

Responses for Green Schools Programme Audit 2016

School Name: CRPF Public School , Dwarka

Address: CRPF Public School, Dwarka Sector-16-

B, New Delhi - 110078, New Delhi, South

West Delhi, Delhi, India

Coordinator Name: Mrs Meenal Upadhyay



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 / Institution

CRPF Public School, Dwarka

2 Address

CRPF Public School , Dwarka Sector-16-B, New Delhi - 110078, New Delhi, South West Delhi, Delhi, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 011 (NUMBER) 28032245

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 8860194811

5 Principal Name

Mrs. Meenu Tiwari

6 GSP Coordinator Name

Mrs Meenal Upadhyay

GSP Coordinator Email

meenal_11dec@rediffmail.com

GSP Coordinator Mobile Number

(ISD)91 (Number) 8860194811

Category Of The School

Day Scholar

10 School Shifts

Morning

GENERAL QUESTIONS

How many levels does your school have?

Lowest level of grade:1 Highest level of grade:12

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	946	606	1552
Teachers	6	57	63
Non-Teaching Staff	0	3	3
TOTAL	952	666	1618

4(b) How many visitors visit your school

30

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

225

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

Sep, Oct, Nov

Where is the school located?

Urban Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email	
1.	Ms. Samiksha kaushik	Ms. Samiksha kaushik	

Administrative staff

Sno.	Name	Email
1.	Ms. Shiny	shinysanad@gmail.com
2.	Ms. Sheetal	s.kashyap.80@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Chirag		8
2.	Chinmay		8
3.	Mayank	mayankdp230@gmail.com	8
4.	Rakshit	rddabral427@gmail.com	8

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

How many classrooms does your school have?

41

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)
KG. TULIP	476.72	121.24	25.43
ΙB	438.90	121.24	27.62
III A	446.04	218.88	49.07
IV C	852.15	218.88	25.69
VI A	460.80	121.24	26.31

VIII B	437.58	121.24	27.71
X C	852.15	218.88	25.69
IX B	427.16	218.88	51.24
XI C	468.48	121.24	25.88
XII A	468.48	121.24	25.88
TOTAL	5,328.46	1,602.96	

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-owned vehicles

Provide details of school-owned motorized vehicles .

	Buses	Cars	Vans	Others	Total
No. of vehicles	2	1	1	0	4
No. of vehicles more than five years old	2	0	0	0	2
Air conditioned	0	1	0	0	1
No. of vehicles with PUC done	2	1	1	0	4
Parking area (m2)	10	410	6	0	426

Supporting Documents

3(a)

- 1. IMG_20161027_133323538_2-min.jpg
- 2. IMG_20161027_133357391-min.jpg
- 3. IMG_20161028_090803126-min.jpg

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	0	0	0	2	0	0

Car	1	0	0	0	0	0
Van	0	0	0	1	0	0
Other vehicles	0	0	0	0	0	0
SUB-TOTAL	1	0	0	3	0	0

Supporting Documents

- 1. IMG_20161027_133624175-min.jpg
- 2. IMG_20161027_133731299-min.jpg
- 3. IMG_20161027_133629395-min.jpg
- 4. IMG_20161027_100943694_HDR-min.jpg
- 5. IMG_20161027_101047568-min.jpg

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	1020	1	0	1021
Public Bus	0	0	0	0
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	50	20	1	71
Taxi four-wheeler	357	5	0	362
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	0	24	2	26
Personal two-wheeler	0	9	0	9
Bicycle	25	0	0	25
On foot	100	0	0	100
Others (non-motorised)	0	4	0	4
SUB-TOTAL	1552	63	3	1618

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

How many students suffer from respiratory ailments?

1

Does the school laboratory have air quality monitoring equipment?

No

No documents uploaded by the school.

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.	Mr Deepak Bisht	deepakbisht0008@gmail.com

Administrative staff

Sno.	Name	Email
1.	Ms. Shiny	shinysanad@gmail.com
2.	Ms. Sheetal	s.kashyap80@gmail.com
3.	Ms. Ishwari	ambika301301@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Manisha Yadav	laxman535@gmail.com	7
2.	Aryan Negi	dsnegi1973@gmail.com	7
3.	Chaitanya Bhaskar		7
4.	Aditi Yadav		7
5.	Priyanshi	sblohchab1970@gmail.com	7
6.	Suyash	suyashsharthi@gmail.com	7
7.	Laasya Nandula	y_madhavi@yahoo.com	7

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

- 1. elect07.jpg
- 2. elect8.jpg
- 3. elect9.jpg
- 4. elect10.jpg

Does your school have its own vehicles?

Yes

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)	10397	37429.20	1,5
Electricity from generator (diesel) (litres)	200	9120.00	1,5
Petrol (litres)	0	0.00	0
Diesel (litres)	100	4560.00	4
CNG (kilogrammes)	1210	63404.00	4
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)	28.4	1465.44	3,5
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	11935.40	115978.64	

- 1. cng1.jpg
- 2. cng2.jpg
- 3. cng3.jpg

	Number	Size	BEE Star Rating
Air Conditioners	5	2	3
Refrigerator	1	80	3
Microwave	1	20	2
Tube Lights	450	40	3
CFL Bulbs	0	0	0
LED Lights	150	12	3
Fans	500	73	2

No documents uploaded by the school.

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



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.	shanti negi	negi.shanti14@gmail.com

Administrative staff

Sno.	Name	Email
1.	ms shinny	

Students

Sno.	Name	Email	Grade/Class
1.	kriti		6
2.	krushna		6
3.	suraj		6

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

Yes

Does your school serve midday meals?

No

Do students bring their own lunch from home?

Yes

Supporting Documents

- 1. 059.jpg
- 2. 062.jpg
- 3. 058.jpg
- 4. 055.jpg

How many students out of total student population bring home-made lunch?

1300.00

2(a)(2)

Of the students who bring lunch from home, how many bring packaged food?

200.00

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

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	2	2000	12
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)	1	150	12
Ice-cream	0	0	0
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	1	700	12
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	4	250	12
Packaged/Bottled Energy Drinks	0	0	0

- 1. 053.jpg
- 2. 049.jpg

Does your school serve traditional Indian snacks?

Yes

Please provide the details:

	Number of plates sold when on the menu
Samosas	25
Idli/vada and sambhar	15
Pav bhaji	0
Momos	0
Others	0

Give descriptions for rare local snacks served in your school:?

no

Does your school serve traditional Indian beverages?

Yes

Details are as follows:

	Number of servings sold when on the menu
Nimboo pani	4
Sweet lassi	0
Salted butter milk	12
Aam Panna	3
Others	0

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

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

No

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

No

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

No

- 1. 068.jpg
- 2. 065.jpg



Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Ms. Sultana	sulti1984@gmail.com
2.	Ms.Laxmi	laxmi535@outlook.com

Administrative staff

Sno.	Name	Email
1.	sheetal kashyap	s.kashyap80@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Ashutosh Verma	soni.meemaashu@gmail.com	7
2.	Kushagra Bhardwaj		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)	8,000
Ground coverage area	8,838
Green landscaped area on-ground	2,808
Surface parking area	426
Play area that is paved/ concrete on ground	2,475
Play area that has grass on ground	1,736
Service Area on ground	8,000
Roof and terrace area	500
Green cover on exposed roof & terrace	0

Total built up/constructed area	8,838
Total no. of floors	5
Others	1

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	38	115	153
Animals	0	0	0

Task 4: Find out if your school uses pesticides

4 Do you

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

No

- 1. FIRST.jpg
- 2. SECOND FLOOR.jpg
- 3. THIRD.jpg
- 4. IMG_20161108_121611.jpg
- 5. IMG_20161108_121823.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email	
1.	Ms Meenal	meenal_11dec@rediffmail.com	

Administrative staff

Sno.	Name	Email
1.	Ms. Shiny	shinysanad@gmail.com
2.	Ms. Sheetal	s.kashyap80@gmail.com
3.	Ms. Ishwari	ambika301301@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Priyanshi	sblohchab1970@gmail.com	7
2.	Aryan Negi	dsnegi1973@gmail.com	7
3.	Aditi Yadav		7
4.	Chaitanya Bhaskar		7
5.	Manisha Yadav	laxman535@gmail.com	7
6.	Laasya Nandula	y_madhavi@yahoo.com	7
7.	Suyash	suyashsharthi@gmail.com	7

Task 2: How much water does your school use?

Calculate your school's water consumption, per activity.

Activity	Total Quantity (litres per day)
Drinking	3000
Toilet flushing	20000
Personal cleaning	10000
Washing clothes	100
Cooking	10

Cleaning Utensils	30
Washing Vegetables	15
Mopping floors	1750
Gardening	20000
Total	54905

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

Where does the water your school uses, come from?

Ground water, Rain water, Recycled waste water

Who supplies the water in your school?

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

Does your school get daily water supply?

Yes

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?	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?	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. 20161027_084616.jpg
- 2. 20161027_085055.jpg
- 3. 20161102_103600.jpg
- 4. 20161102_103429.jpg
- 5. 20161027_084146.jpg

Task 5: Does your school harvest rainwater?

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 + Paved + Unpaved

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.

Gardening, Mopping, Toilets

6(b)(2) Does your school have rainwater storage tank?

Yes

6(b)(2)(a) Total capacity of storage tank (litres)

80000.00

6(b)(2)(b) Total number of storage tanks

1.00 Location of tanks: Underground Material options for tanks 6(b)(2)(d) **RCC** How much area in your school is harvested? 41 to 50 per cent Please select (from the list given below) the rainwater harvesting structures present in your school Filter unit, First flush, Storage tank, Collection sump, Recharge structure Where is your filter unit? 6(d)(1) Before both storage tank and recharge system Types of filter used in your school: Charcoal filter

Supporting Documents

Good

1. rain water harvesting.docx

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

Yes

Rate your catchment on cleanliness:

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

Pre-monsoon

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

No

6(h) What is the trend of groundwater level in your school across the year?

No change

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?

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?

13

How many hand pumps do you have?

0

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

52

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

	Girls	Boys	Common	Total
Number of toilets	26	69	7	102

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

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

1

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

Yes

Is the water supply sufficient?

Yes

Are the toilets cleaned?

Yes

16(a) If yes, please specify

Twice a day

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

Does your school treat wastewater?

No

Does your school reuse the treated wastewater?

Yes

How does your school reuse wastewater?

Flushing, Recharge Ground Water

No documents uploaded by the school.



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	Ms Shruti Nautiyal	Shrutinautiyal12@gmail.com

Administrative staff

Sno.	Name	Email
1.	Ms Shiny	shinysanad@gmail.com
2.	Ms Sheetal	s.kashyap.80@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Jhankrit Kaushik	jhankritkaushik@gmail.com	9
2.	Aman Harsh	amanharsh3@gmail.com	9
3.	Yogita Tewatiya	yogitatewatiya1990@gmail.com	9
4.	Aakash Pandey		9

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

Does your school segregate solid waste?

Yes

Who segregates the waste at source?

- 1. Housekeeping (Sweeper)
- 2. Gardener
 - Waste collection points in your school.

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	40	0	40	0	0

Playgrounds	3	0	3	0	0
Common area (e.g. reception, corridors)	10	0	10	0	0
Staffroom	5	0	5	0	0
Laboratory	3	0	3	0	0
Canteen	2	0	2	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	16	0	16	0	0
Others	0	0	0	0	0
Total	81	0	81	0	0

Supporting Documents

1. IMG_20161110_110154382.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	20
Kitchen waste	10
Paper	150
Plastic	1
Wood, glass, metal, classroom furniture	2
E-waste	0
Biomedical waste	0
Sanitary waste	60
Construction and Demolition (C & D) waste	0

Hazardous waste	0
Total Generated Solid Waste (in kilogram)	243

Supporting Documents

- 1. IMG-20161107-WA0011.jpg
- 2. IMG-20161107-WA0007.jpg

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

Does your school recycle any generated waste?

Yes

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

	Quantity
Garden/ horticulture waste	0
Kitchen waste	0
Paper	200
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)	200

Does your school have a composting facility?

No

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	×	×	×	4
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

Supporting Documents

- 1. IMG_20161111_141058110.jpg
- 2. IMG_20161111_141031670.jpg

Does your school burn waste?

No

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	1	1	0
Refrigerators and freezers	1	1	0
Washing machines	0	0	0
Air conditioners	5	5	0
Heaters	0	0	0
Microwaves	1	1	0
Ovens	5	5	0
Toasters	0	0	0
Electric Kettles	5	5	0
Personal computers (CPU, mouse, screen and keyboard included)	43	43	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	7	7	0
Copying equipment (Photocopiers)	7	7	0
Projectors	42	42	0
Whiteboards	39	39	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	4	4	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	11	11	0
Pay telephones	0	0	0

Mobiles	0	0	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?

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

Does the school have a policy on waste?

No

13

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?

By the showcasing of posters and stickers

Is the study of the environment integrated into the curriculum?

Yes

- 1. IMG-20161107-WA0010.jpg
- 2. IMG-20161108-WA0008.jpg



FEEDBACK

Yes

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

2015

1(b) If yes, how many times have you done the audit?

1

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

Yes

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?

The awareness generated through the survey is worth appreciation. After conducting the survey our teachers and students have become more aware about the various resources that need to be conserved. The school is installing a water harvesting system and would be installing the solar panels soon.

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

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

No

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

Yes

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

Never

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?

Yes

How many students were involved in the activities?

20.00

Checklist of uploaded documents

- 1. PUC certificates of not more than five buses
- 2. Fuel Bills
- 3. Picture of School owned vehicles
- 4. Electricity Bill
- 5. Traditional food items sold in canteen
- 6. Pictures of Green Cover
- 7. Pictures of landscaped area
- 8. Building construction plan
- 9. Pictures of dustbins in classroom showing segregation at source
- 10. Picture of types of solid waste generated
- 11. Pictures of recycling units composting pit, paper recycling machine, selling paper to kabadiwala, recyclers,etc
- 12. Pictures of housekeeping staff disposing different types of solid waste
- 13. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
- 14. Pictures of respective audit teams doing survey