



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: RAKDONG TINTEK JR.HIGH SCHOOL
Address: P.O RAKDONG, RAKDONG, Gangtok,
East District, Sikkim, India
Coordinator Name: Pawan Ghimirey



AIR



ENERGY



FOOD



LAND



WATER



WASTE

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

1

Name of the School / Institution

RAKDONG TINTEK JR.HIGH SCHOOL

2

Address

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

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 3592 (NUMBER) 000000

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9732128408

5

Principal Name

N.B.Chhetri

6

GSP Coordinator Name

Pawan Ghimirey

7

GSP Coordinator Email

pawanghimirey21@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9593789599

9

Category Of The School

Day Scholar

10

School Shifts

Both

GENERAL QUESTIONS

1

How many levels does your school have?

Lowest level of grade:1

Highest level of grade:8

2

Is your school single gender or mixed gender?

Mixed/Co-education

3

Which board of education does the school follow?

Central Board of Secondary Education

4

Total permanent population of the school

	Male	Female	Total
Students	38	53	91
Teachers	15	5	20
Non-Teaching Staff	2	3	5
TOTAL	55	61	116

4(b)

How many visitors visit your school

50

5

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

233

6

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

Oct

7

Where is the school located?

Rural Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Mrs Aruna Pradhan	Mrs Aruna Pradhan
2.	Mr. Tashi Lepcha	tashilepcha@gmail.com

Administrative staff

Sno.	Name	Email
1.	Mr. N.B Chettri	narenchettri28@gmail.com
2.	Mr. K.K Rai	--

Students

Sno.	Name	Email	Grade/Class
1.	Sujal Chettri	--	8
2.	Pritika Sharma	--	6
3.	Mar Tshering Lepcha	-	8
4.	Kalpana Subba	--	6
5.	Manu Hangma Subba	--	8

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

1 How many classrooms does your school have?

10

2 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)
Class VIII	30.00	2.51	8.36
Class VII	30.00	2.51	8.36
Class VI	29.72	2.51	8.44
Class V	29.72	1.25	4.22

Class IV	13.37	1.25	9.38
Class III	13.37	1.25	9.38
Class II	13.37	1.25	9.38
Class I	11.89	1.25	10.55
LKG-UKG	29.72	2.51	8.44
Reading corner	30.00	2.51	8.36
TOTAL	231.16	18.81	

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

3

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

Operator-owned vehicles

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

4

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

	Students	Teaching Staff	Non Teaching Staff	Total
School Bus	00	00	00	0
Public Bus	00	00	00	0
School Transport(Other than bus)	00	00	00	0
Public transport (other than bus, Metro, car pool)	00	00	00	0
Taxi four-wheeler	00	02	00	2
Taxi three-wheeler	00	00	00	0
Personal four-wheeler	00	01	00	1
Personal two-wheeler	00	00	00	0
Bicycle	00	01	00	1
On foot	91	16	5	112
Others (non-motorised)	0	0	0	0

SUB-TOTAL	91	20	5	116
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Task 5: How good is the air you breathe in your school?

5

How many students suffer from respiratory ailments ?

0

6

Does the school laboratory have air quality monitoring equipment?

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?

No



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	Pawan Ghimirey	pawanghimirey21@gmail.com
2.	Ganesh Giri	ganeshgiri123@gmail.com

Administrative staff

Sno.	Name	Email
1.	N.B Chhetri	narenchettri28@gmail.com
2.	K.K Rai	.....

Students

Sno.	Name	Email	Grade/Class
1.	Sancha Maya Subba	--	7
2.	Dinesh Chettri	--	8
3.	Surakshya Neopaney	--	7
4.	Nimkit Lepcha	--	8
5.	Abhishek Chettri	.....	6

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

No

No documents uploaded by the school.

2 Does your school have its own vehicles?

No

3 Provide the details of total energy consumed by the school

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

Electricity from the board (kwh)	10	36.00	1,5
Electricity from generator (diesel) (litres)	00	0.00	0
Petrol (litres)	00	0.00	0
Diesel (litres)	00	0.00	0
CNG (kilogrammes)	0	0.00	0
Kerosene (litres)	2	89.40	2
Coal (kilogrammes)	00	0.00	0
Wood (kilogrammes)	50	880.00	3
Animal waste (kilogrammes)	00	0.00	0
Solar (kwh)	00	0.00	0
Wind (kwh)	00	0.00	0
LPG (kilogrammes)	8	412.80	3
Piped Natural Gas (kilogrammes)	00	0.00	0
TOTAL	70.00	1418.20	

Supporting Documents

1. IMG_20161115_110057.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	0	0	0
Refrigerator	0	0	0
Microwave	0	0	0
Tube Lights	0	0	0
CFL Bulbs	10	14	3.6
LED Lights	0	0	0

Fans	0	0	0
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Supporting Documents

1. IMG_20161110_163604.jpg

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

5

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

16

6

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

No

No documents uploaded by the school for energy chapter.



FOOD

Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	Meena Tamang	ghishingemena206@gmail.com
2.	I.K Darjee	indrasundas123@gmail.com

Administrative staff

Sno.	Name	Email
1.	N.B chettri	narenchettri28@gmail.com
2.	K.K Rai	.....

Students

Sno.	Name	Email	Grade/Class
1.	Namu Tashi Lepcha	.....	8
2.	Lakmit Lepcha	.....	8
3.	Lhamu Lepcha	.....	6
4.	Lavomit Lepcha	.....	6
5.	Jamuna Karki	.....	8

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

1

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

No

2

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

3

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	400	09
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	200	09
Potato fries and Burgers	0	0	09
Confectionery items (chocolate, candies, gums)	0	1800	09
Ice-cream	3	300	09
Carbonated beverages	0	0	09
Sugar sweetened noncarbonated beverages	0	200	09
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	0	0	09
Packaged/Bottled Energy Drinks	0	0	09

Supporting Documents

1. IMG-20161020-WA0001.jpg

4

Does your school serve traditional Indian snacks?

Yes

4(a)

Please provide the details:

	Number of plates sold when on the menu
Samosas	150
Idli/vada and sambhar	0
Pav bhaji	0

Momos	200
Others	0

4(b) Give descriptions for rare local snacks served in your school:?

wachipa(its uniqueness being the rice is made to mix with the fried chicken with its feather brunt to enhance its taste)

5 Does your school serve traditional Indian beverages?

Yes

5(a) Details are as follows:

	Number of servings sold when on the menu
Nimboo pani	0
Sweet lassi	0
Salted butter milk	0
Aam Panna	0
Others	100

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

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

Yes

6(a) Please provide details

samosa,sweet bun,Jalebi

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

Yes

7(a) Please provide the names?

Diary Milk chocolate,Bread,biscuits,Wafars

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

No

Supporting Documents

1. IMG-20161020-WA0001.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Rabindra Bista	rabindrabista@gmail.com
2.	Roshan Rai	roshanrai8611@gmail.com

Administrative staff

Sno.	Name	Email
1.	N.B Chhetri	narenchettri28@gmail.com
2.	K.K Rai	.....

Students

Sno.	Name	Email	Grade/Class
1.	Bibek Rai	.....	7
2.	Abhinay Dahal	.....	6
3.	Nimphuty Lepcha	.....	8
4.	Abishek Nepal	.....	7
5.	Suja Subba	.....	8
6.	Songmit Lepcha	.....	7
7.	Barsha Rai	.....	8
8.	Siwan Rai	.....	7
9.	Arpan Adhikari	.....	7

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

1

Complete the table:

	Your school's area
Site area in square meter (m2)	2,500
Ground coverage area	487
Green landscaped area on-ground	424
Surface parking area	0

Play area that is paved/ concrete on ground	211
Play area that has grass on ground	637
Service Area on ground	7
Roof and terrace area	272
Green cover on exposed roof & terrace	0
Total built up/constructed area	544
Total no. of floors	2
Others	734

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

3

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

	Native	Exotic	Total
Plants	60	04	64
Animals	05	0	5

Task 4: Find out if your school uses pesticides

4

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

No

Supporting Documents

1. IMG_20161115_110950.jpg
2. IMG_20161115_125559.jpg
3. IMG_20161115_125754.jpg
4. IMG_20161115_125825.jpg
5. _IMG_000000_000000.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	K.P Nepal	kpnepal@gmail.com
2.	B.S Lama	bikram.lama526@gmail.com

Administrative staff

Sno.	Name	Email
1.	N.B Chhetri	narenchhetri28@gmail.com
2.	k.k Rai	.....

Students

Sno.	Name	Email	Grade/Class
1.	Kiran Chhetri	.....	8
2.	Bikash Awwar	.....	6
3.	Laku Tshering Lepcha	.....	7
4.	Iakmit Lepcha	.....	8
5.	Srijana Pandey	.....	7
6.	Dawkit Lepcha	.....	8
7.	Miraj Ali	.....	5
8.	Ganga Karki	.....	8

Task 2: How much water does your school use?

1

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	250
Toilet flushing	501
Personal cleaning	167
Washing clothes	100

Cooking	35
Cleaning Utensils	150
Washing Vegetables	20
Mopping floors	10
Gardening	40
Total	1273

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

2 Where does the water your school uses, come from?

Surface water

3 Who supplies the water in your school?

Panchayat

4 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?

5 What are the water conservation practices your school follows.

	Yes / No
Does your school have any water and sanitation policy?	Yes
If your school has an eco-club, do they have water component?	Yes
Do all tanks in the school have float valves installed to stop overflow?	Yes
Do the drinking water points have spill proof taps to check overflow?	Yes
Does your school use appliances with a quick-wash setting?	Yes
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?	Yes
Does your school use a drip or irrigation system?	Yes
Any other step taken for water conservation? (if Yes, please specify)	Yes

Supporting Documents

1. water gsp1.jpg
2. water gsp.jpg
3. IMG_20161109_145321.jpg
4. IMG_20160715_120536.jpg
5. IMG_20161019_141429 - Copy.jpg

Task 5: Does your school harvest rainwater?

6

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

No

6(a)

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

530

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

7

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?	No
Are the toilets accessible and safe to use for differently abled staff (teaching and non-teaching)?	No

Are the toilets situated in the right location in terms of privacy and safety?	Yes
Is there sufficient light during day time?	Yes

8 How many drinking water taps do you have?

2

9 How many hand pumps do you have?

0

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

1

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

	Girls	Boys	Common	Total
Number of toilets	3	3	0	6

12 How many urinals (strictly used for urination only) do you have?

2

13 How many other water outlets (example: taps in play fields, sprinklers, swimming pool) do you have?

0

14 Is there a water storage system in place to supply water in the toilets?

Yes

15 Is the water supply sufficient?

Yes

16 Are the toilets cleaned?

Yes

16(a) If yes, please specify

Once a day

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

17

Does your school treat wastewater?

Yes

18

Does your school reuse the treated wastewater?

Yes

18(a)

How does your school reuse wastewater?

Gardening

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Phurba Lepcha	lepchaphurba@gmail.com
2.	M.k Adhikari	monkumar18@gmail.com

Administrative staff

Sno.	Name	Email
1.	N.B Chhetri	narenchettri28@gmail.com
2.	K.K Rai	.....

Students

Sno.	Name	Email	Grade/Class
1.	Sukh Maya Rai	.....	7
2.	Dawa Doma Lepcha	.....	7
3.	Passang Kipu Lepcha	.....	7
4.	Sarda Pandey	.....	7
5.	Nim Lhamu Lepcha	.....	7
6.	Tshering Ongmu Lepcha	.....	8
7.	Sagar Subbaa	.....	8
8.	Mar Tshering Lepcha	.....	8

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

1 Does your school segregate solid waste?

Yes

1a Who segregates the waste at source?

1. Students and teachers

2 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	0	9	0
Playgrounds	1	0	0	1	0
Common area (e.g. reception, corridors)	3	0	0	3	0
Staffroom	1	0	0	1	0
Laboratory	0	0	0	0	0
Canteen	0	0	0	0	0
Clinic/ Sick room	0	0	0	0	0
Library	1	0	0	1	0
Toilets	1	0	1	0	0
Others	0	0	0	0	0
Total	16	0	1	15	0

Supporting Documents

1. IMG_20161114_111600.jpg
2. IMG_20160924_102846.jpg
3. IMG_20161115_152723.jpg
4. GSP Report 2016.docx

Task 3: How much waste does your school generate?

3

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

	Collection per month (Frequency may differ)
Garden/ horticulture waste	1
Kitchen waste	8
Paper	1.5
Plastic	1

Wood, glass, metal, classroom furniture	1
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	12.5

Supporting Documents

1. IMG_20161110_141955.jpg
2. IMG_20161110_142143.jpg

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

4

Does your school recycle any generated waste?

Yes

4a

Please provide quantity of which is applicable. (in kilogram)

	Quantity
Garden/ horticulture waste	1
Kitchen waste	8
Paper	1.5
Plastic	0
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0
Sanitary waste	0
Construction and Demolition (C & D) waste	0
Hazardous waste	0

Total (in kilogram)

10.5

5 Does your school have a composting facility?

Yes

Supporting Documents

1. IMG_20161112_114733.jpg
2. waste gsp1.jpg

5a What is the methodology used?

Natural composting without added microbes

5b What is the quantity of compost that is generated per month(in kilogram)?

3.00

5c What is the purpose of the compost that is generated per month?

For school garden

6 Does your school encourage students & teachers to reuse textbooks?

Yes

7 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)	✗	✗	✓	✗
Horticultural waste	✗	✗	✗	✓
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)				

Supporting Documents

1. IMG_20161110_141955.jpg

Task 5: How does your school dispose waste?

8

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

Designated dumping site (Dhalao)

No documents uploaded by the school.

9

Does your school burn waste?

No

10

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)	12	8	4
Laptop computer (CPU, mouse, screen and keyboard included)	2	1	1
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	0	0	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	23	23	0
Answering systems	0	0	0

Supporting Documents

1. IMG_20161114_121756.jpg

11

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

Yes

No documents uploaded by the school.

11a

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

Authorised dismantler

Task 6: School's initiatives

12

Does the school have a policy on waste?

Yes

Policy document

SCHOOL WASTE POLICY.pdf

13

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

Yes

Supporting Documents

1. waste gsp.jpg

13a

What form do these awareness drives take?

As part of extracurricular activities such as guest lectures

14

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

1. water gsp.jpg
2. waste gsp1.jpg



FEEDBACK

1

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

Yes

1(a)

If yes, then in which year did your school first participate in the GSP Audit?

2015-2016

1(b)

If yes, how many times have you done the audit?

2

2

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

Yes

3

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

Yes

4

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

Yes

5

Did you understand the present format of the GSP?

Yes

6

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

Yes

7

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

The main help required is on usage of renewable sources of energy because school being located in rural area ,liquified petroleum m gas alone cannot compensate the requirement of energy used for cooking mid day meal,hence usage of firewood needs to be replaced introducing other readily available non polluting sources of energies also water testing kit needs to be fasciliated such that the quality of water we use is qualitaively drinkable.

8

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

9

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

No

10

Could you finish all the tasks in given period of time online?

Yes

11

How many times did you contact the Green Schools Programme Team for guidance and counseling?

Twice

12

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

13

Did your students enjoy doing the Water activities?

Yes

13(a)

How many students were involved in the activities?

30.00

Checklist of uploaded documents

1. Fuel Bills
2. Picture of 5 star appliances used by school
3. Picture of Mid-day meal being served
4. Picture of Canteen selling UPPF
5. Traditional food items sold in canteen
6. Pictures of Green Cover
7. Pictures of landscaped area
8. Building construction plan
9. Pictures of bio-pesticides
10. Pictures of dustbins in classroom showing segregation at source
11. Pictures of playground with more than two dustbins
12. Picture of audit team weighing solid waste
13. Picture of types of solid waste generated
14. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
15. Pictures of Electronic items used by school and storage of non-working electronic items
16. Waste Policy

17. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
18. Pictures of respective audit teams doing survey