

# Responses for Green Schools Programme Audit 2016

School Name: Namong Arithang JHS

Address: P.O Pabyuk, East Sikkim, Gangtok, East

District, Sikkim, India

Coordinator Name: Prerna Rai



# Green Schools Programme

## Centre for Science and Environment

41, Tughlakabad Institutional Area, New Delhi. India - 110062
Tel: +91-11 29955124, 29956110, 40616000
http://www.greenschoolsprogramme.org/

# **SCHOOL PROFILE**

Name of the School / Institu	tion
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Namong Arithang JHS

2 Address

P.O Pabyuk, East Sikkim, Gangtok, East District, Sikkim, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 03592 (NUMBER) 231639

4 Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9832044445

5 Principal Name

Ugen Gyatso Bhutia

6 GSP Coordinator Name

Prerna Rai

GSP Coordinator Email

Prerna.rai@yahoo.com

GSP Coordinator Mobile Number

(ISD)91 (Number) 9800072310

Category Of The School

Day Scholar

School Shifts

Evening

# **GENERAL QUESTIONS**

How many levels does your school have?

Lowest level of grade:1 Highest level of grade:8

ls your school single gender or mixed gender?

Mixed/Co-education

Which board of education does the school follow?

Central Board of Secondary Education

Total permanent population of the school

	Male	Female	Total
Students	48	44	92
Teachers	11	5	16
Non-Teaching Staff	1	0	1
TOTAL	60	49	109

4(b) How many visitors visit your school

1

What is the total number of working days of your school in a year?

232

6 Month(s) in which the GSP audit was carried out?

Sep

Where is the school located?

Rural Area



# Task 1: Air Audit Team

#### **Teachers**

Sno.	Name	Email
1.	Prerna Rai	Prerna Rai

### **Administrative staff**

Sno.	Name	Email
1.	Suneeti Deokota	suneeti.deokota@yahoo.com

#### **Students**

Sno.	Name	Email	Grade/Class
1.	Prashant Subba		7
2.	Priya Chettri		7
3.	Kusum Rai		7
4.	Parina Rai		7
5.	Sabita Subba		7

# Task 2: Are the rooms in your school well-ventilated?

1 How many classrooms does your school have?

9

Window-floor ratio of classrooms in the school.

Details of the classroom (e.g. Class II section b)	X = Area of floor (LxB)	Y = Area of openings (LxH)	Percentage of the floor area being ventilated (Y/X x 100)
1	29.77	5.25	17.64
2	30.91	5.25	16.98
3	31.14	5.25	16.86
4	31.14	5.25	16.86
5	30.91	5.25	16.98

6	31.14	5.25	16.86
1	31.14	5.25	10.00
8	32.26	4.87	15.10
bhutia class	15.00	4.61	30.73
			0.00
TOTAL	263.41	46.23	

# Task 3: How eco-friendly are the vehicles in your school?

What is the ownership used by the vehicles used in your school? Please choose what is applicable?

School does not use or own vehicles

## Task 4: How do you travel to school every day?

How many members of the school community use each type of transport:

	Students	Teaching Staff	Non Teaching Staff	Total
Schoool Bus	0	0	0	0
Public Bus	0	0	0	0
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	0	0	0	0
Taxi four-wheeler	0	9	0	9
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	4	0	4
Personal two-wheeler	0	0	0	0
Bicycle	0	0	0	0
On foot	92	4	0	96
Others (non-motorised)	0	0	0	0
SUB-TOTAL	92	17	0	109

Task 5: How good is the air you breathe in your school?

How many students suffer from respiratory ailments?

0

Does the school laboratory have air quality monitoring equipment?

No

No

No documents uploaded by the school.

6(a) If No, is there an air quality monitoring station (private or government) close to your school?



## **ENERGY**

# **Task 1: Energy Audit Team**

#### **Teachers**

Sno.	Name	Email
1.	Abhinav Subba	abhinavsubbaace@gmail.com
2.	Sanjay Gurung	Sunjoygooroong@gmail.com

#### **Administrative staff**

Sno.	Name	Email
1.	Pema W. Bhutia	pemawangyal18@gmail.com

#### **Students**

Sno.	Name	Email	Grade/Class
1.	Phur Lhamu Sherpa		5
2.	Manisha Thapa		8
3.	Akriti Rai		7
4.	Shalom Subba		7
5.	Lalit Chettri		7

## Task 2: How much energy does your school consume?

Does your school have access to an electricity bill?

No

No documents uploaded by the school.

Does your school have its own vehicles?

No

Provide the details of total energy consumed by the school

Quantity consumed/monthly Energy consumed in Type of average Megajoules (MJ) use

Electricity from the board (kwh)	0.00	0.00	0
Electricity from generator (diesel) (litres)	0.00	0.00	0
Petrol (litres)	0.00	0.00	0
Diesel (litres)	0.00	0.00	0
CNG (kilogrammes)	0.00	0.00	0
Kerosene (litres)	0.00	0.00	0
Coal (kilogrammes)	0.00	0.00	0
Wood (kilogrammes)	30	528.00	1
Animal waste (kilogrammes)	0.00	0.00	0
Solar (kwh)	0.00	0.00	0
Wind (kwh)	0.00	0.00	0
LPG (kilogrammes)	14.2	732.72	1
Piped Natural Gas (kilogrammes)	0.00	0.00	0
TOTAL	44.20	1260.72	

No documents uploaded by the school.

# What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	N.A	0	0
Refrigerator	N.A	0	0
Microwave	N.A	0	0
Tube Lights	N.A	0	0
CFL Bulbs	N.A	0	0
LED Lights	N.A	0	0
Fans	N.A	0	0

No documents uploaded by the school.

# Task 3: Is your school using any renewable sources of energy?

What is the average number of sunny days in your area?

120

Are there any alternate sources of energy employed/ installed in your school?

No

No documents uploaded by the school for energy chapter.



## **Task 1: Food Audit Team**

#### **Teachers**

Sno.	Name	Email
1.	Beena Dewan	binadewan3@gmail.com
2.	Prerna Rai	prerna.rai@yahoo.com

#### **Administrative staff**

Sno.	Name	Email
1.	Lalita Pariyar	7908224254lalita@gmail.com

#### **Students**

Sno.	Name	Email	Grade/Class
1.	Prakash Subba		6
2.	Vivek Subba		6
3.	Padam Chettri		7
4.	Rewash Rai		8
5.	Sang Lhamu Sherpa		8

## Task 2: Find out about the food service in your school.

Does your school have a provision/space to sell packaged food items within the campus

No

Does your school serve midday meals?

Yes

No documents uploaded by the school.

# Task 3: What kind of food is served/sold in your school

What kind of food is being served / sold in your school

	Please count all flavours/variants available in the school canteen separately	Total number of items sold in a month in the canteen	Month the food items were sold in
Savoury snacks and similar packaged food like chips, Kurkure, Cheetos, potato crisps, corn snacks, nuts and seeds, etc	0	0	0
Instant Noodles like Knorr, Cup-a- noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	0	0
Potato fries and Burgers	0	0	0
Confectionery items (chocolate, candies, gums)	0	0	0
Ice-cream	0	0	0
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	0	0	0
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	0	0	0
Packaged/Bottled Energy Drinks	0	0	0

No documents uploaded by the school.



No

Does your school serve traditional Indian beverages?

No

# Task 4: What kind of food does your school promote?

Does the school distribute packaged food items as rewards during schools events?

Does the school distribute chocolates/similar products as refreshments during schools events?

Yes

No

7(a) Please provide the names?

Mentos, Center Fresh, Eclairs, Kopiko, Cream fills

Are your school events such as quiz shows, talent shows, debates sponsored by food companies/brands?

No

No documents uploaded by the school.



## **Task 1: Land Audit Team**

### **Teachers**

Sno.	Name	Email
1.	Prerna Rai	prerna.rai@yahoo.com
2.	Abhinav Subba	Abhinavsubbaace@gmail.com

### **Administrative staff**

Sno.	Name	Email
1.	Gopal Khatri	Gopal.khatri@gmail.com

### **Students**

Sno.	Name	Email	Grade/Class
1.	Indralall basnett		8
2.	Rahul Subba		8
3.	Anushka		6
4.	Shabnam Rai		6
5.	Meena Kumari Rai		7

# Task 2: Measure the four critical areas of your school campus

## Complete the table:

	Your school's area
Site area in square meter (m2)	402
Ground coverage area	402
Green landscaped area on-ground	0
Surface parking area	0
Play area that is paved/ concrete on ground	0
Play area that has grass on ground	0
Service Area on ground	0

Roof and terrace area	402
Green cover on exposed roof & terrace	0
Total built up/constructed area	804
Total no. of floors	2
Others	0

# Task 3: Explore the number of species of plants and animals in your school

How many species of plants and animals exist in your school?

	Native	Exotic	Total
Plants	10	0	10
Animals	05	0	5

# Task 4: Find out if your school uses pesticides

Do you use chemical based pesticides in your school green cover?

No

No documents uploaded by the school.



# WATER

## Task 1: Water Audit Team

### **Teachers**

Sno.	Name	Email
1.	Prerna Rai	Prerna.rai@yahoo.com

## **Administrative staff**

Sno.	Name	Email		
1.	Phup Tshering Tamang	Phytonzon@gmail.com		

### **Students**

Sno.	Name	Email	Grade/Class
1.	Ongmit Lepcha		5
2.	Abhishek Chettri		7
3.	Sharmila Rai		7
4.	Pabitra Chettri		8
5.	Angel Subba		5
6.	Shanti Manger		6

# Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	90
Toilet flushing	300
Personal cleaning	150
Washing clothes	0
Cooking	20
Cleaning Utensils	60
Washing Vegetables	10

Mopping floors	10
Gardening	30
Total	670

# Task 3: What are the sources, supply and storage of water in your school

Where does the water your school uses, come from?

Surface water

Who supplies the water in your school?

Public Health Engineering Department (PHED)

Does your school get daily water supply?

Yes

4(a) If supply of water is daily, please tick the correct option

19-24 hours

# Task 4: What are the water conservation practices followed in your school?

What are the water conservation practices your school follows.

	Yes / No
Does your school have any water and sanitation policy?	No
If your school has an eco-club, do they have water component?	No
Do all tanks in the school have float valves installed to stop overflow?	No
Do the drinking water points have spill proof taps to check overflow?	No
Does your school use appliances with a quick-wash setting?	No
Are dual flush systems installed in the toilets?	No
Does your school encourage bottled water for drinking water?	No
Does your school grow local plant species which require limited amount of water to grow?	Yes
Has your school initiated any water conservation steps in the school or outside, in the past one year?	No
Does your school use a drip or irrigation system?	No

No

No documents uploaded by the school.

## Task 5: Does your school harvest rainwater?

Do you have Rainwater harvesting (RWH) system in your school?

No

6(a) Calculate your school's rainwater harvesting potential (in litres).

1

## Task 6: Are the plumbing and sanitation facilities in your school adequate?

Please share details about sanitation and hygiene practices in your school.

	Yes / No
Does the school have separate toilets for males and females?	Yes
Are there sufficient toilets for women in your school?	Yes
Are there sufficient toilets for men in your school?	Yes
Are the toilets accessible and safe to use for children?	Yes
Are the toilets accessible and safe to use for differently abled children?	Yes
Are the toilets accessible and safe to use for differently abled staff (teaching and non-teaching)?	Yes
Are the toilets situated in the right location in terms of privacy and safety?	Yes
Is there sufficient light during day time?	Yes

How many drinking water taps do you have?

1

9 How many hand pumps do you have?

0

How many ablution taps (taps used for washing hands only) do you have?

0

How many water closets (used for defecation and urination) do you have?.

	Girls	Boys	Common	Total
Number of toilets	1	1	1	3

## Task 7: Does your school reuse/recycle waste water?

Does your school treat wastewater?

No

Once a day

Does your school reuse the treated wastewater?

No

18(a) Please specify the fate of wastewater

Wastewater flows directly to the drains

No documents uploaded by the school.



## **Task 1: Waste Audit Team**

#### **Teachers**

Sno.	Name	Email
1.	Sherap W Bhutia	Sherabbhutua@gmail.com
2.	Chimee Bhutia	Chimeela@yahoo.com

### **Administrative staff**

Sno.	Name	Email		
1.	D.B Rai	Dbrai703@gmail.com		

### **Students**

Sno.	Name	Email	Grade/Class
1.	Sushmita Subba		8
2.	Amina Rai		8
3.	Dechen Sherpa		8
4.	Priya Subba		8
5.	Karma Zigmee Bhutia		8
6.	Nima Wangdi Bhutia		8

# Task 2: What is the waste segregation system in your school?

Does your school segregate solid waste?

No

Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	9	0	9	0	0
Playgrounds	1	0	1	0	0
Common area (e.g. reception, corridors)	1	0	1	0	0

Staffroom	1	0	1	0	0
Laboratory	1	0	1	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	0	0	0	0	0
Toilets	0	0	0	0	0
Others	0	0	0	0	0
Total	13	0	13	0	0

## **Supporting Documents**

- 1. namong arithang 3.jpg
- 2. namong arithang 4.jpg

Task 3: How much waste does your school generate?

Determine the quantity of waste generated in your school. (in kilogram)

	Collection per month (Frequency may differ)
Garden/ horticulture waste	2
Kitchen waste	60
Paper	30
Plastic	40
Wood, glass, metal, classroom furniture	5
E-waste	0
Biomedical waste	0
Sanitary waste	7
Construction and Demolition (C & D) waste	50
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	194

No documents uploaded by the school.

## Task 4: How much waste does your school recycle/treat?

Does your school recycle any generated waste?

No

Does your school have a composting facility?

No

Does your school encourage students & teachers to reuse textbooks?

Yes

Table to understand whether internal or external waste recycling procedures are applied to waste.

	Local kabadiwala (the scrap collector)	Authorised dealer	Dumped at a designated community site	Internal procedure
Paper (e.g., used notebooks, used examination paper, subscription newspaper and magazines)	✓	×	×	×
Plastic (e.g. plastic bottles)	×	×	<b>✓</b>	×
Horticultural waste	×	×	<b>⋞</b>	×
E-waste (e.g. broken, unusable computers)	×	×	✓	×
Hazardous waste (e.g. diesel fuel, battery)	×	×	✓.	×
Wood,glass, metal scrap, other scrap	×	×	✓.	×
Biomedical waste (e.g. waste from Nurse's room in school, e.g. band-aids, syringe)	×	~	×	×

No documents uploaded by the school.

Task 5: How does your school dispose waste?

What is the final destination for waste that is disposed of externally?

Open dumping

No documents uploaded by the school.

9

Does your school burn waste?

Yes

## **Supporting Documents**

1. namong arithang 7.jpg

9a Where does your school burn waste?

Outside the school

9b What kind of waste is being burnt/ incinerated?

Paper

Does your school have the following? If yes, please give the numbers.

	Total	Working conditions	Non-working condition
TVs	0	0	0
VCR or DVD players	0	0	0
Refrigerators and freezers	0	0	0
Washing machines	0	0	0
Air conditioners	0	0	0
Heaters	0	0	0
Microwaves	0	0	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	1	1	0

Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	1	1	0
Copying equipment (Photocopiers)	0	0	0
Projectors	0	0	0
Whiteboards	2	2	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	0	0	0
Pay telephones	0	0	0
Mobiles	0	0	0
Answering systems	0	0	0

## **Supporting Documents**

1. namong arithang 2.jpg

Do you know that your E-waste can be collected by an authorised dealer or dismantler?

Yes

No documents uploaded by the school.

Who collects your e-waste, when not in working condition?

Taken back by manufacturer

Task 6: School's initiatives

Does the school have a policy on waste?

No

3 /11

Are there awareness drives with regard to Reduce, Recycle and Reuse?

Yes

No documents uploaded by the school.

What form do these awareness drives take?

As part of the curriculum

Is the study of the environment integrated into the curriculum?

Yes

## **Supporting Documents**

- 1. namong arithang 6.jpg
- 2. namong arithang 8.jpg
- 3. namong arithang 11.jpg
- 4. namong arithang 12.jpg



## **FEEDBACK**

1	Has your school participated in the Green Schools Programme (GSP) Audit before?

No

Have teachers from your school participated in teacher interactive workshops organized by the GSP team?

No

Did you find the online information relevant to your environmental education activities?

Yes

Was the audit easy-to-understand and self-explanatory?

Yes

Did you understand the present format of the GSP?

Yes

Do you think your school will be a Green School (resource efficient) by 2019?

Yes

What would be the help required to make your school a Green School?

None

How would you rate the overall design of the audit?

Aspect	Good / Average /Bad
Content	Good
Distribution of time among tasks	Good
Sequencing of tasks	Good
Orientation for conducting tasks	Average

Would your school like to recommend any topic/s that you strongly feel should be added or deleted in the audit?

No

Twice

Water being the focus this year, did you find the questionnaire in Water section helpful to make your school understand how to become water efficient?

Yes

Did your students enjoy doing the Water activities?

How many students were involved in the activities?

### **Checklist of uploaded documents**

6.00

- 1. Picture of Mid-day meal being served
- 2. Pictures of dustbins in classroom showing segregation at source
- 3. Pictures of playground with more than two dustbins
- 4. Picture of types of solid waste generated
- 5. Pictures of burning waste
- 6. Pictures of Electronic items used by school and storage of non-working electronic items