



GYAN MANDIR PUBLIC SCHOOL

E-Block, Naraina Vihar, New Delhi-110028

www.gyanmandirpublicschool.com



Socially Responsible School



A CBSE New Generation School

We are a Microsoft Showcase School



REUSE PLASTIC: Green Area





SOLAR PANELS



WATER HARVESTING



NUTRITION GARDEN



HERBAL GARDEN



SOLAR LIGHTS IN THE SCHOOL PLAYGROUND

**SOLAR LIGHTS IN THE
SCHOOL PLAYGROUND**



Best practices followed in our school

Herbal Garden



Students Developing Herbal Garden



HERBAL GARDEN (GROUND/ROOFTOP)

EXPANSION OF NURSERY AND HERBAL GARDEN

EDUCATING STUDENTS IN PARTICULAR & PUBLIC/COMMUNITY IN GENERAL
ABOUT HEALTH BENEFITS OF NATURAL REMEDIES THROUGH HOME GROWN
HERBS

GENERATING FINANCIAL RESOURCES TO EXPAND PROJECT TO HELP FOR
EMPLOYMENT OF UNDERPRIVILEGED SECTION OF THE SOCIETY



VERTICAL PLANTATION ON WALLS AND ROOFTOP

(BIODIVERSITY) WIDE VARIETY OF PLANTS ON THE ROOF TOP AND ON THE WALLS



PURIFICATION OF AIR

GREENERY ENRICHMENT

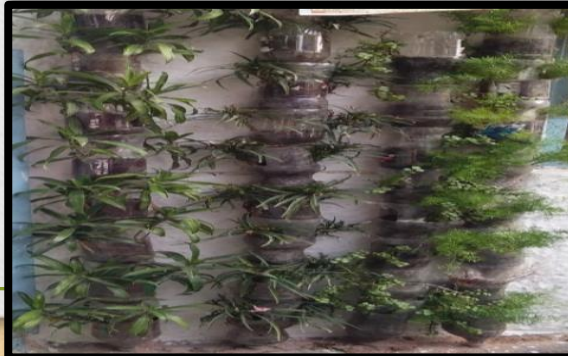
“PLANTING A TREE WITH MANY BENEFITS”

OVERVIEW AND PLANNING STRUCTURE

TOTAL SCHOOL AREA - 1.76 ACRES
THE SCHOOL GROUND AREA IS ALL
UTILISED .

VERTICAL PLANTATION ON
WALLS/ROOFTOPS
TOTAL SCHOOL WALL AREA – 9300 sq. ft.
Area that can be utilized for vertical plantation-
750 sq. ft.

TOTAL ROOFTOP AREA (AVAILABLE
FOR PLANTATION)= 183 sq.m+
DEPRESSION HOTSPOTS



FANTABULOUS CREATIONS FROM WASTE PLASTIC BY THE GREEN BRIGADE OF OUR SCHOOL



VERTICAL GARDEN MADE OF WASTE PLASTIC BOTTLES

Beat Plastic Pollution



Rain Water Harvesting



Refill Pit

Mega Tree Plantation Drive



Workshop On Making of Solar Lamp

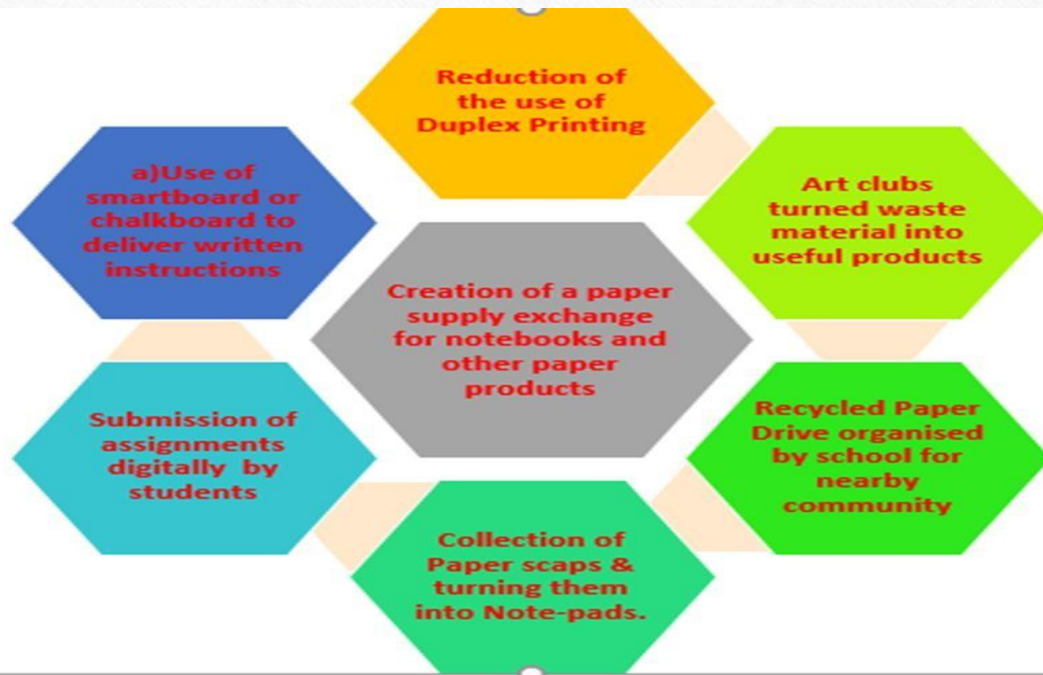


GYANODIANS AIM FOR ZERO FOOD WASTE

TO BE ABLE TO FIGHT FOOD WASTAGE THROUGH INNOVATIONS IN WASTE MANAGEMENT TECHNIQUES

ORGANIC WASTE COMPOST PIT





- **ZERO-WASTE GREEN SCHOOL**
 - Our school conducted various **waste management projects** that generated interest in the topic of solid waste as an environmental issue.
 - Our project focused on reducing, reusing, and recycling material waste generated at a school.

WATER ACTION PLAN

- ❖ Our plan was to track the flow of water in our school so that we can find the location in our school which was the prime target for water leakage.
- ❖ Our target was to reuse the waste water for using it in the toilets' flush system.
- ❖ We have an efficient piping and drainage system to store collected rain water and to discharge it directly in the ground . It helps to replenish the groundwater level .

IDENTIFICATION OF WATER RAIN WATER COLLECTION POINTS



TRACKING WATER FLOW



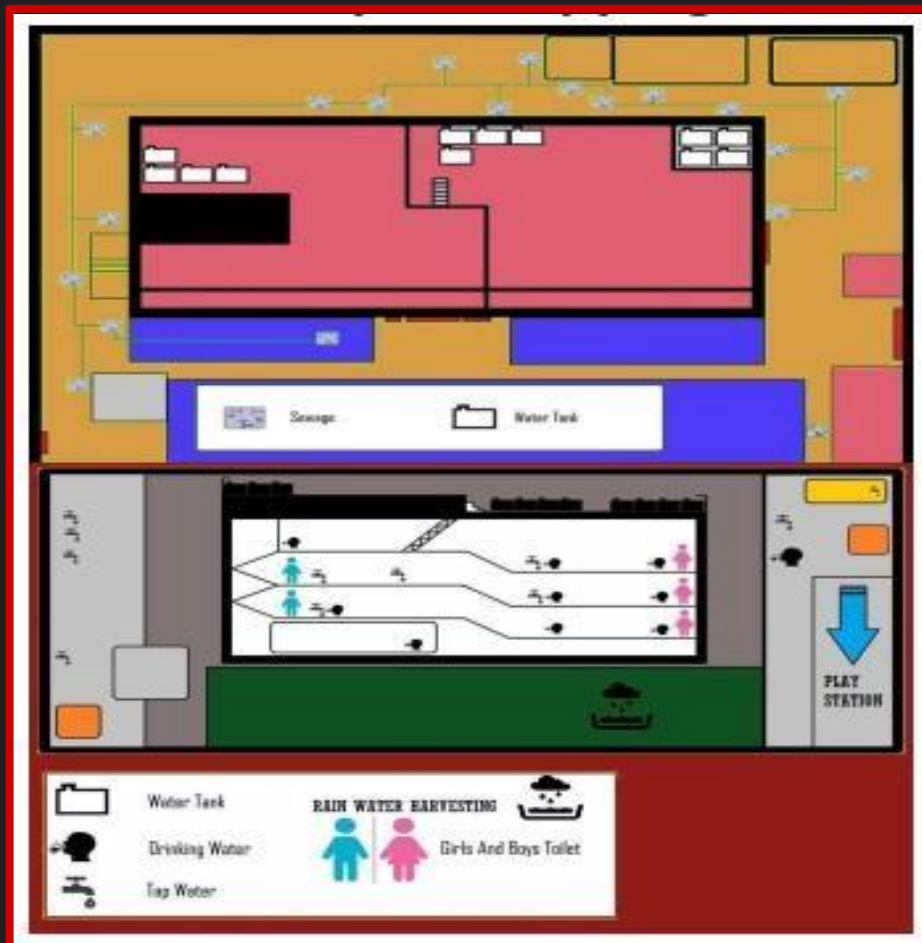
RAIN WATER HARVESTING



WATER MANAGEMENT

Mapping of water zones- Data was collected regarding the water consumption details so that its unnecessary usage can be avoided.

MAPPING OF WATER POINTS



STORAGE CAPACITY



INNOVATIVE SOLUTIONS

1. 'Smart tap' - A project under development which would reduce the wastage of water at wash basin .
2. Installation of Water ATMs proposed by school authority - They are automated and have low operational labor requirements. They provide free and pure drinking water to the people who cannot afford clean drinking water.

SMART TAPS



WATER ATMs



TREE CENSUS

Number of trees planted in the school premises and in the surrounding park -

1. Number of trees planted in school - 20
2. Number of plants planted in school - 150
3. Number of trees planted in school surrounding - 150
4. Number of plants planted in school surrounding - 100

TREE SURVEY								
of								
Central Park, Naraina Vihar								
Tree No.	Name of Tree (Common)	Botanical Name	Location of Tree	Girth in Cms. at 1.4m	Approx. Height in feet	Health of Tree	Soil Condition around the tree	General spread of Canopy
1	PEEPAL	Ficus religiosa	P	210	40	H	S	18
2	SATYBA	Eucalyptus obliqua	P	145	25	H	S	5
3	PEELU KANER	Thaveta parviflora	P	40	15	H	S	8
4	PEELU KANER	Thaveta parviflora	P	60	15	H	S	8
5	BARKAN	Melia azadirach	P	210	35	H	S	15
6	ASROK	Polyalthia longifolia	P	45	15	H	S	8
7	ASROK	Polyalthia longifolia	P	65	15	H	S	8
8	ASROK	Polyalthia longifolia	P	40	16	H	S	5
9	ASROK	Polyalthia longifolia	P	70	18	H	S	10
10	AMALYAS	Cassia fistula	P	95	25	H	S	12
11	ASROK	Polyalthia longifolia	P	45	10	H	S	8
12	ASROK	Polyalthia longifolia	P	65	18	H	S	8
13	ASROK	Polyalthia longifolia	P	65	18	H	S	8
14	LEMBEYA		P	101	20	H	S	12
15	PAPER	Ehretia laevis	P	196	20	H	S	158
16	AMALYAS	Cassia fistula	P	12	28	H	S	192
17	ASROK	Polyalthia longifolia	P	40	10	H	S	5
18	ASROK	Polyalthia longifolia	P	60	15	H	S	5
19	ASROK	Polyalthia longifolia	P	60	15	H	S	5
20	ASROK	Polyalthia longifolia	P	95	15	H	S	5
21	ASROK	Polyalthia longifolia	P	72	20	H	S	8
22	ASROK	Polyalthia longifolia	P	60	10	H	S	4
23	ASROK	Polyalthia longifolia	P	80	20	H	S	8
24	ASROK	Polyalthia longifolia	P	55	10	H	S	4
25	AMALYAS	Cassia fistula	P	110	20	H	S	12

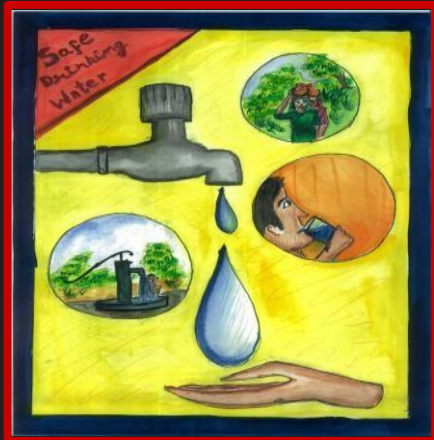


COMMUNITY LEVEL APPROACH

Our school has always took part at community level to sensitize the citizens regarding the issue of water conservation practices . School has conducted various awareness programs through

- 1 . Street plays
2. Speech , Rap songs
3. Poster – Making, Rallies
4. Buckets were provided to the local vendors so that instead of using pipe or tap water for washing their vegetables, they could use buckets to minimize water wastage.
5. Installation of Water - ATMs proposed by school authority .

POSTERS



STREET PLAY



BUCKET DISTRIBUTION



RALLY



CHALLENGE 1 TO TEST THE DRINKING WATER FOR ITS POTABILITY AND REDUCE WATERBORNE DISEASES IN NEARBY AREAS

Aim :

- To make people aware about potability of water.
- To check contamination in the available water source
- Collected different samples of water from various places.
- If the colour of the water remains colorless or changes to pale yellow, it is suitable for drinking and if it changes to black colour, it is not fit for drinking.



SOLUTIONS

1. Potable drinking water available at low cost.
2. Cost effective , eco friendly process – Save Natural Resources
3. Reduce the incidence of water borne disease.



Community Terafil water filter(1000 lit. day capacity)

IMPACT

1. Natural process – No expenditure of energy
2. Enhancement and development of skills and entrepreneurship
3. Support Pottery Industry
4. Reduce the incidence of water borne disease.

FUTURE PROSPECTS

1. Collaborate with research institutes like Shri Ram Institute for Industrial Research for further analysis
2. Replicate this project in other areas to improve community health.



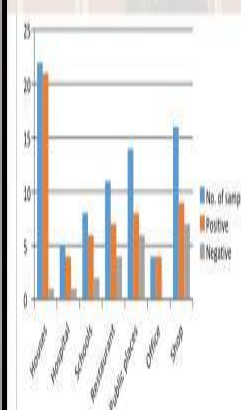
On-line Terafil water filter

Technical Support –
1. LivPure Technologies 2. CSIR

FEATURES OF TERAFIL WATER FILTER

Our school is a nodal centre & associated six neighboring schools in this endeavour

- SKV, Naraina Vihar
- Rock Vale School
- Tagore Public School
- Kalgidhar Public School
- Saint Giri School
- SKR PUBLIC SCHOOL



RESULTS

- Low cost device to filter impure water into clean drinking water
- Burnt red clay (terracotta) porous media used for filtration and treatment of water for drinking.
- Activated during sintering process and the clay is negatively charged.
- Removes nearly 99% of turbidity, 95-100% of micro-organisms, 90-95% of soluble iron, colour, bad odour etc.
- Clean by scrubbing or cleaning the top surface of the Terafil disc with a soft nylon
- Remove the sediments and open the new pores for rejuvenation of filtration process.



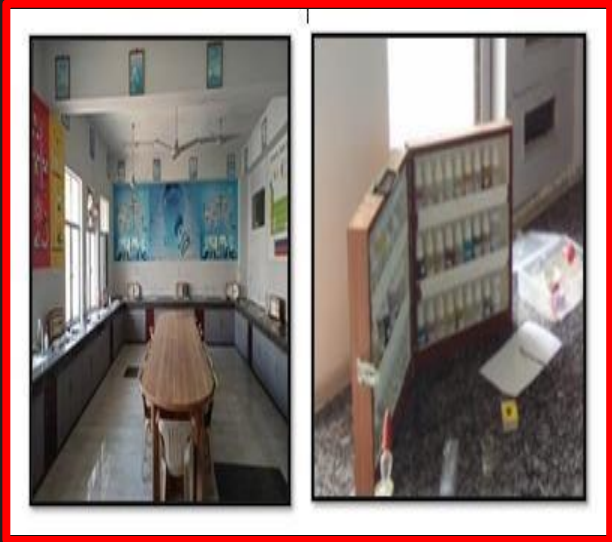
TERAFIL disc fitted with holder



Domestic Terafil filter

MORE SOLUTIONS...

MICROSCALE CHEMSITRY LAB



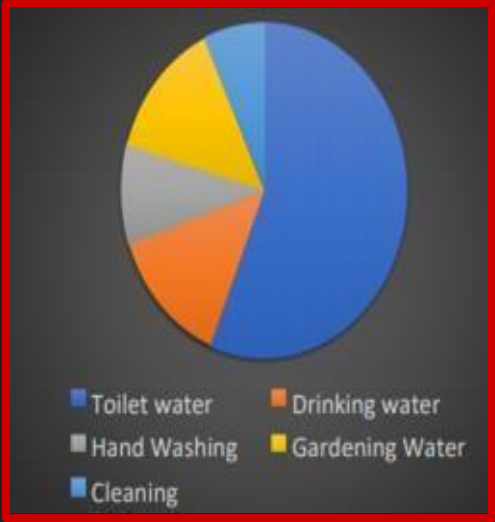
SPEECH



CLASSROOM CONNECT



USAGE PROPORTION



BUCKETS NEAR WASH BASIN

For cleaning of washrooms, we use the water which is collected when a student washes his or her hands. We keep buckets under washbasins to collect used water.

This method also helps us to save water to a large extent.



Save Yamuna Project





The Management, Staff & Students of
GYAN MANDIR PUBLIC SCHOOL

E-Block, Naraina Vihar, New Delhi-110028



Cordially invite you to

OPEN DAY - 2019

An Environmental Awareness Programme

BEAT AIR POLLUTION

★ **FEST for COMMUNITIES to CHANGE**

at 9.00 a.m. on Saturday 27th July, 2019

in the school premises



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We are a Microsoft Showcase School





GYAN MANDIR PUBLIC SCHOOL

E-Block, Naraina Vihar, New Delhi-110028



Dear All,

Gyan Mandir Public School, Naraina Vihar, New Delhi, has taken initiative to create awareness among the people on the theme **'HOW TO BEAT AIR POLLUTION'**. Everyone of you join your hands and come together for this noble cause for improving **AIR QUALITY INDEX (AQI)**.

Some Dos	Some Don'ts
USE PUBLIC TRANSPORT	DO NOT BURN FOSSIL FUELS
CONSERVE ENERGY	DO NOT BURN CRACKERS
INSTALL AIR PURIFIER	DO NOT SMOKE INDOORS
PLANT INDOOR PLANTS	DO NOT KEEP TRASH IN THE OPEN
KEEP YOUR GAS STOVE CLEAN AND WELL VENTILATED	DO NOT USE PESTICIDES
VENTILATE YOUR HOME, SAVE NATURAL RESOURCES	DO NOT BURN NATURAL RESOURCES

Keep the following plants inside your house:

Wish you all a green and healthy environment!

Eco-Friendly Gyanodians!



ALOE VERA



SNAKE PLANT



MONEY PLANT



ARECA PALM



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Microscale Chemistry Lab

- No Chemical Pollution
- No harmful gases evolution
- Safe for Students
- No Hazards, Economical- less amount of chemical used





Community Outreach Programmes



A CBSE New Generation School



Community Outreach Program

Workshop - Sparrow Nest Making
organised by Eco-Roots Foundation

A Noble Initiative-Sparrow Conservation
GYAN MANDIR PUBLIC SCHOOL
GREEN ASSOCIATION OF NARAINA VIHAR

Use For Sparrow

Tips To Save "Gracious Gauraiya"

1. Make Bird House & Set in Balcony or On a Tree at 8-10 Ft.
2. Keep a Water Bowl on an Elevated Space and Grains in Your Verandha
3. Manure Open Lands to Facilitate Growth of Insects

LET'S MAKE OUR LOCALITY SPARROW FRIENDLY
OWN A "SPARROW HOUSE" CONTACT SCHOOL OFFICE: 25793687, 25892445



Community Outreach Program

DISTRIBUTING CLOTH BAGS IN THE COMMUNITY



Community Outreach Program

TESTING OF DRINKING WATER FOR ITS POTABILITY AND REDUCE WATERBORNE DISEASES IN NEARBY AREAS

Aim :

- ❖ To make people aware about potability of water.
- ❖ To check contamination in the available water source

Collected different samples of water from various places.

- If the water remains colorless or changes to pale yellow, it is suitable for drinking and if it changes to black colour, it is not fit for drinking.



Community Outreach Program

WASTE MANAGEMENT & IMPROVING COMMUNITY HEALTH

- Large Heaps of Waste collected and Segregated
- Bio – Degradable Waste
- Park and Garden Waste
- Food and Kitchen Waste from House hold
- Decomposition
- Rapid composting through technology with different microbial consortia to obtain valuable good quality compost.



Community Outreach Programm

URJA MELA & E-WASTE COLLECTION DRIVE



Number of plants in our school: 854

S. No	Name of the plant	No. of plants
1	Ashok vans	33
2	Faiks	61
3	Bottle pam	18
4	Sharika pam	40
5	Neem	11
6	Kadi patta	7
7	Chayama pam	6
8	More paravi	4
9	Fovseny pam	2
10	Chivur	3
11	Jamun	6
12	Amrud	2
13	Gold mohar	3
15	Champa	6

S.NO	Name of plant	No. of plants
16	Rapis pam	2
17	Karotan	4
18	bagan velaya	7
19	Orahal	6
20	Anaar	4
21	Pakri	4
22	Jangli neem	8
23	imlie	4
24	gular	1
25	Badh	1
26	Kanel	1
27	Pipal	1
28	Arjun	1
29	Jamla plant	300
30	Bottle plant	300
31	Sehtut	1
Total – 854		

Accolades

1. [Home](#) » [Schools](#) » [GSP AWARDS 2015-2016](#) » Is your school green?

Is your school green?

GREEN (70% & above)		YELLOW (between 50-69.9%)		ORANGE (between 35-49.9%)		RED (below 39.9%)
Sr.No	School Name	State	City	Principal Name	Coordinator Name	How Green is Your School?
1	Father Agnel School, Greater Noida	Uttar Pradesh	Greater Noida	Sr. Shamita	Dr. Sumita Khan and Dr. Shiwani Sharma	
2	Queen's Valley School	Delhi	new delhi	Namita Sharma	Neetu Singh	
3	GSSS Majheoti, PO Devnagar, Tehsil Rampur Bsr.	Himachal Pradesh	Rampur Bsr.	Sudesh Kumar	Ranjeet Singh (TGT Medical)	
4	Sonam Choda Lepcha Memorial Govt. Secondary School	Sikkim	Mangan	Jorbu Tshering Lepcha	Mr. Bhim Prasad Sharma	
5	Govt Sr. Sec.School, Thalli Chakti	Himachal Pradesh	RANOLI	SH TEK SINGH	BHUPENDER SINGH	
6	DAV International School	Haryana	AMRITSAR	Anjana Gupta	Neetu Grover	
7	The Pinnacle School	Delhi	New Delhi	Mrs. Jasmeet Kaur	Ms. Neelam Tandon and Ms. Priyanka Mahajan	
8	Mangzing	Sikkim	Mangan	Mr. Khem Lall Sharma	Khem Lall Sharma	
9	Birla Balika Vidyapeeth	Rajasthan	Pilani	Dr. (Mrs.) M. Kasturi	Dr. (Mrs.) Vijayshree Singh	
10	ASN Senior Secondary School	Delhi	Delhi	Sonia Luthra	Monica Kapahi	
11	Mount Litera Zee School, Moga	Punjab	Moga	Ms. Parminder Kaur	Ms. Parminder Kaur	
12	ST. GEORGE'S SCHOOL	Delhi	NEW DELHI	SARA GEORGE	SONIA ARORA, DOLLY MALHOTRA	
13	KENDRIYA VIDYALAYA no. 1, RCF	Punjab	KAPURTHALA	SH. UMED SINGH	ABHILASHA	
14	THE SOVEREIGN SCHOOL	Delhi	DELHI	PREETIKA GUPTA	Ms. NEENA ARORA	
15	MOUNT LITERA PUBLIC SCHOOL	Bihar	BEGUSARAI	Mrs. Sheetal Deva	Amrit Kumar	
16	Amity International School	Delhi	DELHI	Dr. Priyanka Mehta	Richa Sharma	
17	INDIRAPURAM PUBLIC SCHOOL	Uttar Pradesh	GHAZIABAD	Ms. RENU SHARMA	Ms. SHALINI SINGH	
18	J.C. MAHINDRA MEMORIAL SCHOOL	Maharashtra	PANOLI	PRASHANT U. PITKULE	MRS. DEEPA MENON	
19	Government Secondary School Aho Shanti	Sikkim	Pakyong	Anant Kumar Bhandari	Mr. Dilip Kumar Rai	
20	BAL BHARATI PUBLIC SCHOOL NOIDA	Uttar Pradesh	NOIDA	Asha Prabhakar	Mrs. Neerja Bhatnagar	
21	SALWAN PUBLIC SCHOOL	Delhi	NEW DELHI	Dr. (Mrs.) INDU KHETARPAL	Ms. Anuradha Mathur	
22	HAYDE HERITAGE ACADEMY	Uttarakhand	KOTDWARA	Rupamala Singh	Suyash Abhinav Singh	
23	INDIRAPURAM PUBLIC SCHOOL	Uttar Pradesh	GHAZIABAD	MRS. SUSHMA NEGI	DR. MALTI LAKRA	
24	Gyan Mandir Public School	Delhi	New Delhi	Sumati Anand	Mrs. Sonali Chopra	
25	Kendriya Vidyalaya Baran	Rajasthan	Baran	AJAY KUMAR SINHA	Murari Lal Mahawar, Dr. Niraj Singh	

Accolades



CENTRE FOR SCIENCE AND ENVIRONMENT GREEN SCHOOLS PROGRAMME



*Gyan Mandir Public School
South West Delhi, Delhi*

Year: **2019-20**

GREEN — 70% and above

YELLOW — between 50 to 69.9%

ORANGE — between 35 to 49.9%

RED — between 0 to 34.9%

based on all-India rating of Green Schools

Sunita Narain
Director General
CSE

Accolades World Environment Day



Accolades



Earth Day Network's All India Competition for Schools To Focus on Environmental Issues With Special Events at Morning Assembly Certificate of Appreciation Awarded to Gyan Mandir Public School, New Delhi



Powered by



IHA Foundation, Kolkata



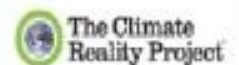
Contact the Earth Day Network Team at earthdaynetworkindia@gmail.com
Follow us on [f](#) EarthDayNetwork [f](#) Earth.Day.Network.India [f](#) greencitiesindia

Your school is commended
for its green efforts

Outreach Partners



With the support of
New Delhi Office
Climate Office for Bangladesh,
Bhutan, India, Maldives,
Nepal and Sri Lanka



Accolades



CENTRE FOR SCIENCE AND ENVIRONMENT GREEN SCHOOLS PROGRAMME



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based on all-India rating of Green Schools

Sunita Narain

Sunita Narain
Director General
CSE



E-WASTE COLLECTION AWARD



EARTH DAY AWARD



RESTORE
OUR
EARTH



Winner Earth Day Schools 2021

Gyan Mandir Public School
Naraina Vihar, New Delhi

Karuna A Singh

Karuna Singh
Regional Director, Asia
Country Director EARTHDAY.ORG-India

Kathleen Rogers

Kathleen Rogers
President, EARTHDAY.ORG



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Twitter: @EarthDay_India

IGBC GREEN YOUR SCHOOL AWARD

IGBC Green Your School Program 2020

Virtual Award Ceremony



wipro earthian

wipro foundation

STUDENTS

Akshat Tanwar

Sneha Tanwar

Jahanvi Chawla

Ayush Bharti

Aditya Prasad Sahu

TEACHER

Monika Lamba

Gyan Mandir Public School, Naraina Vihar,
New Delhi

Waste

Shortlisted schools

Wipro earthian 2023 Award Event

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18°C Srinagar 10:14 12-02-2023

GLOBAL SUSTAINABILITY AWARDS

10 DEC 2021

SOCIALLY RESPONSIBLE SCHOOL - BRONZE

Awarded to

Gyan Mandir Public School

NARAINA, NEW DELHI, INDIA

For excellence in community work



Ritu Malhotra

[Signature]

Karuna A Singh



SOCIALLY RESPONSIBLE SCHOOL AWARD

