



GREEN SCHOOLS PROGRAMME

Responses for Green Schools Programme Audit 2016

School Name: kendriya vidyalaya army area pune

Address: DAD complex near vikram batra ,
lullanagar wanowarie , pune, pune,
Maharashtra, India

Coordinator Name: Mr A S Vishwakarma



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 army area pune

2

Address

DAD complex near vikram batra , lullanagar wanowarie , pune, pune, Maharashtra, India

3

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 020 (NUMBER) 26830011

4

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9869556999

5

Principal Name

Geeta Balagangadharan

6

GSP Coordinator Name

Mr A S Vishwakarma

7

GSP Coordinator Email

vishwakarmaashok7@gmail.com

8

GSP Coordinator Mobile Number

(ISD)91 (Number) 8149991223

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	1014	813	1827
Teachers	23	45	68
Non-Teaching Staff	7	3	10
TOTAL	1044	861	1905

4(b) How many visitors visit your school

3113

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

223

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

Sep

7 Where is the school located?

Urban Area



AIR

Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	MRS SANGEETA SINHA	MRS SANGEETA SINHA
2.	Ms Ramya G Mohan	prinkvaa@yahoo.com
3.	Mr Santosh Narawade	prinkvaa@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Mrs Mercy Alexander	prinkvaa@yahoo.com
2.	Mrs Geeta Balagangadharan	prinkvaa@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	GANGA SATHEESH	sindhulv6@gmail.com	11
2.	BICHUKALE SWARANJALI VILAS	vilasbichukale28@gmail.com	11
3.	PRACHI RAHANGDALE	rahangdaleprachi@gmail.com	11
4.	SHIKHA SHRIVASTAVA	shailendrshrivastav1234@gmail.com	11
5.	RAIMONI MAJHEE	lmajhee@gmail.com	11
6.	SHIKHA SHRIVASTAVA	prinkvaa@yahoo.com	11
7.	SWATI BURUTE	prinkvaa@yahoo.com	11
8.	PALLAVI MISHRA	prinkvaa@yahoo.com	11
9.	KALASHRI LANJEKAR	prinkvaa@yahoo.com	11
10.	MANSI SINHA	prinkvaa@yahoo.com	11

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

1 How many classrooms does your school have?

48

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)
I A	44.89	8.64	19.25
I B	44.89	8.64	19.25
I C	44.89	8.64	19.25
VII D	44.89	8.64	19.25
VII A	44.89	8.64	19.25
VII B	44.89	8.64	19.25
II C	44.89	8.64	19.25
XII A	44.89	8.64	19.25
XII B	44.89	8.64	19.25
XII C	44.89	8.64	19.25
TOTAL	448.90	86.40	

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	842	4	0	846
Public Bus	54	2	0	56
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	516	3	0	519
Taxi four-wheeler	0	0	0	0
Taxi three-wheeler	15	5	0	20

Personal four-wheeler	10	16	0	26
Personal two-wheeler	12	25	7	44
Bicycle	178	1		179
On foot	200	12	3	215
Others (non-motorised)				0
SUB-TOTAL	1827	68	10	1905

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

5

How many students suffer from respiratory ailments ?

10

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.	Mrs Sangeeta Sinha	prinkvaa@yahoo.com
2.	Mrs Reshman Pathan	prinkvaa@yahoo.com
3.	Mr Salauddin	prinkvaa@yahoo.com

Administrative staff

Sno.	Name	Email
1.	Mrs Mercy Alexander	prinkvaa@yahoo.com
2.	Mrs Geeta Balagangadharan	prinkvaa@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	GANGA SATHEESH	sindhulv6@gmail.com	11
2.	MANSI SINHA	arun14@hotmail.com	11
3.	NEHA RAVINDRA MANE	neha11072000@gmail.com	11
4.	PRACHI RAHANGDALE	rahangdaleprachi@gmail.com	11
5.	RAIMONI MAJHEE	lmajhee@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)	2035	7326.00	
Electricity from generator (diesel) (litres)	10	456.00	
Petrol (litres)	0	0.00	
Diesel (litres)	0	0.00	
CNG (kilogrammes)	0	0.00	
Kerosene (litres)	0	0.00	
Coal (kilogrammes)	0	0.00	
Wood (kilogrammes)	0	0.00	
Animal waste (kilogrammes)	0	0.00	
Solar (kwh)	0	0.00	
Wind (kwh)	0	0.00	
LPG (kilogrammes)	2	103.20	
Piped Natural Gas (kilogrammes)	0	0.00	
TOTAL	2047.00	7885.20	

Supporting Documents

1. lpg bill.jpg
2. diesel bill.jpg

4

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	1	1.2	0
Refrigerator	1	170	4

Microwave	0	0	0
Tube Lights	520	36	3
CFL Bulbs	20	20	3
LED Lights	20	18	5
Fans	252	80	5

Supporting Documents

1. fan.jpg
2. tube light.jpg

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

5

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

300

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.	MRS SANGEETA SINHA	prinkvaa@yahoo.com
2.	MRS M KHALASA	prinkvaa@yahoo.com
3.	MR D N KHATOI	prinkvaa@yahoo.com

Administrative staff

Sno.	Name	Email
1.	MRS GEETA BALAGANGADHARAN	prinkvaa@yahoo.com
2.	MRS MERCY ALEXANDER	prinkvaa@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	SAKSHEE SIDHARTH KADAM	prinkvaa@yahoo.com	11
2.	SAKSHI DERE	prinkvaa@yahoo.com	11
3.	SNEHA S DAS	prinkvaa@yahoo.com	11
4.	MANSI SINHA	prinkvaa@yahoo.com	11
5.	RUCHKA	prinkvaa@yahoo.com	11
6.	BICHUKALE SWARANJALI VILAS	prinkvaa@yahoo.com	11
7.	RUDRA TAMBE	prinkvaa@yahoo.com	11
8.	DEVIKA S VENU	prinkvaa@yahoo.com	11

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. LUNCH BOX.jpg

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

1827.00

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
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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?

No

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

Yes

7(a) Please provide the names?

CADBURRY CHOCHOLATE AND BISCUITS

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

No

Supporting Documents

1. community lunch.jpg
2. food survey 2.jpg



LAND

Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	MR D N KHATOI	prinkvaa@yahoo.com
2.	MRS M KHALASA	prinkvaa@yahoo.com
3.	MRS SANGEETA SINHA	prinkvaa@yahoo.com

Administrative staff

Sno.	Name	Email
1.	MRS GEETA BALAGANGADHARAN	prinkvaa@yahoo.com
2.	MRS MERCY ALEXANDER	prinkvaa@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	SNEHA S DAS	prinkvaa@yahoo.com	11
2.	SNEHA SUCHIT KELKAR	prinkvaa@yahoo.com	11
3.	SOUMYA	prinkvaa@yahoo.com	11
4.	VINISHA	prinkvaa@yahoo.com	11
5.	SAKSHI KADAM	prinkvaa@yahoo.com	11
6.	SAKSHEE DERE	prinkvaa@yahoo.com	11
7.	AMAN PANDEY	prinkvaa@yahoo.com	11
8.	KARTIKEY SHARMA	prinkvaa@yahoo.com	11
9.	PUROBI	prinkvaa@yahoo.com	8

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)	80,000
Ground coverage area	30,000
Green landscaped area on-ground	8,252

Surface parking area	1,000
Play area that is paved/ concrete on ground	8,000
Play area that has grass on ground	30,000
Service Area on ground	3,500
Roof and terrace area	2,000
Green cover on exposed roof & terrace	10
Total built up/constructed area	2,000
Total no. of floors	2
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	50	22	72
Animals	24	0	24

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. DSC04097.JPG
2. DSC04095.JPG
3. DSC04110.JPG
4. DSC04129.JPG
5. IMG-20161118-WA0012.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	MR S KALAMBE	prinkvaa@yahoo.com
2.	MR L B KALE	prinkvaa@yahoo.com
3.	MR A S VISHWAKARMA	prinkvaa@yahoo.com

Administrative staff

Sno.	Name	Email
1.	MRS MERCY ALEXANDER	prinkvaa@yahoo.com
2.	MRS GEETA BALAGANGADHARAN	prinkvaa@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	NEHA RAVINDRA MANE	prinkvaa@yahoo.com	11
2.	PRACHI RAHANGDALE	prinkvaa@yahoo.com	11
3.	RAIMONI MAJHEE	prinkvaa@yahoo.com	11
4.	ATHARVA SHARMA	prinkvaa@yahoo.com	11
5.	DURJEET SINGH TOMAR	prinkvaa@yahoo.com	11
6.	PAWAR SHUBHAM SHIVAJI	prinkvaa@yahoo.com	11
7.	PUROBI	prinkvaa@yahoo.com	8
8.	KRITIKA	prinkvaa@yahoo.com	10

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	2000
Toilet flushing	11000
Personal cleaning	500
Washing clothes	0

Cooking	0
Cleaning Utensils	0
Washing Vegetables	0
Mopping floors	200
Gardening	5000
Total	18700

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?

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

Supporting Documents

1. Project on conservation of water%2C clean self%2C clean water.docx
2. ongoing activities on water conservation %281%29.docx

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).

10000

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?

26

9 How many hand pumps do you have?

0

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

20

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

	Girls	Boys	Common	Total
Number of toilets	20	20		40

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

36

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

16

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

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

Supporting Documents

1. WASTE WATER TREATMENT PROCESS.jpg



WASTE

Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	MR D N KHATOI	prinkvaa@yahoo.com
2.	MR A S VISHWAKARMA	prinkvaa@yahoo.com
3.	MRS SANGEETA SINHA	prinkvaa@yahoo.com

Administrative staff

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2.	MRS GEETA BALAGANGADHARAN	prinkvaa@yahoo.com

Students

Sno.	Name	Email	Grade/Class
1.	RUCHIKA KHODADE	prinkvaa@yahoo.com	
2.	RUDRA TAMBE	prinkvaa@yahoo.com	
3.	SAKSHEE SIDHARTH KADAM	prinkvaa@yahoo.com	

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. 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	48	0	42	3	3

Playgrounds	3	0	1	1	1
Common area (e.g. reception, corridors)	6	0	4	1	1
Staffroom	3	0	1	2	0
Laboratory	4	0	1	2	1
Canteen	2	0	0	02	0
Clinic/ Sick room	1	0	0	0	1
Library	1	0	0	1	0
Toilets	10	0	4	6	0
Others	1	01	0	0	0
Total	79	1	53	18	7

Supporting Documents

1. segregation of waste.jpg
2. two dustbin.jpg
3. three dustbin.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	100
Kitchen waste	0
Paper	5
Plastic	0.5
Wood, glass, metal, classroom furniture	5
E-waste	0
Biomedical waste	.5
Sanitary waste	5

Construction and Demolition (C & D) waste	0
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	116

Supporting Documents

1. sorting of garbage.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	100
Kitchen waste	0
Paper	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)	105

5

Does your school have a composting facility?

Yes

Supporting Documents

1. composting.jpg
2. composting.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)	✗	✗	✗	✓

Supporting Documents

1. selling of newspaper to kabadiwala.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)

Supporting Documents

1. segregation of waste.jpg
2. sorting of garbage.jpg

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	5	5	
VCR or DVD players	2	2	
Refrigerators and freezers	1	1	
Washing machines	0	0	
Air conditioners	1	1	
Heaters	0	0	
Microwaves	0	0	
Ovens	1	1	
Toasters	0	0	
Electric Kettles	0	0	
Personal computers (CPU, mouse, screen and keyboard included)	150	125	25

Laptop computer (CPU, mouse, screen and keyboard included)	1	1	
Notebook computers	0	0	
Notepad computers	0	0	
Printers	8	6	2
Copying equipment (Photocopiers)	4	3	1
Projectors	15	15	0
Whiteboards	14	14	
Electrical & electronic typewriters	0	0	
Pocket & desk calculators	4	4	
Fax machines	1	1	
Telex	0	0	
Telephones	1	1	
Pay telephones	1	1	0
Mobiles	0	0	
Answering systems	0	0	

Supporting Documents

1. electronics items.jpg

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?

Yes

Policy document

Ongoing activities for conservation of water.pdf

13

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

Yes

Supporting Documents

1. poster making.jpg
2. display board decoration.jpg

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. Audit team doing work of sanitation checking.jpg



FEEDBACK

1

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

No

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?

No

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?

ways to monitor the air quality

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?

21.00

Checklist of uploaded documents

1. Fuel Bills
2. Electricity Bill
3. Picture of 5 star appliances used by school
4. Photographs of lunch boxes
5. Pictures of Green Cover
6. Pictures of landscaped area
7. Building construction plan
8. Pictures of bio-pesticides
9. Pictures of dustbins in classroom showing segregation at source
10. Pictures of playground with more than two dustbins
11. Picture of types of solid waste generated
12. Pictures of recycling units - composting pit, paper recycling machine, selling paper to kabadiwala, recyclers, etc
13. Pictures of housekeeping staff disposing different types of solid waste
14. Pictures of Electronic items used by school and storage of non-working electronic items
15. Waste Policy
16. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
17. Pictures of respective audit teams doing survey