



# GREEN SCHOOLS PROGRAMME

## Responses for Green Schools Programme Audit 2016

**School Name:** Jagannath International School  
**Address:** D-Block Pushpanjali Enclave, Pitampura,  
Delhi 34, New Delhi, North West Delhi,  
Delhi, India  
**Coordinator Name:** Ms. Niti Sharma



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**

Jagannath International School

2

**Address**

D-Block Pushpanjali Enclave, Pitampura, Delhi 34, New Delhi, North West Delhi, Delhi, India

3

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

(ISD) 91 (STD) 11 (NUMBER) 27011560

4

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

(ISD) 91 (Number) 9971544646

5

**Principal Name**

Indu Sharma

6

**GSP Coordinator Name**

Ms. Niti Sharma

7

**GSP Coordinator Email**

niti2k@gmail.com

8

**GSP Coordinator Mobile Number**

(ISD)91 (Number) 9811004296

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	430	285	715
Teachers	5	35	40
Non-Teaching Staff	1	4	5
TOTAL	436	324	760

4(b)

How many visitors visit your school

30

5

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

212

6

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

Oct, Nov

7

Where is the school located?

Urban Area



## AIR

### Task 1: Air Audit Team

#### Teachers

Sno.	Name	Email
1.	Indrani Dey	Indrani Dey
2.	Ms. Niti Sharma	niti2k@gmail.com
3.	Ms. Anuradha Chauhan	anradhachauhan84@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Ms. Anulekha Malik	sweet619.sweetie@gmail.com
2.	Ms. Riya Daryani	riyadaryani@gmail.com
3.	Mr. Vikas Kaushik	vikaskaushik888@gmail.com
4.	Ms. Kamla Bagera	rakeshkamla1979@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Himanshu Pandey		11
2.	Sanchee Bhatia		9
3.	Aastha Singhal		10
4.	Raman Gupta		10
5.	Aakash Bansal		10

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

1 How many classrooms does your school have?

27

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)
Nur A	400.00	45.00	11.25
KG B	400.00	45.00	11.25

III A	400.00	45.00	11.25
V B	400.00	45.00	11.25
VI A	400.00	45.00	11.25
VII B	400.00	45.00	11.25
IX	400.00	45.00	11.25
X	400.00	45.00	11.25
XI A	400.00	45.00	11.25
XII	400.00	45.00	11.25
<b>TOTAL</b>	<b>4,000.00</b>	<b>450.00</b>	

### 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?

A combination of school-owned and operator-owned vehicles

3(a)

Provide details of school-owned motorized vehicles .

	Buses	Cars	Vans	Others	Total
No. of vehicles	5	0	15	0	20
No. of vehicles more than five years old	5	0	8	0	13
Air conditioned	0	0	5	0	5
No. of vehicles with PUC done	5	0	15	0	20
Parking area (m2)	0	0	0	0	0

#### Supporting Documents

1. r2.pdf
2. r3.pdf
3. r4.pdf
4. r5.pdf
5. r6.pdf

3(b)

Specify the type of fuel used by your school vehicles:

	Diesel	Petrol	LPG	CNG	Electric	Hybrid
Bus	0	0	0	5	0	0
Car	0	0	0	0	0	0
Van	0	15	0	15	0	0
Other vehicles	0	0	0	0	0	0
SUB-TOTAL	0	15	0	20	0	0

### Supporting Documents

1. Buses.docx

## 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	150	5	0	155
Public Bus	0	18	0	18
School Transport(Other than bus)	110	0	0	110
Public transport (other than bus, Metro, car pool)	102	0	0	102
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	0	0	0	0
Personal four-wheeler	50	10	4	64
Personal two-wheeler	21	5	0	26
Bicycle	6	0	0	6
On foot	276	2	1	279
Others (non-motorised)	0	0	0	0

SUB-TOTAL	715	40	5	760
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### Task 5: How good is the air you breathe in your school?

5

How many students suffer from respiratory ailments ?

5

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.	Ms. Palak Grover	palak3091@gmail.com
2.	Ms. Seema Bhardwaj	seemabhardwaj218@gmail.com
3.	Mr. Vivek	17vivekthakur@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Ms. Riya Daryani	riyadaryani@gmail.com
2.	Ms. Anulekha Malik	sweet619.sweetie@gmail.com
3.	Mr. Vikas Kaushik	vikaskaushik888@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Palak Ahuja		11
2.	Venayak		11
3.	Venkat		11
4.	Shiva		11
5.	Radhika		11

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

1

Does your school have access to an electricity bill?

Yes

No documents uploaded by the school.

2

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)	5317	19141.20	1
Electricity from generator (diesel) (litres)	0	0.00	0
Petrol (litres)	50	2335.00	4
Diesel (litres)	0	0.00	0
CNG (kilogrammes)	1200	62880.00	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)	30	1548.00	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	6597.00	85904.20	

No documents uploaded by the school.

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	9	2	3
Refrigerator	3	225 l	3
Microwave	0	0	0
Tube Lights	159	40	4
CFL Bulbs	4	25	5
LED Lights	0	0	0

Fans	197	80	3
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### Supporting Documents

1. energy.docx

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

5

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

28

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.	Harmeet	harmeetkaur2000@gmail.com
2.	Jyotsna Vaid	Jyotsna.vaid@yahoo.com
3.	Niti Sharma	niti2k@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Riya	riyadaryani@gmail.com
2.	Anulekha Malik	sweet619.sweetie@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Atharv		10
2.	Monishiksha Dhingra		8
3.	Naina		7
4.	Shreya Gupta		9
5.	Saksham Vaid		6

### 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

Yes

2

Does your school serve midday meals?

No

2(a)

Do students bring their own lunch from home?

Yes

No documents uploaded by the school.

2(a)(1)

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

680.00

2(a)(2)

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

50.00

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	15	400	10
Instant Noodles like Knorr, Cup-a-noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	0	0
Potato fries and Burgers	7	110	10
Confectionery items (chocolate, candies, gums)	12	25	10
Ice-cream	10	120	10
Carbonated beverages	0	0	0
Sugar sweetened noncarbonated beverages	5	430	10
Packaged/Bottled Nimboo Paani/ Lassi/ Flavoured milk	3	30	10

Packaged/Bottled Energy Drinks	0	0	0
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## Supporting Documents

1. Food.docx

4

Does your school serve traditional Indian snacks?

Yes

4(a)

Please provide the details:

	Number of plates sold when on the menu
Samosas	52
Idli/vada and sambhar	70
Pav bhaji	60
Momos	0
Others	40

4(b)

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

No Pizzas and pastas served in our school.

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	30
Sweet lassi	25
Salted butter milk	20
Aam Panna	0
Others	20

**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

Assorted boxes containing different food items are distributed.

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?

No

No documents uploaded by the school.



## LAND

### Task 1: Land Audit Team

#### Teachers

Sno.	Name	Email
1.	Mr. Kamal Singh Jaggi	kamal82jaggi@gmail.com
2.	Ms. Mansi	mansi.maths@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Riya	riyadaryani@gmail.com
2.	Mr. Vikas Kaushik	vikashkaushik888@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Somya Gupta		10
2.	Dhruv Bihani		10
3.	Yash Manocha		10
4.	Naman Sachdeva		10
5.	Aanchal Pandey		9

### 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> )	4,978
Ground coverage area	2,503
Green landscaped area on-ground	2,073
Surface parking area	0
Play area that is paved/ concrete on ground	162
Play area that has grass on ground	240
Service Area on ground	0

Roof and terrace area	2,000
Green cover on exposed roof & terrace	0
Total built up/constructed area	2,503
Total no. of floors	4
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	08	0	8
Animals	0	0	0

### 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. land.docx





## WATER

### Task 1: Water Audit Team

#### Teachers

Sno.	Name	Email
1.	Vinita Sharma	vineeta_sharma22@yahoo.com
2.	Vivek	7vivekthakur@gmail.com
3.	Niti Sharma	niti2k@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Anulukha Malik	sweet619sweetie@gmail.com
2.	Riya Daryani	riyadaryani@gmail.com
3.	Vikas Kaushik	vikaskaushik888@gmail.com
4.	Kamla Bagiyal	rakeshkamla1979@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Aanchal Pandey		10
2.	Jontty		12
3.	Aayush Dhamija		12
4.	Yash Manocha		10
5.	Mahak Anand		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	300
Toilet flushing	200
Personal cleaning	100
Washing clothes	0

Cooking	20
Cleaning Utensils	200
Washing Vegetables	0
Mopping floors	100
Gardening	500
Total	1420

### 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, Rain water, Recycled waste water

3 Who supplies the water in your school?

Municipality

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?	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)	No

### Supporting Documents

1. water.docx

## 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?.

No

6(b)

How does your school harvest rainwater?

By storing

6(b)(1)

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

Gardening

6(b)(2)

Does your school have rainwater storage tank?

Yes

6(b)(2)(a)

Total capacity of storage tank (litres)

10000.00

6(b)(2)(b)

Total number of storage tanks

2.00

6(b)(2)(c)

Location of tanks:

Underground

6(b)(2)(d)

Material options for tanks

Brick

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

Storage tank

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?

Do not follow any such pattern

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?

Yes

## 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?

10

9 How many hand pumps do you have?

0

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

22

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

	Girls	Boys	Common	Total
Number of toilets	6	5	0	11

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

11

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

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?

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.	Ms. Maneeta Khatri	maneeta.khatri@gmail.com
2.	Ms. Mansi Gupta	mansi.maths@gmail.com
3.	Ms. Niti Sharma	niti2k@gmail.com

#### Administrative staff

Sno.	Name	Email
1.	Mr. Vikas Kaushik	vikaskaushik888@gmail.com
2.	Ms. Kamla Bagiyal	rakeshkamla1979@gmail.com
3.	Ms. Riya Daryani	riyadaryani@gmail.com
4.	Ms. Ambili	annushreevava@gmail.com

#### Students

Sno.	Name	Email	Grade/Class
1.	Devshi Sharma		10
2.	Vanshika Singh		10
3.	Mahak Anand		9
4.	Nehal Kuchhal		11
5.	Simran Manocha		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. Housekeeping (Sweeper)

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	25	0	25	0	0
Playgrounds	3	0	0	0	3
Common area (e.g. reception, corridors)	2	00	0	2	0
Staffroom	2	0	0	2	0
Laboratory	5	0	0	5	0
Canteen	2	0	0	2	0
Clinic/ Sick room	2	0	0	2	0
Library	1	0	1	0	0
Toilets	2	0	0	2	0
Others	2	0	0	2	0
Total	46	0	26	17	3

### Supporting Documents

1. waste.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	5
Kitchen waste	3.5
Paper	6
Plastic	2
Wood, glass, metal, classroom furniture	3
E-waste	3
Biomedical waste	5



Sanitary waste	3
Construction and Demolition (C & D) waste	7.2
Hazardous waste	10
Total Generated Solid Waste (in kilogram)	47.7

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?





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)				
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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?

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	2	2	0
VCR or DVD players	0	0	0
Refrigerators and freezers	2	2	0
Washing machines	0	0	0
Air conditioners	10	10	0
Heaters	0	0	0
Microwaves	2	2	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	2	2	0
Personal computers (CPU, mouse, screen and keyboard included)	14	14	0

Laptop computer (CPU, mouse, screen and keyboard included)	0	0	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	5	5	0
Copying equipment (Photocopiers)	3	3	0
Projectors	5	4	1
Whiteboards	2	2	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	5	5	0
Fax machines	0	0	0
Telex	0	0	0
Telephones	3	3	0
Pay telephones	0	0	0
Mobiles	1	1	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?

Kabadiwalla/ Scrapdealer

## 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

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?

2015

1(b)

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

1

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?

More practices to be involved in waste management.

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?

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?

30.00

### Checklist of uploaded documents

1. PUC certificates of not more than five buses
2. Picture of School owned vehicles
3. Picture of Canteen selling UPPF
4. Traditional food items sold in canteen
5. Pictures of landscaped area
6. Picture of types of solid waste generated
7. Pictures of housekeeping staff disposing different types of solid waste