthaceae	Herb	2









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#### LIST OF PLANTS PRESENT IN SONARI COLLEGE

91	Spondias pinnata	Amora	Anacardiaceae	Tree	1
92	Swietenia mahagoni	Mahagony	Meliaceae	Tree	1

Sl No	Botanical Name	Common Name	Family	Habit	Tot al
93	Syngonium podophyllum		Araceae	Herb	1
94	Syzygium cumini	Jamuk	Myrtaceae	Tree	2
95	Syzygium fruticosum	Kutahi jamuk	Myrtaceae	Tree	1
96	Syzygium jambos	Bogi jamuk	Myrtaceae	Tree	1
97	Tabernaemontana divaricata	Kothona	Apocynaceae	Shrub	1
98	Tamarindus indica	Teteli	Fabaceae	Tree	1
99	Terminalia arjuna	Arjun	Combretaceae	Tree	3
100	Terminalia bellirica	Bhumura	Combretaceae	Tree	1
101	Terminalia chebula	Hilikha	Combretaceae	Tree	
102	Tradeschantia zebrina		Commelinaceae	Herb	30
103	Xanthostemon chrysanthus		Myrtaceae	Shrub	1
104	Ziziphus jujuba	Bogori	Rhamnaceae	Tree	2
105	Curcuma longa	Haldhi	Zingiberaceae	Herb	
106	Ocimum tenuiflorum	Tulsi	Lamiaceae	Herb	
107	Capsicum chinese	Bhoot or bih jolokia	Solanaceae	Shrub	4
108	Anacardium occidentale	Kaju	Anacardiaceae	Tree	1
109	Rhododendron indicum	Azalea	Ericaceae	Shrub	1
110	Carica papaya	Amita	Caricaceae	Small tree	6
111	Rhynchostylis retusa	Kopou phul	Orchidaceae	Epiphyte	
112.					









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#### LIST OF MEDICINAL PLANTS PRESENT IN SONARI COLLEGE

#### 3.2.2 MEDICINAL PLANTS:

A medicinal plant garden is maintained in the college campus infront of the computer laboratory. A number of plants recorded in the campus survey also have medicinal values. Some of them are: Alstonia scholaris, Azadirachta indica, Nyctanthes arbor-tristis, Terminalia bellirica, Aloe vera, Terminalia arjuna, Asparagus racemosus, Murraya koenigii, Phlogacanthes thyrsiflorus, Syzygium cumini, Psidium guajava, Terminalia chebula, Saccharum officinarum, Dillenia indica, Flacourtia jangomas, Smilax perfoliata, Kalanchoe pinnata, Catharanthus roseus, Putranjiva roxburghii, Clitoria ternatea, Ocimum tenuiflorum, Capsicum chinese, Curcuma longa.



Fig 7: Some of the medicinal plants recorded: (A) Aloe vera (B) Curcuma longa (C) Clitoria ternatea (D) Azadirachta indica, (E) Catharanthus roseus, (F) Kalanchoe pinnata, (G)Ocimum tenuiflorum (H)Smilax perfoliata









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#### LIST OF EDIBLE FRUIT PLANTS PRESENT IN SONARI COLLEGE

#### 3.2.3 EDIBLE FRUIT PLANTS:

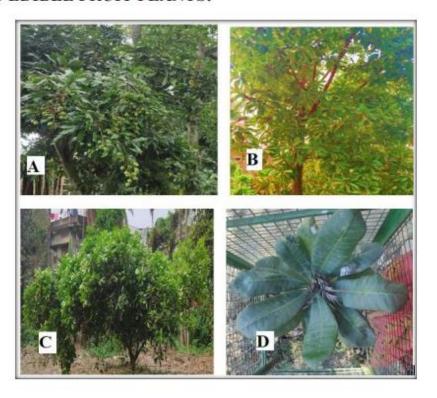


Fig 8: Few edible fruit plants growing in the campus (A) Litchi chinensis, (B)

Dillenia indica (C) Citrus maxima. (D) Anacardium occidentale

#### Some of the edible fruit plants present in Sonari College Campus are:

Averrhoea carambola, Elaeocarpus serratus, Phyllanthus emblica, Mimusops elengi, Citrus maxima, Litchi chinensis, Magnifera indica, Musa acuminate, Areca catechu, Syzygium cumini, Psidium guajava, Citrus limon, Dillenia indica, Cocos nucifera, Terminalia bellirica, Ziziphus jujube, Saccharum officinarum, Terminalia chebula, Carica papaya, Anacardium occidentale, Pyrus communis, Manilkara zapota,





CO-ORDINATOR IOA-C SONARI COLLEGE



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#### LIST OF ORNAMENTAL AND TIMBER YIELDING PLANTS PRESENT IN SONARI COLLEGE

#### 3.2.4 LIST OF ORNAMENTAL PLANTS

Melaleuca citrina, Mesua ferrea, Delonix regia, Monoon longifolia, Grevillea robusta

Dypsis lutescens, Senna sophera, Araucaria columnaris, Abroma augusta, Melia azadirach, Gmelia arborea, Caesalpinia pulcherrima, Hibiscus rosa-sinensis, Rosa indica, Mussaenda erythrophylla, Ixora chinensis, Tabernaemontana divaricate, Cordyline fruticosa, Euphorbia tithymaloides, Asparagus racemosus, Aglaonema costatum, Mirabilis jalapa, Cascabela thevetia, Hemelia patens, Coleus scutellarioides, Duranta erecta, Xanthostemon chrysanthus, Myrtus communis, Tradeschantia zebrine, Rhododendron indicum.

#### 3.2.5 LIST OF TIMBER YIELDING PLANTS:

Terminalia arjuna, Mimusops elengi, Gmelia arborea, Mesua ferrea, Swietenia mahagoni, Artocarpus heterophyllus, Melia azadirach, Bombax ceiba, Mangifera indica, Morus alba, Syzygium cumini, Delonix regia, Ziziphus jujube, Langerstroemia speciosa, Pongamia pinnata, Monoon longifolia,









**Affiliated to Dibrugarh University** 

# PROGRAMMES ENCOURAGING AWARENESS AND ACTION FOR PROTECTING THE ENVIRONMENT



**CELEBRATION OF WORLD ENVIRONMENT DAY 2018.** 









**Affiliated to Dibrugarh University** 

# PROGRAMMES ENCOURAGING AWARENESS AND ACTION FOR PROTECTING THE ENVIRONMENT



CELEBRATION OF WORLD ENVIRONMENT DAY 2020.









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# PROGRAMMES ENCOURAGING AWARENESS AND ACTION FOR PROTECTING THE ENVIRONMENT





#### **CELEBRATION OF WORLD ENVIRONMENT DAY 2021.**









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# PROGRAMMES ENCOURAGING AWARENESS AND ACTION FOR PROTECTING THE ENVIRONMENT





#### CELEBRATION OF WORLD ENVIRONMENT DAY 2022.







Criterion 7

**INSTITUTIONAL VALUES AND BEST PRACTICES** 



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# PROGRAMMES ENCOURAGING AWARENESS AND ACTION FOR PROTECTING THE ENVIRONMENT



#### **CELEBRATION OF WORLD ENVIRONMENT DAY 2023.**









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# PROGRAMMES ENCOURAGING AWARENESS AND ACTION FOR PROTECTING THE ENVIRONMENT



CHIEF MINISTER'S INSTITUTIONAL PLANTATION PROGRAM: 18 JULY 2022









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# PROGRAMMES ENCOURAGING AWARENESS AND ACTION FOR PROTECTING THE ENVIRONMENT



#### WORLD OZONE DAY-18 SEPTEMBER 2022 CELEBRATION









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# PROGRAMMES ENCOURAGING AWARENESS AND ACTION FOR PROTECTING THE ENVIRONMENT











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# PROGRAMMES ENCOURAGING AWARENESS AND ACTION FOR PROTECTING THE ENVIRONMENT



PLANTING AND
CARING OF SAPLINGS
BY FEE WAIVED
STUDENTS









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#### CLEANLINESS DRIVES IN THE COLLEGE

Cleanliness programme

Organized by NSS unit, Sonari college

In collaboration with Department of Civil Defence ,Jorhat

Date: 24/12/2021

Place: Sonari College



CLEANLINESS PROGRAMME, ORGANISED BY NSS UNIT, SONARI COLLEGE ON 24-12-2021 IN COLLABORATION WITH DEPARTMENT OF CIVIL DEFENCE, JORHAT







Criterion 7

**INSTITUTIONAL VALUES AND BEST PRACTICES** 



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#### CLEANLINESS DRIVES IN THE COLLEGE



CLEANLINESS AND PLANTATION PROGRAMME, ORGANISED BY NSS UNIT, SONARI COLLEGE ON 29-1-2022 IN THE COLLEGE PREMISES.



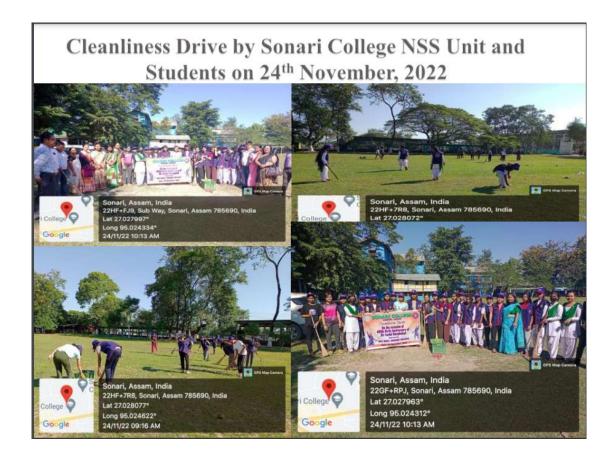






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#### CLEANLINESS DRIVES IN THE COLLEGE



# CLEANLINESS PROGRAMME, ORGANISED BY NSS UNIT, SONARI COLLEGE ON OCCASION OF LACHIT DIVAS 2022.



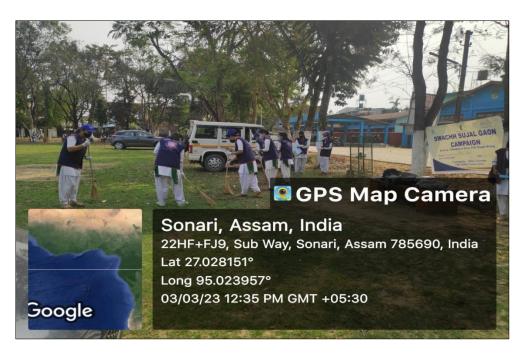






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#### CLEANLINESS DRIVES IN THE COLLEGE





CLEANLINESS PROGRAMME, ORGANISED BY NSS UNIT, SONARI COLLEGE IN COLLABORATION WITH SWACHH SUJAL GAON CAMPAIGN









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#### CLEANLINESS DRIVES IN THE COLLEGE





CLEANLINESS DRIVE, CONDUCTED ON OCCASION OF WORLD ENVIRONMENT DAY 2023,ORGANISED BY SONARI COLLEGE









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THE INSTITUTION HAS FACILITIES FOR ALTERNATE SOURCES OF ENERGY CONSERVATION MEASURES:

ALTERNATE SOURCE OF ENERGY: SOLAR AND WIND ENERGY



LED STREET LIGHTS POWERED BY SOLAR AND WIND ENERGY NEAR THE EXAMINATION BRANCH.







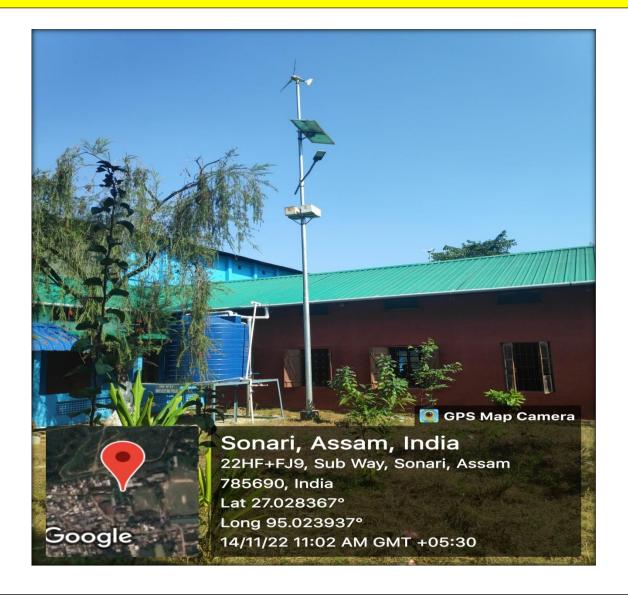
Criterion 7

**INSTITUTIONAL VALUES AND BEST PRACTICES** 



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### ALTERNATE SOURCE OF ENERGY: SOLAR AND WIND ENERGY



# LED STREET LIGHTS POWERED BY SOLAR AND WIND ENERGY NEAR THE CLASSROOMS.





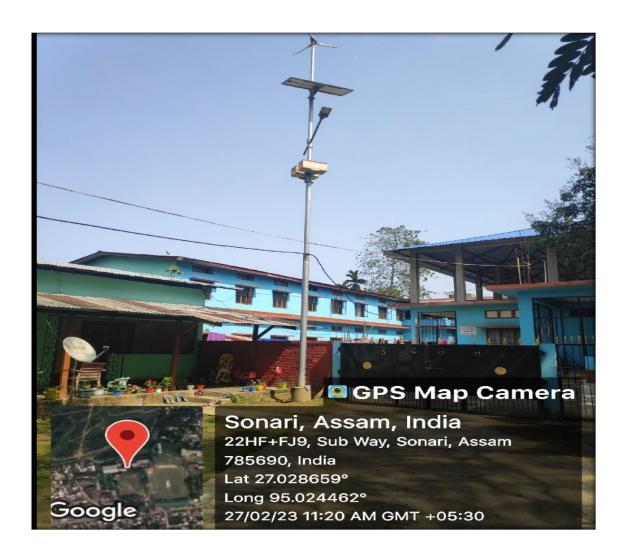


Criterion 7



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### ALTERNATE SOURCE OF ENERGY: SOLAR AND WIND ENERGY



LED STREET LIGHTS POWERED BY SOLAR AND WIND ENERGY INFRONT OF GIRLS HOSTEL.









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### SENSOR BASED ENERGY CONSERVATION: Use of Motion Sensor Light







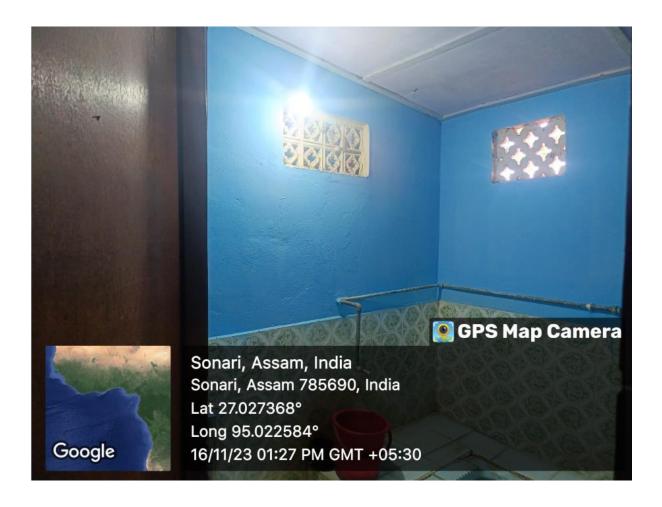






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## SENSOR BASED ENERGY CONSERVATION: Use of Motion Sensor Light



# MOTION SENSOR LIGHTS INSTALLED IN WORKING WOMENS' WASHROOM









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# ENERGY CONSERVATION METHOD: USE OF LED BULBS IN CLASSROOMS







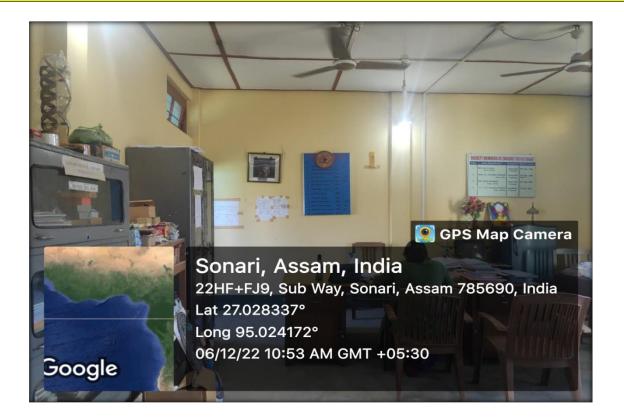






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### **ENERGY CONSERVATION METHOD: USE OF LED BULBS**



# USE OF LED LIGHTS IN DEPARTMENTAL TEACHERS' COMMON ROOM









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### ENERGY CONSERVATION METHOD: USE OF LED BULBS





### USE OF LED LIGHTS IN AUDITORIUM AND VIRTUAL ROOM





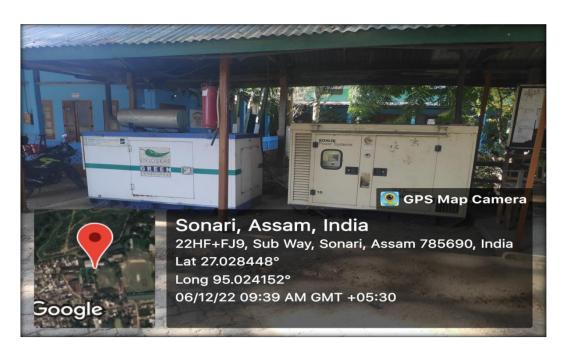


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# ENERGY CONSERVATION METHOD: USE OF OTHER POWER EFFICIENT EQUIPMENTS





### USE OF ENVIRONMENT FRIENDLY AND POWER EFFICIENT GENSET







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# ENERGY AUDIT IS PERFORMED IN THE COLLEGE EVERY YEAR

# ENERGY AUDIT REPORT OF SONARI COLLEGE CAMPUS



### SONARI COLLEGE 2022-2023 SONARI, CHARAIDEO, ASSAM

### Members of the Energy Audit Committee of Sonari College

The Energy Audit report of the college was prepared by the following members.

#### Convener:

Dr. Bikash Kumar Sarmah, Assistant Professor, Department of Chemistry

#### Members:

- Dr. Lucky Chetia, Assistant Professor, Department of Political Science
- Mrs. Gitika Talukdar, Assistant Professor, Department of Education

Principal SONARI COLLEGE SONARI



CO-ORDINATOR
IQAC
SONARI COLLEGE



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### AIMS OF ENERGY AUDIT

#### 1. Introduction

Consumption of energy is a basic requirement for the development of different sectors of economy like agriculture, industries, transport and communication etc. With the ever-increasing population of India, reaching up to 140 crores, evidently, the need of energy will only increase in upcoming future. Now about 70% of the energy required in India is produced from fossil fuels whose resources are depleting with time. Again, burning the fossil fuels means elimination of greenhouse gases like CO<sub>2</sub> which in turn contribute to the global warming. So, it is of utmost necessity that people understand the need for efficient utilization of energy and alternative greener energy sources. One of the basic requirements for this to carry out an energy audit, which is defined according to Energy Conservation Act, 2001 as "the verification, monitoring and analysis of use of energy including submission of technical report containing recommendation for improving energy efficiency with cost benefit analysis and an action plan to reduce energy consumption". An energy audit can help to figure out the efficient ways of energy utilization by depicting all requirements an institution needs.

#### 2. Scope of the Study

#### 2.1. Assess the actual operating load and scope for optimizing the same

- > Review of present electrical load in the campus
- > Assess the buildings wise electrical load

### 2.2. Study the energy conservation option in lighting system

- Review of present lighting system, lighting inventories and estimate the lighting load in different rooms, floor, corridor, outside the buildings, playground and other locations of the college campus.
- Detail lax level study at various locations and comparison with acceptable standards.
- Highlight the present lighting system and find out different ways for its improvement.
- Exploring new energy conservation option in lighting system.

#### 2.3. Energy Conservation in Air Conditioning and water pumping

- To observe details of energy consumption
- Exploring new energy conservation option

#### 3. Methodology:

The following methods are followed for performing the energy audit of the college campus.

#### 3.1. Survey of the campus:

First of all, all relevant data were collected which have been chosen as first hand data regarding energy consuming devices and equipments.

#### 3.2. Document Review:

The committee reviewed all the related documents like electricity bills, original vouchers of the equipments and other documents which are available in the college.

#### 3.3. Utility Analysis:

The study also covers the energy utility in the college premises. It includes energy usage, energy demand and energy consumption pattern of the college.





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## MONTHLY ENERGY CONSERVATION IN THE COLLEGE

#### 5. Monthly energy consumption:

During 2022-23

Month	kWh	PF	Maximum demand (kVA)	Total current bill (Rs)
April-22	3173.39	0.99	25.92	32906
May-22	5066.5	0.99	32.9	48200
June-22	6467.43	0.99	34.84	59215
July-22	8077.28	0.99	39.0	75694
August-22	6348.71	0.99	43.65	67866
Sept-22	8504.4	0.998	44.26	85957
Oct-22	4405.28	0.997	36.09	44668
Nov-22	3081.37	0.995	17.28	33087
Dec-22	2696.52	0.98	15.6	30598
Jan-23				25997
Feb-23	2662.51	0.99	12.88	30014
March-23	3023.53	0.99	14.1	34282

circa.apdcl@gmail.com

The college has celebrated its Golden Jubilee during the month of September. 2022. The preparation for the grand celebration of the program has led to the increase in the consumption of electricity which is reflected in the monthly consumptions of June, 2022 to September, 2022. Other than that, the monthly consumption of energy is mostly lower compared to the previous year.

#### 6. Building-wise energy consumption in the college premises

### 6.1.College gate

Appliance	Power consumption
Light	96 W
Halogen	50 W
Fan	100 W

### 6.2.Canteen

Appliance	Power consumption
Light	54 W
Fan	1300 W
Aquaguard	100 W
Refrigerator	750 W
Water pump	1000 W





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### MONTHLY ENERGY CONSERVATION IN THE COLLEGE

Appliance	Power consumption
Light	162 W
Halogen	100 W
Fan	1400 W
Sound system	200 W

6.4.Office of the Principal

Appliance	Power consumption
Light	83 W
Sensor light	9 W
Fan	400 W
Air-conditioner	1000 W
Printer	30 W
Inverter	900 W

6.5.Office of the Accountant

Appliance	Power consumption
Light	55 W
Fan	300 W
Air-conditioner	1000 W
Xerox machine	1300 W

6.6.Office

Appliance	Power consumption
Light	112 W
Sensor light	9 W
Fan	600 W
Air-conditioner	2000 W
Computer	600 W
Printer	30 W

6.7. Teacher's Common Room

Appliance	Power consumption
Light	334 W
Sensor light	18 W
Fan	700 W
Aquaguard	19 W

6.8.IQAC Room

Appliance	Power consumption
Light	18 W
Fan	200 W
Air-conditioner	1000 W

6.9.Library

Appliance	Power consumption
Light	405 W
Fan	2900 W
Computer	1600 W
Water heater	1000 W
Xerox machine	1300 W
Sound system	200 W

Principal SONARI COLLEGE SONARI



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### MONTHLY ENERGY CONSERVATION IN THE COLLEGE

	Light	63 W
	Fan	400 W
	Computer	200 W
	Printer	30 W
6.11.	Student Union room	30 W
0.11.	Appliance	Power consumption
	Light	9 W
	Fan	100 W
6.12.		100 W
0.12.	Boy's Common Room	T 80
	Appliance	Power consumption
	Light	36 W
	Fan	400 W
6.13.	Girls' Common Room	1 -
	Appliance	Power consumption
	Light	54 W
	Fan	800 W
	Aquaguard	100 W
6.14.	Exam Zone	
	Appliance	Power consumption
	Light	117 W
	Fan	600 W
6.15.	KKHSOU centre	
	Appliance	Power consumption
	Light	45 W
	Fan	500 W
	Computer	200 W
	Printer	30 W
6.16.	Virtual Classroom	•
	Appliance	Power consumption
	Light	336 W
	Fan	600 W
	Air-conditioner	2000 W
6.17.	Computer science laboratory	2000 11
0.27.	Appliance	Power consumption
	Light	96 W
	Fan	700 W
	Air-conditioner	2000 W
	Computer	6400 W
6.18.		6400 W
0.18.	Department of Assamese	
	Appliance	Power consumption
	Light	18 W
	Fan	400 W
	Water heater	1000 W
6.19.	Department of English	
	Appliance	Power consumption
	Light	18 W
	Fan	200 W
6.20.	Department of Political Science	









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## MONTHLY ENERGY CONSERVATION IN THE COLLEGE

	Appliance	Power consumption
	Light	15 W
	Fan	100 W
.21.	Department of History	,
	Appliance	Power consumption
	Light	9 W
	Fan	100 W
22.	Department of Economics	
	Appliance	Power consumption
	Light	27 W
	Fan	400 W
	Projector	280 W
23.	Department of Education	•
	Appliance	Power consumption
	Light	18 W
	Fan	200 W
24.	Department of Botany	•
	Appliance	Power consumption
	Light	108 W
	Fan	600 W
	Refrigerator	750 W
25.	Department of Chemistry	
	Appliance	Power consumption
	Light	265 W
	Fan	900 W
	Refrigerator	750 W
26.	Department of Mathematics	•
	Appliance	Power consumption
	Light	18 W
	Fan	400 W
	Computer	2200 W
27.	Department of Physics	•
	Appliance	Power consumption
	Light	121 W
	Fan	1700 W
	Refrigerator	750 W
28.	Department of Zoology	•
	Appliance	Power consumption
	Light	189 W
	Fan	1300 W
	Refrigerator	750 W
29.	Classrooms	
	Appliance	Power consumption
	Light	689 W
	Fan	7900 W
	Sound system	200 W
30.	Tea Stall	
	Appliance	Power consumption









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### MONTHLY ENERGY CONSERVATION IN THE COLLEGE

Light	15 W
Fan	100 W
Electric heater	1500 W

6.31. Boy's Hostel

Appliance	Power consumption	
Light	225 W	
Fan	2500 W	
Aquaguard	19 W	
Water Pump	1000 W	

6.32. Girls' Hostel

Appliance	Power consumption	
Light	1377 W	
Fan	5700 W	
Aquaguard	19 W	
Water pump	2000 W	
Water heater	3000 W	

6.33. Ouarter of Warden, Girl's Hostel

Appliance	Power consumption	
Light	108 W	
Fan	800 W	
Inverter	900 W	
Refrigerator	750 W	

6.34. For general use

Appliance	Power consumption
Street Light	60 W
Water Pump	1000 W
Close Circuit Camera	200 W

The college has a total of 3 DG sets with cumulative load of 52 kW (2 sets with 20 kW and one with 12 kW) which are used during load shading from APDCL. There are also 3 sets of online UPS installed (two with 7.5 kVA capacity and one with 3 kVA capacity) in the Library, Computer Science Laboratory and the Mathematics department.

With a step towards a greener campus, the college premise also boasts of 8 solar street lights. Each of the solar street lights has power of 20-30 W. As was our goal, the college has also installed 4 sensor light bulbs in different parts of the campus.





CO-ORDINATOR CO-ORDINATOR ICA-C SONARI COLLEGE



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RECOMMENDATIONS OF THE ENERGY AUDIT: FOR IMPROVING ENERGY EFFICIENCY OF THE CAMPUS IT IS RECOMMENDED BY THE ENERGY AUDIT TO REPLACE THE CFL LIGHTS WITH LED LIGHTS, USE MOTION SENSOR LIGHTS, BETTER PRACTICES OFAC AND INSTALL SOLAR PANNELS.

### 7. Recommendations for Energy Savings

Based on the energy audit the followings have been recommended for improving energy efficiency of the campus.

7.1. Use of sensor: It is observed that there is no any Motion Sensors in Corridors and Toilets. All of us know that use of motion sensor in corridor areas and toilets can reduce energy consumption percentage. Motion sensors would detect the presence of any movement within its range which would trigger the power on/off system, thereby, helping in reducing undesired energy consumption. We have already progressing in this direction by installing 4 bulbs with motion sensors within campus.

- 7.2. Better Practices for A.C: Sonari College has a total of seven numbers of Air Conditioners. During the time of audit, it is observed that all are not running in regular manner. The college family uses the most of the air conditioners occasionally. Therefore, it is recommended that the air conditioners used should be 5-star rated air-conditioners.
- 7.3. It is seen that in some of the areas, 40 W FTL and CFLs have been used, so it is necessary to replace them with more efficient LED lights.
- 7.4. It is noticed that all water pumps are not properly submersible. So, it is important to submerse all the water pump equally especially at the underground level.
- 7.5. To reduce the energy consumption percentage of the college campus, it is necessary to plant solar system within the college campus.



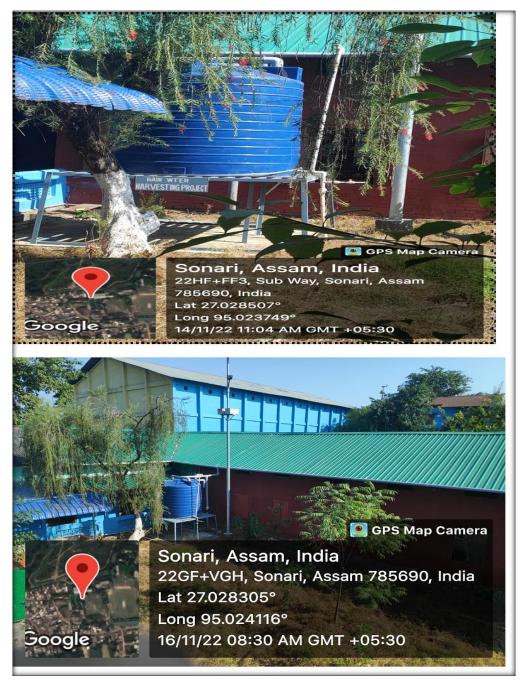


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# WATER CONSERVATION FACILITIES AVAILABLE IN THE INSTITUTION: RAIN WATER HARVESTING SYSTEM











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# WATER CONSERVATION FACILITIES AVAILABLE IN THE INSTITUTION: RAIN WATER HARVESTING SYSTEM



RAIN WATER FROM THE ASSAM TYPE BUILDING IS COLLECTED WITH THE HELP OF PIPES AND STORED IN THE HARVESTING TANK, WHICH IS THEN USED FOR WATERING THE GARDENS.

# TAP FACILITY FROM WHERE WATER IS USED FOR GARDENING AND OTHER PURPOSES.





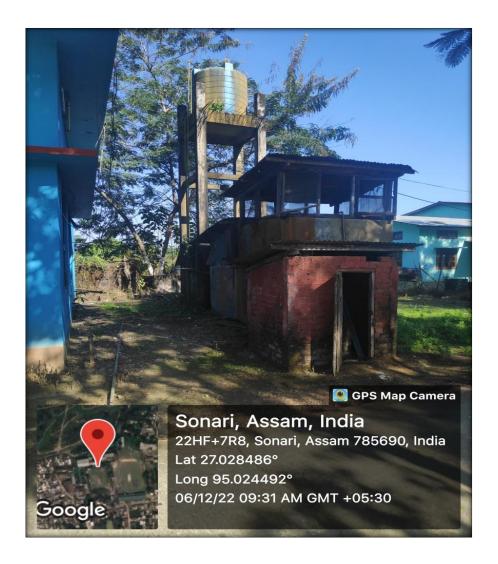


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### **BOREWELL AND WATER TANK**



### A BOREWELL AND WATER TANK IN THE COLLEGE CAMPUS





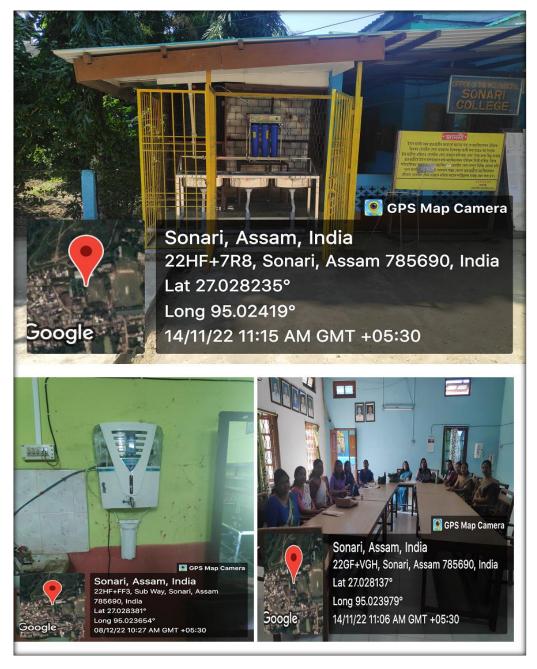


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### WATER PURIFIERS IN THE COLLEGE CAMPUS:











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### WATER PURIFIERS IN THE COLLEGE CAMPUS:



### WATER PURIFIER IN THETEACHER'S COMMON ROOM:









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### **CONDUCTION OFWATER AUDIT EVERY YEAR**

## Water Audit Report-2022



#### Prepared by:

Sri Jyoti Prasad Phukon (Advisor)

Dr. Paranan Konwar (Advisor)

Ms. Mridusmita Patowary (Convenor)

Dr. Bhenila Bailung (Member)

Ms. Kabyasri Hazarika (Member)

Sonari College Sonari, Charaideo-785690 (Assam)

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### **OBJECTIVES OFWATER AUDIT**

#### Introduction:

Water is a precious natural resource with fixed quantum of availability. With increasing population, the availability of water is decreasing. The fresh water demand is rising day-by-day with increasing living standards of people, urbanization, industrialization, etc. Along with rising demand, the discharge from increasing population, industrialization, etc. increases which is reducing the available ample quality water sources. Hence, Honorable Prime Minister Narendra Modi has declared the national mission on water conservation 'Jal Shakti Abhiyan' which main objective is to conserve every drop of water and suggesting in all sectors of water to conserve water use. Water audit can help in identifying the means of reducing, reusing and recycling of water. For an institute, water audit can be a highly effective tool to improve any inefficiencies in water consumption and use. The amount of fresh water on earth which is readily usable by human is less than 1 percent. Water conservation is necessary in order to both rehabilitate the nation rapidly degrading ecosystem and prepare for the impending emergency of shortage of even drinking and residential water. Water audit helps in reducing water losses, hence enhances water conservation practices.

### Objectives of Water Audit:

Preparing a baseline report on water conservation methods to reduce consumption, enhance quality and promote sustainable practices is the main goal of water audit. The specific objectives are:

- 1. To monitor the water consumption pattern and conservation in the college campus.
- To evaluate the amount of water usage, waste water generation, and how much of each has been reduced within the college campus.

### Water supply units in the college campus:

Water is the key driver for sustaining life on earth. The paucity of water and its security are growing concerns as a result of recent events in India and elsewhere in the world. Water management is therefore an essential element in sustainable development and has been incorporated into the sustainable development goals.

From the data collected for water audit, library, laboratory, principal's office, staff room, boys and girls common room, bathroom, garden and boys and girls hostels are the main sources of water uses in the college campus. The source of water supply in the college campus is ground water. There are two borewells which is digged 200 meters in the ground. Water in the college campus is stored at two overhead tanks of 500 litres and 1000 litres. Library of the college have a

2

tank with 5000 litres capacity. Storage of water in the girl's hostel is stored at three overhead tanks with two 5000 litres and one 10,000 litres.





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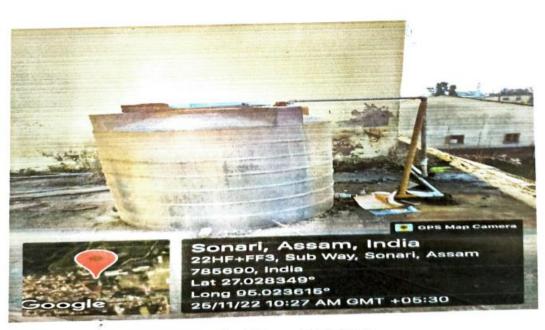


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### STORAGE OF WATER IN THE COLLEGE CAMPUS

Table 1: Storage of Water in the College Campus

Categories	Science Block	Girl's Hostel	Women's Hostel	Boy's Hostel	Canteen	Library
No. of Tanks	2	03	01	03	01	01
Tank Capacity (in liters)	5000 1000	5000 5000 10000	2000	1000 1000 500	500	5000
Duration of Filling of tanks (in hours)	1:30	1:30	1:00	1:00	1:00	1:30
No. of times tank is filled	01	02	02	01	01	01



Science Block Terrace Water Tank



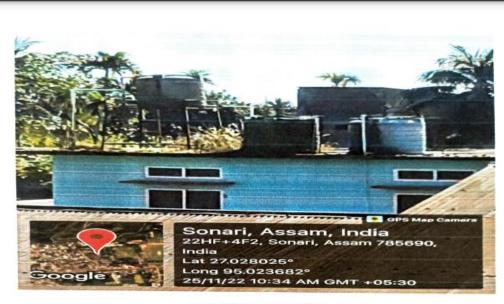


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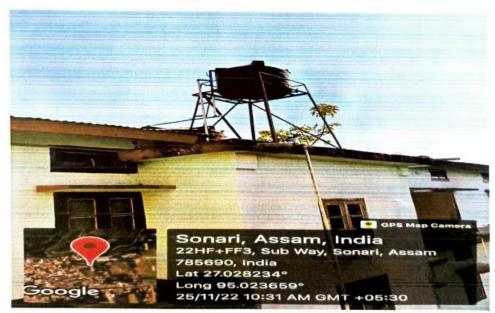


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### WATER TANKS IN THE COLLEGE CAMPUS



**Boy's Hostel Terrace Water Tank** 



Science Block Terrace Water Tank







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# NUMBER OF WATER TAPS AND PURIFIERS IN THE COLLEGE CAMPUS

The college premises have 117 numbers of taps in the college campus. The details are presented in the table below.

Table 2: Campus Taps and Locations for Water Use

Location of Taps		No. of Taps
Academic Block	Teacher's Common Room	Male Washroom-02
		Female Washroom-02
	Girl's Common Room	05
	Boy's Wash Room	01
	Physics Department	01
	Chemistry Laboratory	05
	Principal Office	02
	Conference Room	01
	Others	02
KKHSOU Block		01
Science Block	Chemistry Department	03
	IQAC	02
	Botany Department	03
	Mathematics Department	01
	Zoology Department	08
	Physics Laboratory	01
	Others	02
Girl's Hostel	Dining Hall	03
	Kitchen	02
	Bathroom (Ground Floor)	16
	Bathroom (First Floor)	16
	Extra Taps	05
	Warden's Room	06
Women's Hostel		12
Boy's Hostel		08
Canteen		04
Library		11
Total		121

Aqua guard and aqua plant facilities are available in the college premises.

Table 3: Purifiers/Filters in the College Campus

Location	No. of Purifiers/Filters
	01
Girl's Common Room	01
Teacher's Common Room	01
Physics Department	The state of the s
Near Vice-Principal's Office	01
Girl's Hostel	02
Boys Hostel	01

5





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## WATER AUDIT HELPS IN EFFICIENT UTILIZATION OF WATER AND MINIMIZE WASTAGE. IT IS THE MOST SCIENTIFIC METHOD OF CONSERVING WATER.

3. Water Sensors and other modern techniques can be used to save water.

#### Conclusion:

The most scientific method of water conservation is through water audit. Every person and organization is accountable for paying attention to the least amount of water wasted through their water distribution network, which is known as water audit. The water audit report aids in providing information on the college water resources and water saving practices. This report will help in utilizing the water resources more efficiently and conserve water resources by minimizing

#### Committee Members:

- Sri Jyoti Prasad Phukon (Advisor)
- Dr. Paranan Konwar (Advisor)

accom - Troti Insad Pongan

3. Ms. Mridusmita Patowary (Convenor)

4. Dr. Bhenila Bailung (Member)

5. Ms. Kabyasri Hazarika (Member)



Dr. Bimal Chandra Gogoi Principal incip Sonari College COLLE







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# SEMINAR CUM AWARENESS PROGRAMME ON RAIN WATER HARVESTING AND CONSERVATION 11-09-2019













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# MANAGEMENT OF VARIOUS TYPES OF DEGRADABLE AND NON-DEGRADABLEWASTE.

### SOLID WASTE MANAGEMENT- COLLECTION



DRY AND WET
WASTE
COLLECTION
BINS PLACED
ALL AROUND
THE COLLEGE
CAMPUS





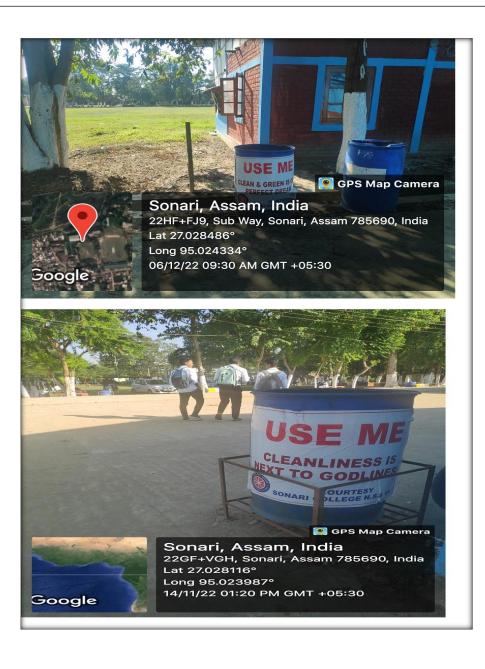




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# MANAGEMENT OF VARIOUS TYPES OF DEGRADABLE AND NON-DEGRADABLEWASTE.

### SOLID WASTE MANAGEMENT- COLLECTION



DRY AND WET
WASTE
COLLECTION
BINS PLACED
ALL AROUND
THE COLLEGE
CAMPUS









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### MANAGEMENT OF BIODEGRADABLE SOLID WASTE



Solid waste management by VERMICOMPOSTING process:

The College utilizes vermicomposting to manage organic solid wastes which is an eco-friendly and sustainable approach.

# ORGANIC WASTE AND DRY LEAVES OF TREES COLLECTED IS USED FOR VERMICOMPOSTING







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### MANAGEMENT OF BIODEGRADABLE SOLID WASTE



FIG: (A) VERMICOMPOSTING UNIT (B), (C), (D) AND (E) ARE FLOWER BEDS WHERE COMPOST IS USED.









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### MANAGEMENT OF BIODEGRADABLE SOLID WASTE

A vermicomposting unit has been set up in the college and production is under process. Organic waste collected from Hostel's kitchen and College Canteen is used for the process. Vermicompost obtained is used in manuring flower beds of the college garden.



In the near future the college will be self-reliant in compost and fertilizer needs and moreover will be able to start this low investment, economically feasible and environment friendly technology into a profitable business.









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# VERMICOMPOST PRODUCTION AND SELLING OF THE VERMICOMPOST

SONARI COLLEGE
Sonari, Dist. Charaideo (Assam)
Received with thanks Rs. 1501 (Du Lundre) Sifty
Shail Min Or
Verni-Compost PIST-ler & total on of
Rs 1501- Signature of Collector
Signature of Conector

Sonari, Dist. Ch	COLLEGE  Date 14/18/2013  Of- One Lindoned fifty
Shriv Miss. Chaly Can Class R Comprise - LAKS @157	of No. for forthmi  on grade  Signature of Collector





CO-ORDINATOR
IQAC
SONARI COLLEGE



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### MANAGEMENT OF NON-BIODEGRADABLE SOLID WASTE



# DISPOSAL OF NON-BIODEGRADABLE SOLID WASTE TO NOTIFIED MUNICIPAL COLLECTION CENTRE.





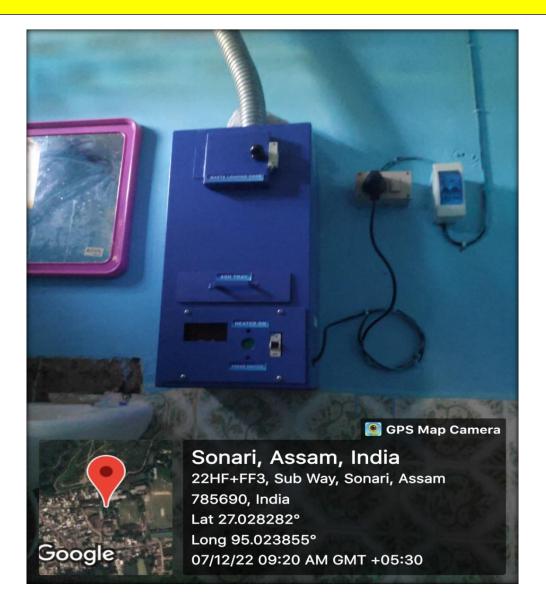


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### MANAGEMENT OF NON-BIODEGRADABLE SOLID WASTE



### INCINERATORS FOR DISPOSAL OF SANITARY NAPKINS



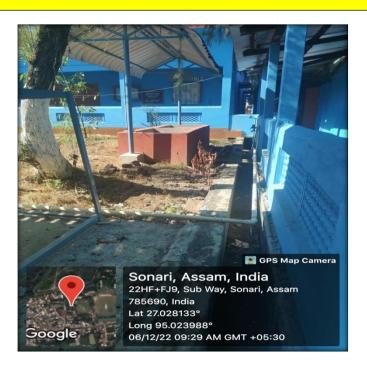






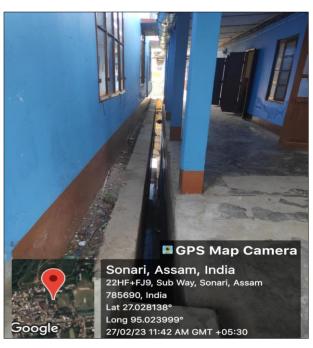
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### **LIQUID WASTE MANAGEMENT:**



WASTE WATER IS DISPOSED OFF THROUGH PROPER DRAINAGE SYSTEMS.













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### **E-WASTE MANAGEMENT:**



# E- GARBAGE OF THE COLLEGE IS BEING STORED BEFORE DISPOSAL









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#### AWARENESS ABOUT PROPER WASTE MANAGEMENT:



# NOTICE WARNING STUDENTS TO KEEP THE ENVIRONMENT CLEAN









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#### **AWARENESS ON BAN ON SINGLE USE PLASTICS:**



THERE IS BAN ON SINGLE USE PLASTICS IN THE COLLEGE CAMPUS.









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#### BAN ON USE OF PLASTIC



### DRINKING GLASSES ARE USED IN MEETINGS









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#### NOTICE TO IMPLEMENT BAN ON SINGLE USE PLASTICS- 2018



# SONARI COLLEGE

P.O.: Sonari, Dist.: Charaideo (Assam) PIN 785690 e-mail:principalsonaricollege@gmail.com Phone No .03772 256515(O)

Ref. No. .....

Date.....

Date 02/01/2018

#### Notice

This is an order to all Faculty Members, Non-teaching Staff and Students to keep the college premise neat and clean and Plastic Free Zone as well as maintain heathy environment and save the earth.

It is also notified to Ban on Single Use of Plastic within the college premise.

Therefore, all the Faculty Members, Non-teaching Staff and Students are asked to do accordingly and keep your college premise green and say no to plastic.

Principal,

Sonari College

Principal Sonari College Sonari



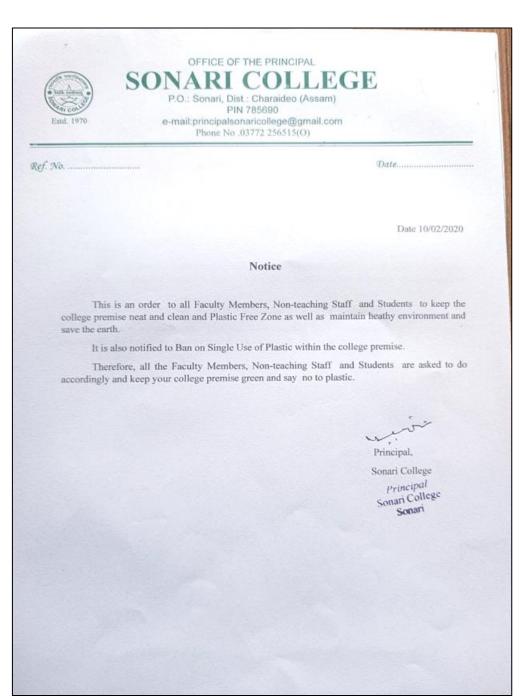


COORDINATOR
ICA.C
SONARI COLLEGE



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#### NOTICE TO IMPLEMENT BAN ON SINGLE USE PLASTICS- 2020







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IQA.C
IQA.C
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### **Affiliated to Dibrugarh University**

# MoU WITH SONARI MUNICIPALITY FOR SOLID AND E- WASTE MANAGEMENT





Memorandum of Understanding (MoU)

for

Solid and E-Waste Management

between

Sonari College, Sonari, Charaideo, Assam -785690

and

Sonari Municipality, Sonari Town, Charaideo, Assam -785690

Date: 15th December, 2022



(Dr. Bimal Ch. Gogoi) Principal Sonari College

Sonari Principal
SONARI COLLEGE
SONARI

(Sri Tilok Ch. Nebada Board Chaignaghan

Chaim and Sonari Municipality Sonari Town (Sri Mintoo Gogoi) Coordinator Sonari College Sonari

SONARI COLLEGE

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Principal SONARI COLLEGE SONARI



CO-ORDINATOR
IQAC
SONARI COLLEGE



### **Affiliated to Dibrugarh University**

# MoU WITH SONARI MUNICIPALITY FOR SOLID AND E- WASTE MANAGEMENT





Memorandum of Understanding (MoU) for Solid and E-Waste Management

between

Sonari College, Sonari, Charaideo, Assam -785690

and

Sonari Municipality, Sonari, Charaideo, Assam -785690

Date: 14th December, 2022



That, Sonari College, Sonari and Sonari Municipality, Sonari Town recognize their strength in Solid and E-waste management in different scopes and their mutual interest in engaging themselves in waste management cooperation.

That, Sonari College, Sonari and Sonari Municipality, Sonari Town therefore, mutually agree to cooperate in waste management in accordance with the terms and conditions set forth in this Memorandum of Understanding (MoU).

#### Objectives:

The objective is to facilitate collaboration between the two institutions, provide opportunity in Solid and E-waste management and to promote cleanliness on the basis of SWACHH BHARAT ABHIYAN, mutual benefit and good initiatives. Sonari College, Sonari and Sonari Municipality, Sonari Town agree on the following terms:

- Collection of Solid and E-waste from the college campus.
- Pavement sweeping on a regular basis including drain disiltation in the campus.
- To create public awareness regarding segregated disposal of waste, SWACHH BHARAT ABHIYAN through Popular-talk, Symposia and Workshop.

#### Tenure and Termination:

This MoU will be effective from the date it is signed by representatives of the two institutions. It will remain valid for 5 years and may be continued thereafter with suitable consideration and agreement.

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### MoU WITH SONARI MUNICIPALITY FOR SOLID AND E- WASTE **MANAGEMENT**

#### Coordination:

Each institution shall appoint one member from its administration preferably H the institution to be designated as Programme Coordinator to coordinate the programme on its behalf. Moreover, a committee consisting of the following members will monthly review and find out ways to strengthen cooperation between the two institutions.

- (a) The Principal, Sonari College, Sonari
- (b) The Chairman, Sonari Municipality, Sonari Town.
- (c) IQAC Coordinator, Sonari College
- (d) Programme Officer, NSS Unit, Sonari College.
- (e) Social Service Secretary, Sonari College Student Union

#### Arbitration:

In case of any dispute relating to any aspect of collaboration under this MoU, the Principal, Sonari College, Sonari and the Chairman, Sonari Municipality, Sonari Town will jointly resolve the dispute in a spirit of mutual respect and shared responsibility.

This MoU is hereby signed by the Heads of the respective institutions.

Dated the 15th December,2022

Palace : Sonari

(Dr. Bimal Ch. Gogoi)

Principal Sonari College

Daia

(Dr. Lucky Chetia)

Programme Officer

Sonari College NSS Unit Programme Offices

N. S. S. Unit Sonari College

Principal SONARI COLLEGE SONARI

Chairman

Sonari Municipal Record

(Sri Mintoo Gogoi)

Coordinator

Sonari College Sonari ORDINATOR

DAD

SONARI COLLEGE

Billweit Gugar

(Sri Biswajit Gogoi)

Social Service Secretary

Sonari College Student Union,2022

Sonari

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Principal SONARI COLLEGE





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#### CONDUCTION OF AWARENESS PROGRAMMES ON ENVIRONMENT



### National Webinar



**Waste management for Sustainable Development:** A few facets of Addressing a wicked problem

বহনক্ষম বিকাশৰ বাবে আৱৰ্জনাৰ ব্যৱস্থাপনাঃ এক দুষ্ট সমস্যাৰ মুখামুখিৰ কিছু উপাদান

Organised by

Swachchta Action Plan, N.G.C. (ASTEC) Sonari College, Sonari, Charaideo, Assam

In collaboration with

Dept. of Assamese & Zoology, Sonari College

Inaugurator



Resource Person



Dr. Bimal Ch. Gogoi Sonari College



Dr. Bhaskar Borgohain Professor & Head



Parthib Kashyap Sarma Project Scientist Dept. of Orthopedics Assam Science Technology & NEIGRIHMS, Shilong Environment Council

Joint Co-Ordinator



Dr. Raghunath Kagyung Associate professor & Head Dept. Assamese, Sonari College



Joint Co-Ordinator

Iyoti Prasad Phukon Asst. Professor Dept. Zoology, Sonari College



Asst. Cordinator

Phonindra Kr. Boruah Associate professor & Head Dept. Botany, Sonari College

Platform:

Teams App Date: 13 June, 2021

Time: 9:30 A.M.

Computer Instructor Mridupawan Gogoi

E - Certificate

Will be provided Contact No.: 9954363327, 8638226237

All are requested to join before 5 minutes of the Meeting Registration Link will be provided on 13 June, 2021 at 5:00 A.M.

### NATIONAL WEBINAR ON WASTE MANAGEMENT ORGANIZED ON 13-06-2021





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#### CONDUCTION OF AWARENESS PROGRAMMES ON ENVIRONMENT

# ৰত 'বহনক্ষম বিকাশৰ বাবে আৱজনাৰ

আৰু ইয়াৰ দৃষ্ট সমস্যাৰ মুখামুখিৰ উপাদান' শীৰ্যক এখনি ৰাষ্ট্ৰীয় পৰ্যায়ৰ ৱেবিনাৰ ১৩ জুন দেওবাৰে 'টীমছ্ এপ্' অনলাইনৰ যোগেদি অনুষ্ঠিত হয়। সোণাৰি মহাবিদ্যালয়ৰ অধ্যক্ষ বিমল চন্দ্র গগৈয়ে আনুষ্ঠানিকভাৱে শুভ উদ্বোধন কৰা ৱেবিনাৰখনৰ মুখ্য সমল ব্যক্তি হিচাপে

দৈনন্দিন ৰাৰ্তাৰ সেৱা, সোণাৰি, ১৪ জুন ঃ অংশগ্ৰহণ কৰে আন্তঃৰাষ্ট্ৰীয় বিজ্ঞানী, দেশৰ টেকন'লজী এণ্ড এনভাইৰনমেণ্ট কাউন্সিল'ৰ উজনি অসমৰ আগশাৰীৰ উচ্চ শিক্ষাৰ অনুষ্ঠান খ্যাতনামা অস্থি চিকিৎসক, মেঘালয়ৰ শ্বিলাস্থিত পৰিকল্পনা বিজ্ঞানী পাৰ্থিৱ কাশ্যপ শৰ্মায়ো আনগৰাকী সমল ব্যক্তি 'অসম ছাই ল সমন্বয়ক ড' ৰখনাথ কাগয়ং।

সোণাৰি মহাবিদ্যালয়ৰ "স্বচ্ছতা একছন ফ্লেন, 'দেখিমছ'ৰ অন্থি চিকিৎসা বিভাগৰ প্ৰাধ্যাপক সাৱলীল বক্ততা প্ৰদান কৰি সকলোকৈ আণ্ড এন.জি.চি.(এছটেক)ৰ উদ্যোগত মহাবিদ্যালয়ৰ আৰু বিভাগীয় প্ৰধান ডাঃ ভাস্কৰ বৰগোহাঁই। কৰে। সোণাৰি মহাবিদ্যালয়ৰ উপাধ্যক্ষ দিলীপ অসমীয়া আৰু প্ৰাণী বিজ্ঞান বিভাগৰ সহযোগত তেওঁ বহনক্ষম বিকাশ, সম্প্ৰতি আৱৰ্জনাৰ ৰঞ্জন বৰুৱাইও বিষয়টোৰ সমাক আলোচনা কৈ 'বহনক্ষম বিকাশৰ বাবে আৱৰ্জনাৰ ব্যৱস্থাপনা ব্যৱস্থাপনাৰ ৰং-ৰূপে, ইয়াৰ অনাকাংক্ষিত- আগবঢ়ায়। বেবিনাৰখনৰ যুটীয়া সমন্ত্ৰয়ক অনাচ্ছিক উপাদানসমূহৰ বিষয়ে তত্ত্বাৰু অধ্যাপক জ্যোতিপ্ৰসাদ ফুকনে আদৰণি ভাষণ তথ্যসহকাৰে দাঙি ধৰি ভাৰতৰ বিভিন্ন প্ৰদান কৰা সভাখনৰ পৰিকল্পনা অধ্যাপক বিশ্ববিদ্যালয় আৰু মহাবিদ্যালয়ৰ শতাধিক ফণীন্ত্ৰ কুমাৰ বৰুৱাৰ আৰু শলাগৰ শৰাই অংশগ্ৰহণকাৰী অধ্যাপক-অধ্যাপিকা, গৱেষক- আগবঢ়োৱাৰ লগতে ৰাষ্ট্ৰীয় ৱেবিনাৰখনৰ গৱেষিকা আৰু ছাত্ৰ-ছাত্ৰীক আকৰ্ষিত কৰে। সামগ্ৰিক আঁত ধৰে ৱেবিনাৰখনৰ অন্যতম

क्रिक्र का निर्माणका विकास के निर्माणका व

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### NEWS PAPER SNAPSHOT OF NATIONAL WEBINAR -" WASTE MANAGEMENT FOR SUSTAINABLDEVELOPMENT: A FEW FACETS OF ADDRESSING A WICKED PROBLEM"







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#### CONDUCTION OF AWARENESS PROGRAMMES ON ENVIRONMENT



# NATIONAL WEBINAR ON ENVIRONMENT, HEALTH AND HYGIENE DURING COVID PANDEMIC









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### CONDUCTION OF AWARENESS PROGRAMMES ON ENVIRONMENT





NEWS PAPER SNAPSHOT
OF NATIONAL WEBINAR
ON ENVIRONMENT,
HEALTH AND HYGIENE
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PANDEMIC









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#### CONDUCTION OF AWARENESS PROGRAMMES ON ENVIRONMENT



# NATIONAL WEBINAR ON BAN ON SINGLE USED PLASTICS AND CONSERVATION OF WATER RESOURCES







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# STUDENTS PROMOTING AWARENESS ON ENVIRONMENTAL ISSUES





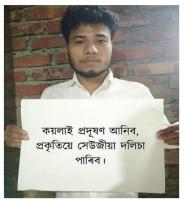
















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### SONARI COLLEGE

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#### **Best Practice 2:**

1. Title: Bihu Adoroni (Traditional Cultural Programme on the eve of spring season)

#### 2. Objectives of the practice:

- To gather people of different communities, caste, racial background, to **establish positive attitude and sensitizes them** for communal harmony and exchange of culture.
- **3. The Context:** The College Authority and the Assamese Department jointly organises the folk culture Bihu Adoroni, on the eve of Rongali Bihu, every year in a stipulated day for cultural exchange and promote harmony among different communities and students.

#### 4. The Practice:

In Bihu Adoroni programme all different communities and indigenous, ethnic groups residing in the area are invited to participate, share their views and cultural identity. special cultural programmes to be focussed among the people Majority of the surrounding people are of Tea garden community. So, they are requested to perform their specific cultural identity as to be energised all community of the locality. Likewise,. The people of the area who are working as cultural activists take part and exchange their views for the integrity among the communities and they are felicitated on the event.

#### **5.** Evidence of Success:

The practice and the event create awareness among all the community regarding cultural exchange and communal harmony. This area carries a rich cultural heritage and this type of programmes help to maintain, promote and protect the culture and social harmony.





COORDINATOR
ICA.C
SONARI COLLEGE



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#### 6. Problems Encountered and Resources Required:

As per observation and evidence, this cultural event is under threat due to globalisation. It is noted that due to globalisation small ethnic groups and their cultural identities are on the verge of extinction. It is our sincere effort to sensitize, protect and promote their folk culture. Despite the financial constraints, the active participation of all students and staff, make the programme successful.









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### **RONGALI BIHU ADORONI CELEBRATION - 2018**













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#### **RONGALI BIHU ADORONI CELEBRATION - 2018**



INAUGURATION OF "AADHAR" AN ANNUAL RESEARCH, ACADEMIC AND CREATIVE MAGAZINE ON THE OCCASION



INAUGURATION OF THE WALL MAGAZINE ON THE OCCASION





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### **RONGALI BIHU ADORONI CELEBRATION - 2022**



BIHU ADORONI (TRADITIONAL CULTURAL PROGRAMME ON THE EVE OF SPRING SEASON) WAS CELEBRATED ON 19.04.22.

INAGURATION OF THE SONARI COLLEGE ASSAMESE CALENDAR AND ANNUAL MAGAZINE AADHAR









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### **RONGALI BIHU ADORONI CELEBRATION - 2022**





BIHU DANCE, JHUMUR DANCE IN RONGALI BIHU ADORONI CELEBRATION -  $19^{\mathrm{TH}}$  APRIL 2022







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### **RONGALI BIHU ADORONI CELEBRATION - 2022**



INAUGURATION OF THE WALL MAGAZINE "BOTORA" ON THE OCCASION





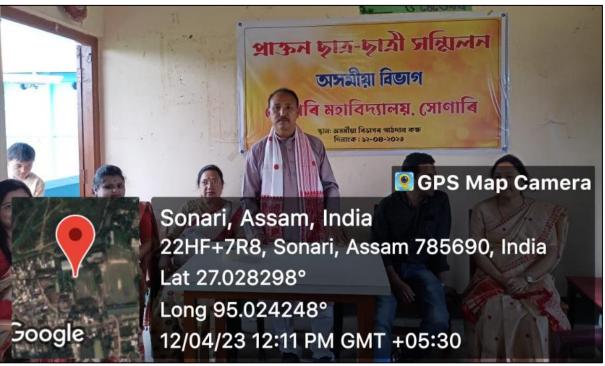




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### **RONGALI BIHU ADORONI CELEBRATION - 2023**













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### TRADITIONAL CULTURAL PROGRAMME ON BIHU ADORONI













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A SMALL TRADITIONAL FEAST ARRANGED ON BIHU ADORONI 12-04-2023









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### **CULTURAL PROGRAMME ON BIHU ADORONI BY LOCAL ARTISTS**









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INAUGURATION OF THE ASSAMES E CALENDAR AND ANNUAL MAGAZINE AADHAR 0N 12-04-2023





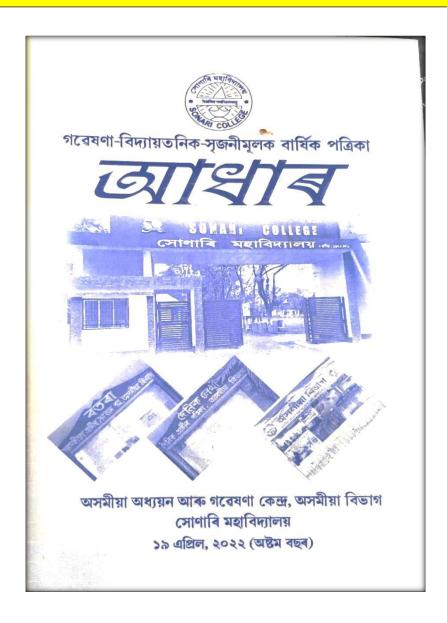


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"AADHAR" AN ANNUAL RESEARCH, ACADEMIC AND CREATIVE MAGAZINE IS PUBLISHED BY THE CENTRE FOR ASSAMESE STUDIES AND RESEARCH, ASSAMESE DEPARTMENT ON THE EVE OF BIHU CELEBRATION.







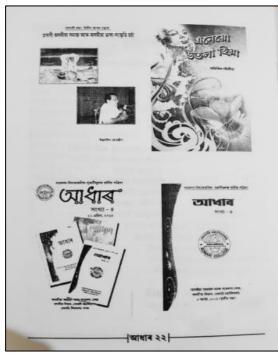




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#### THE DIFFERENT EDITIONS OF "AADHAR" PUBLISHED





>>.৪ 'আখাৰ' 'আধাৰ' অসমীয়া বিভাগৰ দ্বাৰা প্ৰকাশ কৰ 'গৱেষণা–বিদ্যায়তনিক–সূজনীমূলক বার্ষিক পত্রিকা।' এই পত্ৰিকাখন বছৰি এটা সংখ্যা প্ৰকাশ কৰা হয়। ছাত্ৰ-ছাত্ৰী আৰু শিক্ষকসকলৰ লেখা এই আলোচনীখনত প্ৰকাশ কৰ হয়। 'আধাৰ'ৰ প্ৰথম সংখ্যা(প্ৰথম বছৰ)টো প্ৰকাশ পায় ২০১২ চনৰ ২৭ জুলাই। ২০২২ চনত 'আধাৰ' নামৰ এই আলোচনীখনে অন্তম বছৰ অতিক্ৰম কৰে। 'আধাৰ'ৰ মূল তথ্যসমূহ তলত দাঙি ধৰা হ'ল-ক্রঃ নং সংখ্যা বছৰ সম্পাদকৰ নাম প্রথম ৰঘুনাথ কাগ্যুং ৰীতা দত্ত আৰু পদ্মকুমাৰী গগৈ দ্বিতীয় ২য় ভৱেশ গগৈ তৃতীয় ৩য় বিদ্যুৎ বিকাশ চেতিয়া চতুৰ্থ ৪থ সোণমণি পগাগ্ পথায় ৫ম সমীৰণ বৰগোহাঁই যঠ ७ के দ্বীপজ্যোতি গগৈ দ্বীপজ্যোতি প্রধান সপ্তম न आ সুস্মিতা গগৈ অন্তম সামূহিক প্রচেম্ভা









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"SONARI COLLEGE ASSAMESE CALENDAR" IS PUBLISHED BY
THE CENTRE FOR ASSAMESE STUDIES AND RESEARCH,
ASSAMESE DEPARTMENT AND IS RELEASED ON THE EVE OF BIHU
CELEBRATION.







