

Responses for Green Schools Programme Audit 2016

School Name: KENDRIYA VIDYALAYA NO.1 SALT

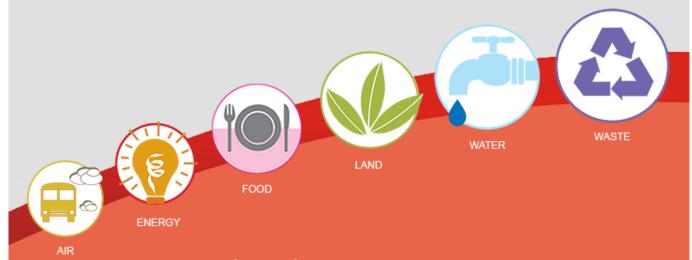
LAKE

Address: EB BLOCK LABONI SALT LAKE

SECTOR 1, KOLKATA, NORTH 24

PARGANA, West Bengal, India

Coordinator Name: MRS. S DEEPASHRI



Green Schools Programme

Centre for Science and Environment

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Tel: +91-11 29955124, 29956110, 40616000
http://www.greenschoolsprogramme.org/

SCHOOL PROFILE

KENDRIYA VIDYALAYA NO.1 SALT LAKE

2 Address

EB BLOCK LABONI SALT LAKE SECTOR 1, KOLKATA, NORTH 24 PARGANA, West Bengal, India

Telephone Number (Landline Number with STD code)

(ISD) 91 (STD) 033 (NUMBER) 23212767

Mobile Number (Mobile Number with STD code)

(ISD) 91 (Number) 9419125579

5 Principal Name

Sudhanya Karan

6 GSP Coordinator Name

MRS. S DEEPASHRI

GSP Coordinator Email

sdeepashri12@gmail.com

6 GSP Coordinator Mobile Number

(ISD)91 (Number) 7044075027

g 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	1222	1015	2237
Teachers	34	49	83
Non-Teaching Staff	17	3	20
TOTAL	1273	1067	2340

4(b) How many visitors visit your school

325

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

215

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

Sep, Oct

Where is the school located?

Urban Area



Task 1: Air Audit Team

Teachers

Sno.	Name	Email
1.	Alpana Sarkar Bhaumik	Alpana Sarkar Bhaumik
2.	S. Deepashri	sdeepashri12@gmail.com

Administrative staff

Sno.	Name	Email
1.	Swapan Ray	swapanray32@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Shayan S Roy	roylipi35@gmail.com	10
2.	Preksha Jha	jppreksha@gmail.com	10
3.	Saloni Pandey	salonipandey289@gmail.com	10
4.	Arka Biswas	k.Biswas2014@gmail.com	10
5.	Souparna Basak	souparna2110@gmail.com	10
6.	Harshita Dash	srmchapatraiob11@gmail.com	10
7.	Nargish Sanam Nakib	nargishsanam55@gmail.com	10
8.	Noble J Pradeep	pradeepancy@yahoo.co.in	10
9.	Rinkita Rishav	RKPG1971@gmail.com	10
10.	Sigma Sahu	sksahuaai@gmail.com	10

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

1 How many classrooms does your school have?

48

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)
ΙA	45.09	5.40	11.98

II A	45.09	5.40	11.98
IV B	45.09	5.40	11.98
VI A	45.09	5.40	11.98
VIII A	45.09	5.40	11.98
IX A	35.36	4.86	13.74
XII B	54.02	3.15	5.82
XII A	50.40	3.15	6.24
XI A	50.40	3.15	6.24
XII D	54.02	3.15	5.82
TOTAL	469.62	44.44	

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 does not use or own vehicles

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	0	0	0	0
Public Bus	1207	46	13	1266
School Transport(Other than bus)	0	0	0	0
Public transport (other than bus, Metro, car pool)	205	12	0	217
Taxi four-wheeler	23	0	0	23
Taxi three-wheeler	113	03	0	116
Personal four-wheeler	96	07	0	103
Personal two-wheeler	171	07	2	180
Bicycle	51	0	3	54

On foot	348	08	01	357
Others (non-motorised)	23	0	1	24
SUB-TOTAL	2237	83	20	2340

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

How many students suffer from respiratory ailments?

4

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

6(a)



ENERGY

Task 1: Energy Audit Team

Teachers

Sno.	Name	Email
1.	G.Nandi	gnandi60@gmail.com

Administrative staff

Sno.	Name	Email
1.	Priyanka S P	priyashreyan@gmail.com
2.	Swapan Ray	swapanryay32@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Aniket Mairal	mairalaniket@gmail.com	9
2.	Anurag Jana	anuragjanag@gmail.com	9
3.	Abhigyan Mondal	monoranjanmondal134@gmail.com	9
4.	Sankahdip Bag	bagbiswanath@yahoo.in	9
5.	Prachi Tiwary	nktiwary.1973@gmail.com	7
6.	Moitreyee Patra	sandipcbfsl@rediff.com	7
7.	Anurag Majumdar	anu2003rag@gmail.com	7
8.	Shashikala Maurya	lalchandmaurya68@gmail.com	7
9.	Shubjanjali Rai	subhirai_83@rediffmail.com	6
10.	Utkarsh Bajpai	switshreyarocks@gmail.com	6

Task 2: How much energy does your school consume?

1

Does your school have access to an electricity bill?

Yes

Supporting Documents

- 1. IMG_20161117_140049.jpg
- 2. IMG_20161117_140106.jpg

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)	11046	39765.60	1
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)	72.5	3741.00	3
Piped Natural Gas (kilogrammes)	0	0.00	0
TOTAL	11118.50	43506.60	

No documents uploaded by the school.

What appliances does your school have?

	Number	Size	BEE Star Rating
Air Conditioners	16	1.5	5 star
Refrigerator	02	330	4 star

Microwave	01	28	Nil
Tube Lights	364	40	Nil
CFL Bulbs	12	15	Nil
LED Lights	06	7	Nil
Fans	291	75	Nil

- 1. P1390276.JPG
- 2. P1390279.JPG
- 3. IMG_20161020_114438.jpg

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

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

200

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

No

No documents uploaded by the school for energy chapter.



Task 1: Food Audit Team

Teachers

Sno.	Name	Email
1.	M. Nag	malabikaghosh2604@gmail.com
2.	P.N. Mishra	kv1saltlake@gmail.com
3.	K.K. Prabhakar	kkpfeb1980@gmail.com

Administrative staff

Sno.	Name	Email
1.	Swapan Ray	swapanray32@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Ayshika Rakshit	ayshika2001@gmail.com	9
2.	Sandip Gupta	gsandip59@gmail.com	9
3.	Harsh Kumar	mantookumar01@gmail.com	9
4.	Bipasha Kundu	bipasha0212@gmail.com	9
5.	Nice Mary Pradeep	ancypradeepancy@yahoo.co.in	9
6.	Ayush Kumar	ayush2904@yahoo.in	9
7.	Monalisa Giri	monalisa.giri11@gmail.com	9
8.	Anuroj Thakur	anurojit@gmail.com	9
9.	Ayush Mahapatra	1972amp@gmail.com	9
10.	Jaya Mishra	momof ayush@gmail.com	9

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. IMG_20161117_113714.jpg
- 2. IMG_20161117_113735.jpg
- 3. IMG_20161117_113818.jpg

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

2095.00

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

230.00

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	6	600	9
Instant Noodles like Knorr, Cup-a- noodles, Top Ramen, Wai-wai, Yippee, Foodles, Maggi, etc	0	0	0
Potato fries and Burgers	1	50	9
Confectionery items (chocolate, candies, gums)	3	1100	9
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

- 1. IMG_20161025_131451.jpg
- 2. IMG_20161025_131529.jpg
- Does your school serve traditional Indian snacks?

Yes

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	95

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

Nil

Does your school serve traditional Indian beverages?

Yes

5(a) Details are as follows:

	Number of servings sold when on the menu
Nimboo pani	0
Sweet lassi	0
Salted butter milk	0

Aam Panna	0
Others	90

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?

Yes

7(a) Please provide the names?

Sweets from the local sweets & savories shop is provided

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

No

Supporting Documents

- 1. IMG_20161025_131739.jpg
- 2. IMG_20161025_131855.jpg



Task 1: Land Audit Team

Teachers

Sno.	Name	Email
1.	Aditi Choudhury	achoudhury9@gmail.com
2.	Sourav Paul	paul.sourav8@gmail.com
3.	Tarak Majumdar	kv1saltlake@gmail.com

Administrative staff

Sno.	Name	Email
1.	Raju Dhanuk	rajudhanuk2@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Ishika Km	manojmili123@gmail.com	8
2.	Sadiyah	samihah.khan@yahoo.co.in	8
3.	Snehal	barub2919@gmail.com	8
4.	Palak	kv1saltlake@gmail.com	8
5.	Ankita	boseratan@yahoo.com	8

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

Complete the table:

	Your school's area
Site area in square meter (m2)	12,063
Ground coverage area	2,640
Green landscaped area on-ground	670
Surface parking area	50
Play area that is paved/ concrete on ground	2,045
Play area that has grass on ground	2,023

Service Area on ground	0
Roof and terrace area	1,836
Green cover on exposed roof & terrace	0
Total built up/constructed area	5,006
Total no. of floors	4
Others	0

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	27	0	27
Animals	20	0	20

Task 4: Find out if your school uses pesticides

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

Yes

Supporting Documents

- 1. P1370333.JPG
- 2. P1370335.JPG
- 3. P1370337.JPG
- 4. P1370340.JPG
- 5. IMG_20161117_140311.jpg



WATER

Task 1: Water Audit Team

Teachers

Sno.	Name	Email
1.	S. Gaur	gaurramesh45@gmail.com
2.	Sohini Paul	sohiniksonar@gmail.com

Administrative staff

Sno.	Name	Email
1.	Priyanka S P	priyashreyan@gmail.com
2.	Raju Dhanuk	Rajudhanuk2@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Sohini Biswas	biswassantanu67@gmail.com	11
2.	Ankita Chakraborty	ankita.chakraborty1167@gmail.com	11
3.	Antara Naskar	riya.antara123456@gmail.com	9
4.	Mayuri Mukherjee	mayurimukherjee374@gmail.com	9
5.	Sakshi Mitra	kolkataanuj@gmail.com	9
6.	Shrawani Bala	shrawanibala16@gmail.com	9
7.	Pratik Raj	pratikraj.animation@gmail.com	11

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	3000
Personal cleaning	100
Washing clothes	20
Cooking	110

Cleaning Utensils	20
Washing Vegetables	40
Mopping floors	360
Gardening	240
Total	6890

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

Who supplies the water in your school?

Municipality

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?

What are the water conservation practices your school follows.

	Yes / No
Does your school have any water and sanitation policy?	No
If your school has an eco-club, do they have water component?	No
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?	No
Does your school use a drip or irrigation system?	No
Any other step taken for water conservation? (if Yes, please specify)	Yes

- 1. Other Steps for water conservation.docx
- 2. IMG_20161025_125154.jpg
- 3. IMG_20161025_125211.jpg
- 4. IMG_20161025_125343.jpg
- 5. IMG_20161117_115413.jpg

Task 5: Does your school harvest rainwater?

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

No

6(a) Calculate your school's rainwater harvesting potential (in litres).

4755953

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

Yes

How many drinking water taps do you have?

30

How many hand pumps do you have?

0

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

15

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

	Girls	Boys	Common	Total
Number of toilets	30	30	01	61

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

60

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

2

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

No

ls 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?

No

18(a) Please specify the fate of wastewater

Wastewater flows directly to the drains

Supporting Documents

1. IMG_20161025_125154.jpg



Task 1: Waste Audit Team

Teachers

Sno.	Name	Email
1.	K.K. Prabhakar	kkpfeb1980@gmail.com
2.	G. Nandi	gnandi60@gmail.com
3.	Ashesh Roy	ashes.roy1978@gmail.com

Administrative staff

Sno.	Name	Email
1.	Priyanka S P	priyashreyan@gmail.com
2.	Khokam Biswas	khokambiswas.2012@rediffmail.com
3.	Kakoli	kv1saltlake@gmail.com
4.	Raj	kv1saltlake@gmail.com

Students

Sno.	Name	Email	Grade/Class
1.	Suryasish Basu	www.debasishsuryasish@gmail.com	7A
2.	Prachi Tiwari	nr.tiwary1973@gmail.com	7D
3.	Chirag Tiwari	www.samajwadideepak@gmail.com	7C
4.	Ankit Gaur	rgaur@gmail.com	6A
5.	Souptik Pal	palmousami24@gmail.com	6C
6.	Apratim Choudhury	apratim04@gmail.com	6B
7.	Vyapti Jha	jppreksha@gmail.com	8A
8.	Nafiz Kaosar Hoque	kaousarnafiz85@gmail.com	8B
9.	Biswmoy Roy	biswajitroykol1964@gmail.com	8C
10.	Tiasha Sarkar	abhi.tanu04@gmail.com	6D

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

Does your school segregate solid waste?

No

Waste collection points in your school.

2

	Total No. of collection points	No bin	One bin	Two bins (wet & dry)	Three bins or more
Classrooms	48	0	48	0	0
Playgrounds	2	0	2	0	0
Common area (e.g. reception, corridors)	8	0	8	0	0
Staffroom	2	0	2	0	0
Laboratory	8	0	8	0	0
Canteen	1	0	1	0	0
Clinic/ Sick room	1	0	1	0	0
Library	1	0	1	0	0
Toilets	8	0	8	0	0
Others	10	0	10	0	0
Total	89	0	89	0	0

- 1. P1400653.JPG
- 2. Photo1320.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	3
Kitchen waste	7
Paper	20
Plastic	15
Wood, glass, metal, classroom furniture	7
E-waste	2

Biomedical waste	1
Sanitary waste	2.5
Construction and Demolition (C & D) waste	5
Hazardous waste	0
Total Generated Solid Waste (in kilogram)	62.5

- 1. P1370320.JPG
- 2. Photo1313.jpg
- 3. Photo1315.jpg
- 4. Photo1316.jpg
- 5. Photo1318.jpg

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

Does your school recycle any generated waste?

No

Does your school have a composting facility?

No

Does your school encourage students & teachers to reuse textbooks?

No

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?

Designated dumping site (Dhalao)

Supporting Documents

- 1. P1400649.JPG
- 2. P1400657.JPG
- 3. P1400659.JPG
- 4. Photo1312.jpg
- 5. P1400664.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	1	01	0
VCR or DVD players	16	16	0
Refrigerators and freezers	2	2	0
Washing machines	0	0	0

Air conditioners	16	16	0
Heaters	0	0	0
Microwaves	1	1	0
Ovens	0	0	0
Toasters	0	0	0
Electric Kettles	2	2	0
Personal computers (CPU, mouse, screen and keyboard included)	75	75	0
Laptop computer (CPU, mouse, screen and keyboard included)	2	2	0
Notebook computers	0	0	0
Notepad computers	0	0	0
Printers	11	11	0
Copying equipment (Photocopiers)	4	3	1
Projectors	16	13	3
Whiteboards	13	13	0
Electrical & electronic typewriters	0	0	0
Pocket & desk calculators	0	0	0
Fax machines	1	1	0
Telex	0	0	0
Telephones	2	2	0
Pay telephones	0	0	0
Mobiles	0	00	0
Answering systems	0	0	0

- 1. P1390277.JPG
- 2. IMG_20161117_144804.jpg
- 3. IMG_20161117_144835.jpg
- 4. IMG_20161020_114243.jpg

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

No

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

Supporting Documents

- 1. P1370320.JPG
- 2. big_84_1010.jpg
- 3. big_84_1019.jpg

What form do these awareness drives take?

As part of the curriculum

Is the study of the environment integrated into the curriculum?

Yes

Supporting Documents

- 1. IMG_20161020_114243.jpg
- 2. P1370320.JPG



FEEDBACK

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

No

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

No

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?

Practical tips that can be applicable in the school to make it 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

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

Nο

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? Once 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?

52.00

Checklist of uploaded documents

1. Fuel Bills

13(a)

- 2. Electricity Bill
- 3. Picture of 5 star appliances used by school
- 4. Photographs of lunch boxes
- 5. Picture of Canteen selling UPPF
- 6. Traditional food items sold in canteen
- 7. Pictures of landscaped area
- 8. Building construction plan
- 9. Pictures of dustbins in classroom showing segregation at source
- 10. Pictures of playground with more than two dustbins
- 11. Picture of audit team weighing solid waste
- 12. Picture of types of solid waste generated
- 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. Pictures of various school initiatives e.g. rally, debate, street play, art competition, etc
- 16. Pictures of respective audit teams doing survey