



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA DUNGARPUR

Address: BEHIND S.B.P. GOVT. COLLEGE,
DUNGARPUR, DUNGARPUR,
DUNGARPUR, Rajasthan, India

Coordinator Name: SHAMBHU PRAKASH BAIRWA



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

KENDRIYA VIDYALAYA DUNGARPUR

2

Address

BEHIND S.B.P. GOVT. COLLEGE, DUNGARPUR, DUNGARPUR, DUNGARPUR, Rajasthan, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 2964 (NUMBER) 291228

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9461554562

5

Principal Name

K K CHANDRA

6

GSP Coordinator Name

SHAMBHU PRAKASH BAIRWA

7

GSP Coordinator Email

shambhu_3d2004@yahoo.co.in

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 9460420237

9

Category Of The School

Day Scholar

10

School Shifts

Morning

GENERAL QUESTIONS

1

How many levels does your school have?

Lowest level of grade:1

Highest level of grade:12

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	280	196	476
Teachers	16	08	24
Non-Teaching Staff	05	02	7
TOTAL	301	206	507

4(b)

How many visitors visit your school

150

5

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

220

6

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

Nov

7

Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	H P BAIRWA	H P BAIRWA
2.	R S MEENA	meenar48@yahoo.com
3.	A L MEENA	phemeena69@gmail.com

Administrative staff

Sno.	Name	Email
1.	BINDU GUPTA	bindugupta1963@yahoo.co.in

Students

Sno.	Name	Email	Grade/Class
1.	TANMAY JOSHI	joshitanmay2001@gmail.com	11
2.	RONAK LADHA	ronaklodha17@rediffmail.com	11
3.	MANAV NIMESH	suresh.nimesh@yahoo.com	11
4.	NILESH KALASUA	nkalasua@gmail.com	11
5.	DIVIK DASORA	divikdly@gmail.com	11

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

1 How many classrooms does your school have?

24

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 I	49.00	8.30	16.93
Class II	49.00	8.30	16.93
Class III	49.00	8.30	16.93
Class IV	49.00	8.30	16.93

Class V	49.00	8.30	16.93
Class VI	49.00	8.30	16.93
Class VII	49.00	8.30	16.93
Class VIII	49.00	8.30	16.93
Class IX	49.00	8.30	16.93
Class X	49.00	8.30	16.93
TOTAL	490.00	82.95	

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?

School does not use or own 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
Schoool Bus	0	0	0	0
Public Bus	60	0	0	60
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	0	0	0
Taxi three-wheeler	340	0	0	340
Personal four-wheeler	0	0	0	0
Personal two-wheeler	60	0	0	60
Bicycle	37	0	0	37
On foot	10	0	0	10
Others (non-motorised)	0	0	0	0

SUB-TOTAL	507	0	0	507
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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.	S P BAIRWA	SHAMBU_3D2004@YAHOO.CO.IN
2.	RAKESH MEENA	R2009MEENA@GMAIL.COM
3.	SARITA SONI	SARITASONI76@GMAIL.COM

Administrative staff

Sno.	Name	Email
1.	SHRUTI SHUKLA	SSHUKLAJPR@GMAIL.COM

Students

Sno.	Name	Email	Grade/Class
1.	SHURBHI NEBHANI	SURBHINEBHANI@GMAIL.COM	11
2.	KHUSHI PANCHAL	KHUSHIPANCHAL1111@GMAIL.COM	11
3.	AASTHA JAIN	SHIDHARTJAIN@GMAIL.COM	11
4.	SHRUTI SHRIMAL	SHRIMALSHATISH5400@GMAIL.COM	11
5.	JANYA CHOUBISA	JANV98880@GMAIL.COM	11

Task 2: How much energy does your school consume?

1 Does your school have access to an electricity bill?

Yes

Supporting Documents

1. electricity bill.jpg

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)	3670	13212.00	0
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	0	0.00	0
Diesel (litres)	0	0.00	0
CNG (kilogrammes)	0	0.00	0
Kerosene (litres)	0	0.00	0
Coal (kilogrammes)	0	0.00	0
Wood (kilogrammes)	0	0.00	0
Animal waste (kilogrammes)	0	0.00	0
Solar (kwh)	0	0.00	0
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	0	0.00	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	3670.00	13212.00	

No documents uploaded by the school.

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	173	40	1
CFL Bulbs	0	0	0
LED Lights	0	0	0

Fans	239	0	0
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No documents uploaded by the school.

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

5

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

7

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.	SHRUTI SHUKLA	SSHUKLAJPR@GMAIL.COM
2.	PURNIMA TRIVEDI	PURNIMATRIVEDI1956@GMAIL.COM
3.	OMESH PALIWAL	OMESH_PALIWAL@YAHOO.COM

Administrative staff

Sno.	Name	Email
1.	V.B.SINGH	VIPINSINGH2005@YAHOO.CO.IN

Students

Sno.	Name	Email	Grade/Class
1.	CHINTAN KOTHARI	CHITAN.KOTHARI2000@GMAIL.COM	12
2.	DISHANK PRAJAPATI	DISHANKPRAJAPATI81@GMAIL.COM	12
3.	CHIRAJ AHARI	CHIRAJAHARI59@MAIL.COM	12
4.	HITARTH JOSHI	HITARTH JOSHI41@GMAIL.COM	12
5.	PARARTH DAVE	PARARTHDAVE@GMAIL.COM	12

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?

No

2(a) Do students bring their own lunch from home?

Yes

Supporting Documents

1. IMG_20160830_104128.jpg
2. IMG_20160830_104058.jpg

2(a)(1) How many students out of total student population bring home-made lunch?

470.00

2(a)(2) Of the students who bring lunch from home, how many bring packaged food?

0.00

2(a)(3) Do teachers have the responsibility to ensure that students are carrying lunch from home?

Yes

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	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.

4 Does your school serve traditional Indian snacks?

Yes

4(a) Please provide the details:

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

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

no local snacks served in our school

5 Does your school serve traditional Indian beverages?

No

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

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

No

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

No

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

Yes

8(a) Does the school distribute packaged food items as rewards during schools events?

under co-curricular activities as per kvs

8(b) Are their banners, brochures, hoardings, stalls etc. put-up during the events?

Yes

Supporting Documents

1. IMG_20160915_150513.jpg
2. IMG_20160915_150514.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	H.P.BAIRWA	BAIRWA_HARRY@YAHOO.CO.IN
2.	A.L.MEENA	PHEMEENA69@GMAIL.COM
3.	V.B.SINGH	VIPINSINGH2005@YAHOO.CO.IN

Administrative staff

Sno.	Name	Email
1.	H.P.BAIRWA	BAIRWA_HARRY@YAOO.CO.IN

Students

Sno.	Name	Email	Grade/Class
1.	NISHTHA AMALIYA	RMSHAMALIYA@GMAIL.COM	11
2.	ISHIKA DAWDA	ISHIKADAWDA00@GMAIL.COM	11
3.	MAHIMA JOSHI	VIPINJOSHIPUNALI@GMAIL.COM	11
4.	ANCHAL CHOUBISA	CHANDRAKANTCHOUBISA@GMAIL.COM	11
5.	KIRAN MAHAWAR	RAJINDERKOLI@GMAIL.COM	11

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

1

Complete the table:

	Your school's area
Site area in square meter (m ²)	40,365
Ground coverage area	1,373
Green landscaped area on-ground	16,140
Surface parking area	124
Play area that is paved/ concrete on ground	2,400
Play area that has grass on ground	1,800
Service Area on ground	450

Roof and terrace area	1,373
Green cover on exposed roof & terrace	1,785
Total built up/constructed area	1,373
Total no. of floors	3
Others	18,078

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	12	4	16
Animals	15	3	18

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. photo1.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	PURNIMA TRIVEDI	PURNIMATRIVEDI1956@GMAIL.COM
2.	RAJANDRA PRASAD	RAJINDERKOLI@GMAIL.COM
3.	BINDU GUPTA	BINDUGUPTA1963@YAHOO.CO.IN

Administrative staff

Sno.	Name	Email
1.	SHRUTI SHUKLA	SSHUKLAJPR@GMAIL.COM

Students

Sno.	Name	Email	Grade/Class
1.	MAYANK YADAV	MANUYADAV3828@GMAIL.COM	11
2.	ANKUR YADAV	YADAV2311992@GMAIL.COM	11
3.	BADAL JOSHI	BADALJOSHI23@GMAIL.COM	11
4.	DEVANSH JAIN	DEWANSH.JAIN2013@GMAIL.COM	11

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	1000
Toilet flushing	300
Personal cleaning	50
Washing clothes	0
Cooking	0
Cleaning Utensils	10
Washing Vegetables	0

Mopping floors	20
Gardening	100
Total	1480

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

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

Ground water

3 Who supplies the water in your school?

School's own supply (bore well, rainwater harvesting facility, etc)

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?	No
Are dual flush systems installed in the toilets?	Yes
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?	No

Any other step taken for water conservation? (if Yes, please specify)

Yes

No documents uploaded by the school.

Task 5: Does your school harvest rainwater?

6

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

Yes

6(a)

Does your school harvest different catchments?.

Yes

6(a)(1)

Which is the catchment area being harvested by your school?

Rooftop

6(b)

How does your school harvest rainwater?

Combination of both

6(b)(1)

If your school only stores rainwater, please select the use of stored rainwater.

Mopping

6(b)(2)

Does your school have rainwater storage tank?

Yes

6(b)(2)(a)

Total capacity of storage tank (litres)

50000.00

6(b)(2)(b)

Total number of storage tanks

3.00

6(b)(2)(c)

Location of tanks:

Semi underground

6(b)(2)(d)

Material options for tanks

RCC

6(c)

How much area in your school is harvested?

10 to 20 per cent

6(d)

Please select (from the list given below) the rainwater harvesting structures present in your school

Filter unit

6(d)(1)

Where is your filter unit?

Before both storage tank and recharge system

6(d)(2)

Types of filter used in your school:

Sand gravel filter

6(e)

Rate your catchment on cleanliness:

Good

No documents uploaded by the school.

6(f)

Does your school clean your catchment and system (structure)?

Yes

6(f)(1)

Please specify when does your school clean the catchment and RWH system?

Pre-monsoon

6(g)

Does your school monitor the rainwater harvesting structure for its efficiency?

Yes

6(g)(1)

Please specify when does your school monitor the groundwater level?

Pre-monsoon

6(h)

What is the trend of groundwater level in your school across the year?

If there was a decrease, please specify

6(h)(1)

Please specify how much was the decrease?

More than 5 metres annually

6(i)

If your school's RWH structure is more than a year old, is there any improvement in the groundwater quality after the implementation of the RWH structure?

No

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?	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

8 How many drinking water taps do you have?

20

9 How many hand pumps do you have?

0

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

64

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

	Girls	Boys	Common	Total
Number of toilets	5	5	0	10

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

60

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

2

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?

No

18

Does your school reuse the treated wastewater?

No

18(a)

Please specify the fate of wastewater

Used for gardening and horticulture

No documents uploaded by the school.



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	PURNIMA TRIVEDI	PURNIMATRIVEDI1956@GMAIL.COM
2.	A.L.MEENA	PHEMEENA69@GMAIL.COM

Administrative staff

Sno.	Name	Email
1.	SHRUTI SHUKLA	SSHUKLAJPR@GMAIL.COM

Students

Sno.	Name	Email	Grade/Class
1.	AASTHA JAIN	SIDHARTHJAIN@GMAIL.COM	11
2.	AKSHIT KHARADI	KHARAIKSHIT12@MAIL.COM	11
3.	ANCHAL CHOUBISA	C.CHOUBISA1967@GMAIL.COM	11
4.	GUNJ JOSHI	HITARTHJOSHI41@GMAIL.COM	11
5.	HIMRUCHY PANDYA	PANDYAKARAN16@GMAIL.COM	11

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

1 Does your school segregate solid waste?

No

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	4	1	1	1	1
Playgrounds	4	1	1	1	1
Common area (e.g. reception, corridors)	4	1	1	1	1
Staffroom	4	1	1	1	1

Laboratory	4	1	1	1	1
Canteen	4	1	1	1	1
Clinic/ Sick room	4	1	1	1	1
Library	4	1	1	1	1
Toilets	4	1	1	1	1
Others	4	1	1	1	1
Total	40	10	10	10	10

Supporting Documents

1. IMG_20161117_122648.jpg
2. IMG_20161117_114219.jpg
3. IMG_20161117_121623.jpg

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	10
Kitchen waste	0
Paper	1
Plastic	0.5
Wood, glass, metal, classroom furniture	0
E-waste	0
Biomedical waste	0
Sanitary waste	2
Construction and Demolition (C & D) waste	1
Hazardous waste	5
Total Generated Solid Waste (in kilogram)	19.5

Supporting Documents

1. IMG_20160908_085726.jpg

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

4 Does your school recycle any generated waste?

No

5 Does your school have a composting facility?

No

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)	✗	✗	✓	✗

No documents uploaded by the school.

Task 5: How does your school dispose waste?

8

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

Landfill Site

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	1	1	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	1	1	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)	53	50	3
Laptop computer (CPU, mouse, screen and keyboard included)	1	0	1
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	4	2	2
Copying equipment (Photocopiers)	1	0	1
Projectors	1	1	0

Whiteboards	3	3	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	2	2	0
Fax machines	1	0	1
Telex	0	0	0
Telephones	0	0	0
Pay telephones	0	0	0
Mobiles	2	2	0
Answering systems	0	0	0

No documents uploaded by the school.

11

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

No

Task 6: School's initiatives

12

Does the school have a policy on waste?

No

13

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

No

14

Is the study of the environment integrated into the curriculum?

Yes

No documents uploaded by the school.



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?

2014

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?

No

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?

CONDUCT WORKSHOP FOR TEACHER, SO THAT THEY CAN GUIDE STUDENT PROPERLY.

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

Good

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?

Never

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?

16.00

Checklist of uploaded documents

1. Electricity Bill
2. Photographs of lunch boxes
3. Pictures of Green Cover
4. Pictures of landscaped area
5. Pictures of respective audit teams doing survey