



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** KV NTPC DADRI  
**Address:** VIDYUT NAGAR NTPC DADRI ,  
G.B.NAGAR, DADRI, G.B.NAGAR, Uttar  
Pradesh, India  
**Coordinator Name:** Smt. Alka Varshney



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

KV NTPC DADRI

**2** Address

VIDYUT NAGAR NTPC DADRI , G.B.NAGAR, DADRI, G.B.NAGAR, Uttar Pradesh, India

**3** Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 120 (NUMBER) 2671383

**4** Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 8800425140

**5** Principal Name

Maya Devi

**6** GSP Coordinator Name

Smt. Alka Varshney

**7** GSP Coordinator Email

alkagarg176@gmail.com

**8** GSP Coordinator Mobile Number

(ISD)91 (Number) 9811537199

**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	551	345	896
Teachers	21	14	35
Non-Teaching Staff	06	01	7
TOTAL	578	360	938

4(b) How many visitors visit your school

25

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

224

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

Oct, Nov

7 Where is the school located?

Rural Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	ALKA VARSHNEY	ALKA VARSHNEY
2.	MANOJ KUMAR	manoj Singh21289@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	DHARMPAL	
2.	CHANDRAPAL	
3.	ROOPRAM	

#### Students

Sno.	Name	Email	Grade/Class
1.	THRISHNA B PILLAI	thrishna14@gmail .com	12
2.	KHUSBU YADAV	ayabhishek0@gmail.com	12
3.	ADHRSH CHAUDHARY	kiastunt87@gmail.com	7
4.	YOGESH PRATAP	pratap.yogesh@gmail.com	7
5.	SAMEER GOYAL	goyalsameer48@yahoo.com	7
6.	SAWAN KUMAR	sawanchaudhary726@gmail.com	10
7.	GAURAV BHATI	namberdargauravbhati151@gmail.com	10
8.	VAIBHAVDEEP	vaibhavdeep9873@gmail.com	10
9.	SHIVAM SHISHODIA	shivamshisodia1515@gmail.com	10
10.	PARSHANT YADAV	y prashant892@gmail.com	10

### 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)
1 A	30.00	12.00	40.00
1 B	30.00	12.00	40.00
2 A	30.00	12.00	40.00
2 B	30.00	12.00	40.00
3 A	30.00	12.00	40.00
3 B	30.00	12.00	40.00
4 A	30.00	12.00	40.00
4 B	30.00	12.00	40.00
5 A	30.00	12.00	40.00
5 B	30.00	12.00	40.00
TOTAL	300.00	120.00	

### 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	300	5	0	305
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	50	0	0	50
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	0	0	0	0

Personal four-wheeler	0	4	0	4
Personal two-wheeler	0	8	1	9
Bicycle	200	0	5	205
On foot	346	18	1	365
Others (non-motorised)	0	0	0	0
<b>SUB-TOTAL</b>	<b>896</b>	<b>35</b>	<b>7</b>	<b>938</b>

### 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?

Yes



## ENERGY

### Task 1: Energy Audit Team

#### Teachers

Sno.	Name	Email
1.	NIDHI MEHRA	nmnidhi3@gmail.com
2.	ALKA VARSHNEY	alkagarg176@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	MAHARAJ SINGH	
2.	B M PRASAD	
3.	DHARAMPAL	

#### Students

Sno.	Name	Email	Grade/Class
1.	POOJA KHARI	poojakhari53@gmail.com	11
2.	SHURTY PAWAR	pawarshurti351@gmail.com	11
3.	ANJALI GUPTA	anjalguptantpc@gmail.com	11
4.	VEMU	lakshitprajapati011@gmail.com	12
5.	HEMLATA	hemlatakuro17@gmail.com	12
6.	PRIYANKA	sanupri2001@gmail.com	12
7.	RASHI	rashichaudhary15@gmail.com	12
8.	PRIYANSHU	princeraghav017@gmail.com	12
9.	AMAN PARASHAR	amanparashar649@gmail.com	10
10.	NIKHIL SHARMA	sharmanikhil5182@gmail.com	10

### 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)	3000	10800.00	5
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)	30	108.00	1
Wind (kwh)	0	0.00	0
LPG (kilogrammes)	14	722.40	0
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	3044.00	11630.40	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	10	1.5 ton	5
Refrigerator	1	165 lit	5



Microwave	1	3	5
Tube Lights	400	30	0
CFL Bulbs	0	0	0
LED Lights	0	0	0
Fans	200	75	0

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?

120

6

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

Yes

6(a)

Name the alternate sources of energy employed/ installed in your school?

Solar

No documents uploaded by the school for energy chapter.



## FOOD

### Task 1: Food Audit Team

#### Teachers

Sno.	Name	Email
1.	MANOJ KUMAR	manoj Singh21289@gmail.com
2.	ALKA VARSHNEY	alkagarg176@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	CHANDRAPAL	
2.	DHARMPAL	
3.	B M PRASAD	

#### Students

Sno.	Name	Email	Grade/Class
1.	GARVIN BHATI	garvinbhati@gmail.com	10
2.	RAHUL RAJ	rahulraj5016@gmail.com	10
3.	VIVEK	vivekd8765@gmail.com	10
4.	ABHAY	uma51527@gmail.com	10
5.	BHAVAK KANSAL	bhavakkansal7258@gmail.com	10
6.	NIKHIL TEOTIA	nikhildeotia2003@gmail.com	10
7.	ABHIJEET	abhijeetkumar1009@gmail.com	10
8.	LIVES SINGH	ajaylives1976@gmail.com	10
9.	ANSHU KUMAR MISHRA	anshum017@gmail.com	10
10.	ABHUDYA TOMAR	abhudyatomar@gmail.com	10

### 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. edited20161118\_121025.jpg
2. 20161118\_121112.jpg

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

750.00

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?

No

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?

Yes

6(a) Please provide details

FRUTI, CHOCOLATS, BISUITS ,CHIPS

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

Yes

7(a) Please provide the names?

PARLEY, MUNCH

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

No

#### Supporting Documents

1. 20161119\_094708.jpg
2. 20161119\_094717.jpg



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	NIDHI MEHRA	nmnidhi3@gmail.com
2.	ALKA VARSHNEY	alkagarg176@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	MAHARAJ SINGH	
2.	B M PRASAD	
3.	CHANDRAPAL	

#### Students

Sno.	Name	Email	Grade/Class
1.	POOJA KHARI	pooja khari 53@gmail.com	11
2.	SHRUTY PAWAR	pawarshruti351@gmail.com	11
3.	ANJALI GUPTA	anjaloguptantpc@gmail.com	11
4.	TASHI BHATI	bhatitoshi2000@gmail.com	11
5.	SUPARNA	amazingvishaka@gmail.com	11
6.	HIMANSHU RAGHAV	36raghavhimanshu@gmail.com	11
7.	HIMANSHU	himanshu08092000@gmail.com	11
8.	DIKSHA	dikshasingh1309@gmail.com	11
9.	VIKAS	thakurvikas kushwaha1999@gmail.com	11
10.	MEENU KUMARI	pawarshruti351@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 <sup>2</sup> )	23,388
Ground coverage area	8,000

Green landscaped area on-ground	15,000
Surface parking area	500
Play area that is paved/ concrete on ground	1,400
Play area that has grass on ground	1,600
Service Area on ground	1,600
Roof and terrace area	8,000
Green cover on exposed roof & terrace	0
Total built up/constructed area	8,000
Total no. of floors	1
Others	0

### 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	58	10	68
Animals	8	0	8

### 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. New Doc 5.jpg
2. 20161119\_094859.jpg
3. 20161119\_094234.jpg



## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	ALKA VARSHNEY	alkagarg176@gmail.com
2.	MANOJ KUMAR	manoj Singh21289@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	DHARAMPAL	
2.	CHANDRAPAL	
3.	MAHARAJ SINGH	

#### Students

Sno.	Name	Email	Grade/Class
1.	BRIJESH SHARMA	brijeshsharma9720@gmail.com	9
2.	HARSH B HANKAR	harshbhankar123@gmail.com	9
3.	DEVESH KUMAR	deveshkr9115@gmail.com	9
4.	RAJU KHAN	yameen792@gmail.com	9
5.	HARDIK GAUTAM	hardikgautam1025@gmail.com	9
6.	SHIWANGHI SHARMA	shiwanghisharma66@gmail.com	9
7.	SALONI GUPTA	ag754208@gmail.com	9
8.	PREETI	preetibensala@gmail.com	9
9.	ARYAN SHARMA	snityendra@gmail.com	9
10.	ANJALI	anjalichaudhari04@gmail.com	9

### 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	4000
Toilet flushing	2000

Personal cleaning	500
Washing clothes	50
Cooking	0
Cleaning Utensils	0
Washing Vegetables	0
Mopping floors	100
Gardening	2000
Total	8650

### 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, Recycled waste water

3 Who supplies the water in your school?

Public Health Engineering Department (PHED)

4 Does your school get daily water supply?

Yes

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

2-6 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?	Yes
Does your school encourage bottled water for drinking water?	Yes
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. 20161119\_095510.jpg
2. 20161119\_094435.jpg
3. 20161119\_095528.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).

80000

## 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?

40

9 How many hand pumps do you have?

0

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

30

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

	Girls	Boys	Common	Total
Number of toilets	12	30	02	44

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

30

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

10

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

More than twice 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?

Yes

18(a)

How does your school reuse wastewater?

Gardening, Flushing

No documents uploaded by the school.



## WASTE

### Task 1: Waste Audit Team

#### Teachers

Sno.	Name	Email
1.	ALKA VARSHNEY	ALKAGARG176@GMAIL.COM
2.	MONOJ KUMAR	MANOJSINGH21289@GMAIL.COM

#### Administrative staff

Sno.	Name	Email
1.	B.M. PRASAD	
2.	MAHARAJ SINGH	
3.	DHARAM PAL	

#### Students

Sno.	Name	Email	Grade/Class
1.	POOJA KHARI	POOJAKAHARI53@GMAIL.COM	11
2.	SHRUTY PAWAR	PAWARSHRUTI351@GMAIL.COM	11
3.	ANJALI GUPTA	ANJAILGUPTANTPC@GMAIL.COM	11
4.	DIKSHA	DIKSHASINGH1309@GMAIL.COM	11
5.	VIKAS	THAKURVIKASKUSHWAHA1999@GMAIL.COM	11

### 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. Housekeeping (Sweeper)
3. Gardener

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	24	0	24	0	0
Playgrounds	12	0	8	4	0
Common area (e.g. reception, corridors)	24	0	20	4	0
Staffroom	3	0	2	1	0
Laboratory	10	0	5	5	0
Canteen	2	0	1	1	0
Clinic/ Sick room	2	0	1	1	0
Library	1	0	1	0	0
Toilets	15	0	10	5	0
Others	0	0	0	0	0
Total	93	0	72	21	0

### Supporting Documents

1. 20161119\_093901.jpg
2. 20161119\_095054.jpg
3. 20161119\_094708.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	650
Kitchen waste	0
Paper	30
Plastic	0
Wood, glass, metal, classroom furniture	2

E-waste	1
Biomedical waste	0
Sanitary waste	15
Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	698

No documents uploaded by the school.

#### 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?

Yes

#### Supporting Documents

1. 20161119\_094534.jpg
2. 20161119\_094534.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)?

50.00

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

For horticultural purposesFor 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)	✗	✗	✗	✓

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. 20161119\_093435.jpg
2. 20161119\_093640.jpg

9

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	2	2	0
VCR or DVD players	2	2	0
Refrigerators and freezers	5	5	0
Washing machines	0	0	0
Air conditioners	10	10	0
Heaters	0	0	0
Microwaves	1	1	0
Ovens	1	1	0
Toasters	0	0	0
Electric Kettles	0	0	0
Personal computers (CPU, mouse, screen and keyboard included)	83	83	0
Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	8	8	0
Copying equipment (Photocopiers)	4	4	0
Projectors	5	5	0
Whiteboards	5	5	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	5	5	0
Fax machines	2	2	0
Telex	0	0	0
Telephones	4	4	0
Pay telephones	0	0	0



Mobiles	0	0	0
Answering systems	0	0	0

### Supporting Documents

1. 20161119\_093914.jpg
2. 20161119\_094058.jpg
3. 20161119\_094104.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 dealer

## 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?

Yes

No documents uploaded by the school.

13a

What form do these awareness drives take?

As part of the curriculum , As part of extracurricular activities such as guest lectures , By the showcasing of posters and stickers

14

Is the study of the environment integrated into the curriculum?

Yes

## Supporting Documents

1. 20161119\_094708.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

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?

Ours is a rural school so the only need to develop an attitude towards eco-friendliness to make the school a Green School.

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?

No

11

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

Once

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?

10.00

### Checklist of uploaded documents

1. Pictures of Green Cover
2. Building construction plan