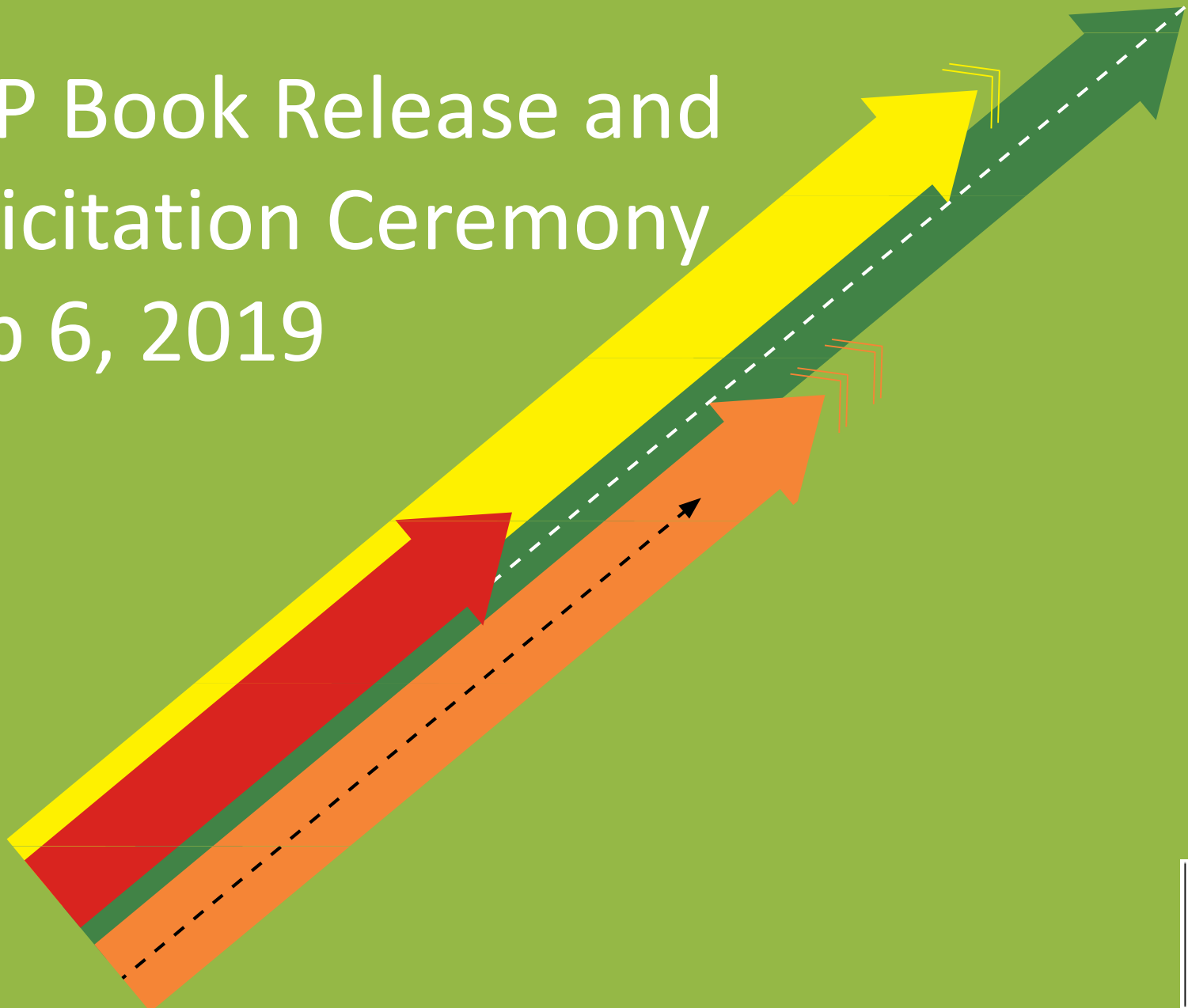


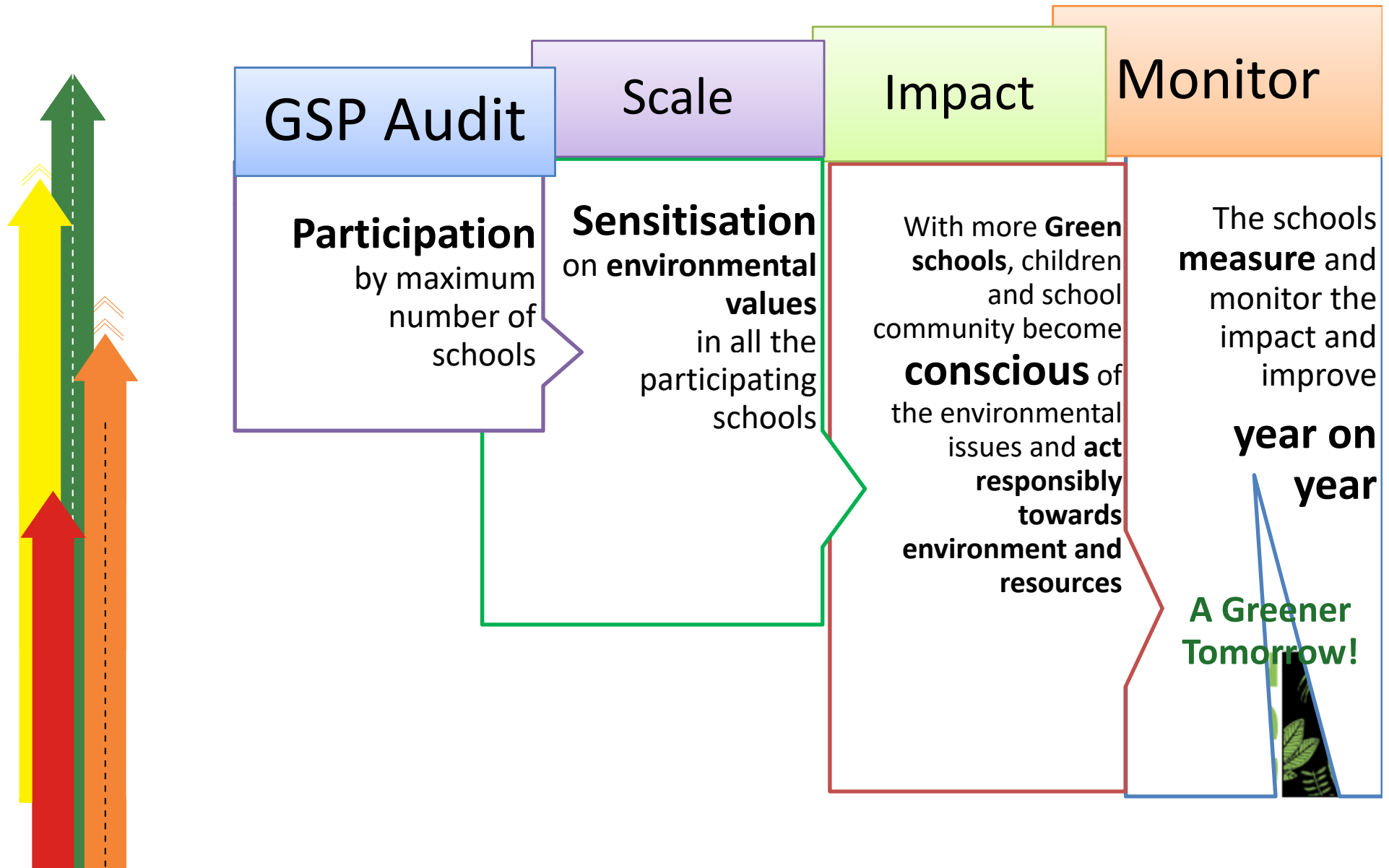


GSP Book Release and Felicitation Ceremony Feb 6, 2019





GSP Audit: Awareness – Action – Impact – Monitor





GSP - Environment Audit

An assessment of the extent to which an organization is observing practices which minimize harm to the environment

Environmental Audit

Air

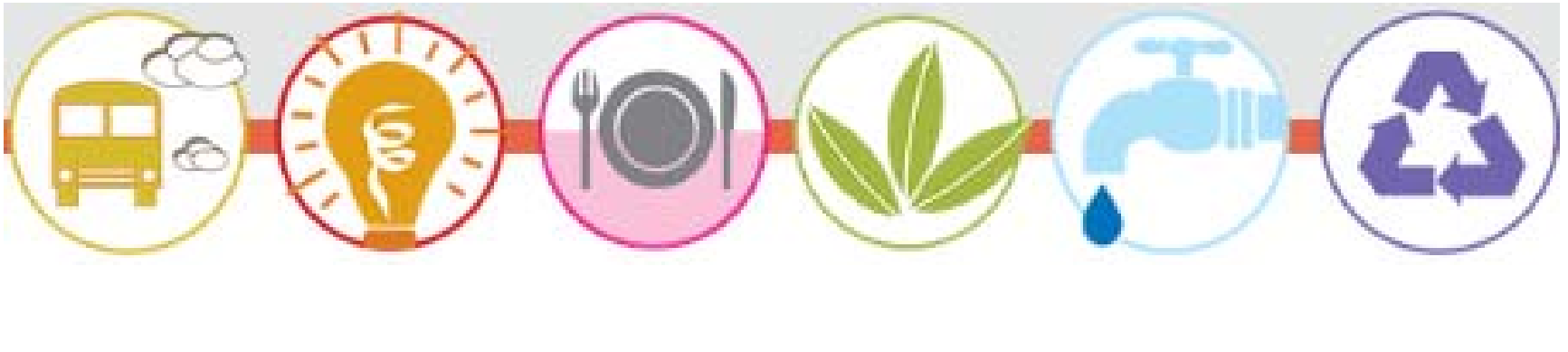
Energy

Food

Land

Water

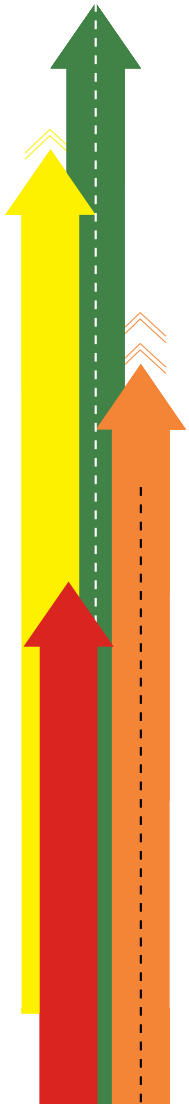
Waste





GSP Audit 2018 - snapshot

- 29 states and 5 UTs participated in the GSP Audit
- For the past two years,
Andhra Pradesh has been the leading state with highest participation followed by – **Punjab** and **Himachal Pradesh**





Environment and Education

- Ms Neerja Bhatnagar

Bal Bharati Public School, Noida

A teacher's view on environment education

- Ms Jalpa Shah

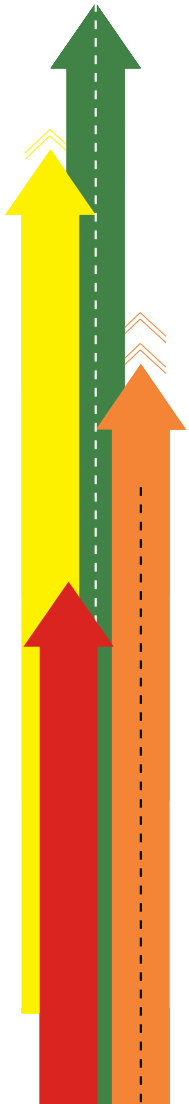
Jain Public School, Kanchipuram, Tamil Nadu

A principal's view on environment education





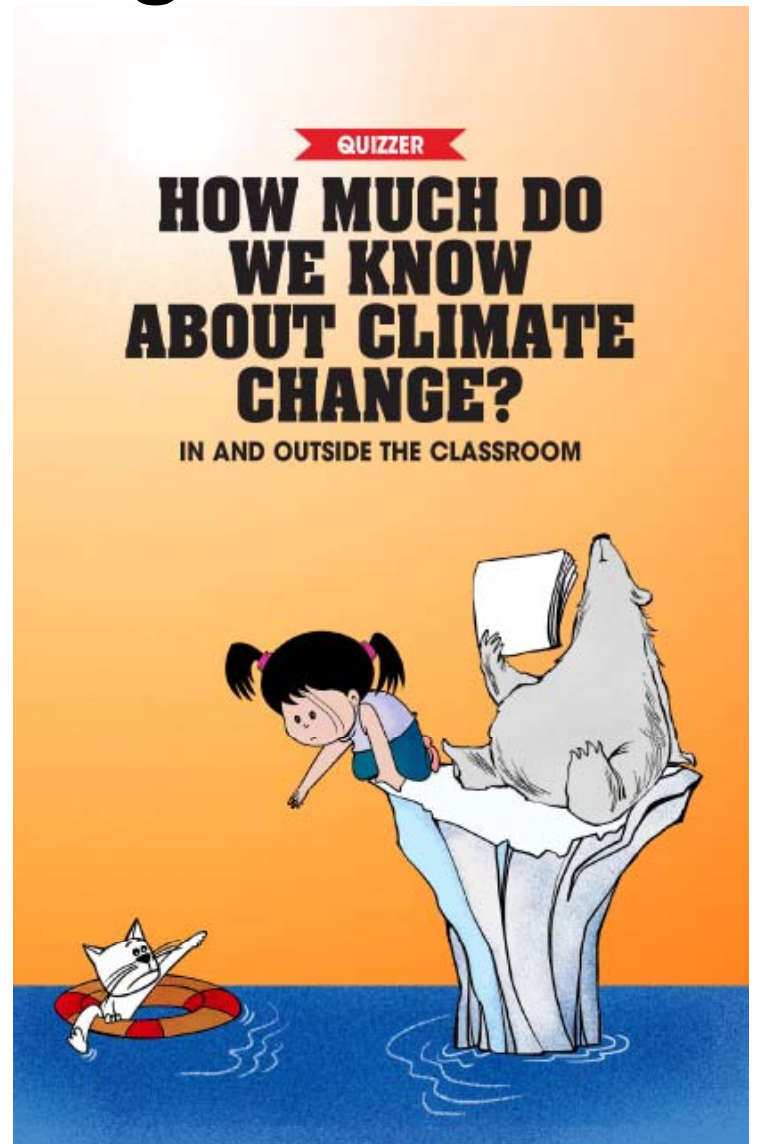
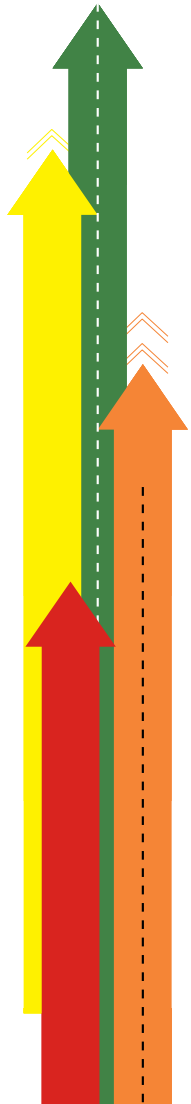
Fun quiz session





How Much Do We Know About Climate Change

In and outside the classroom





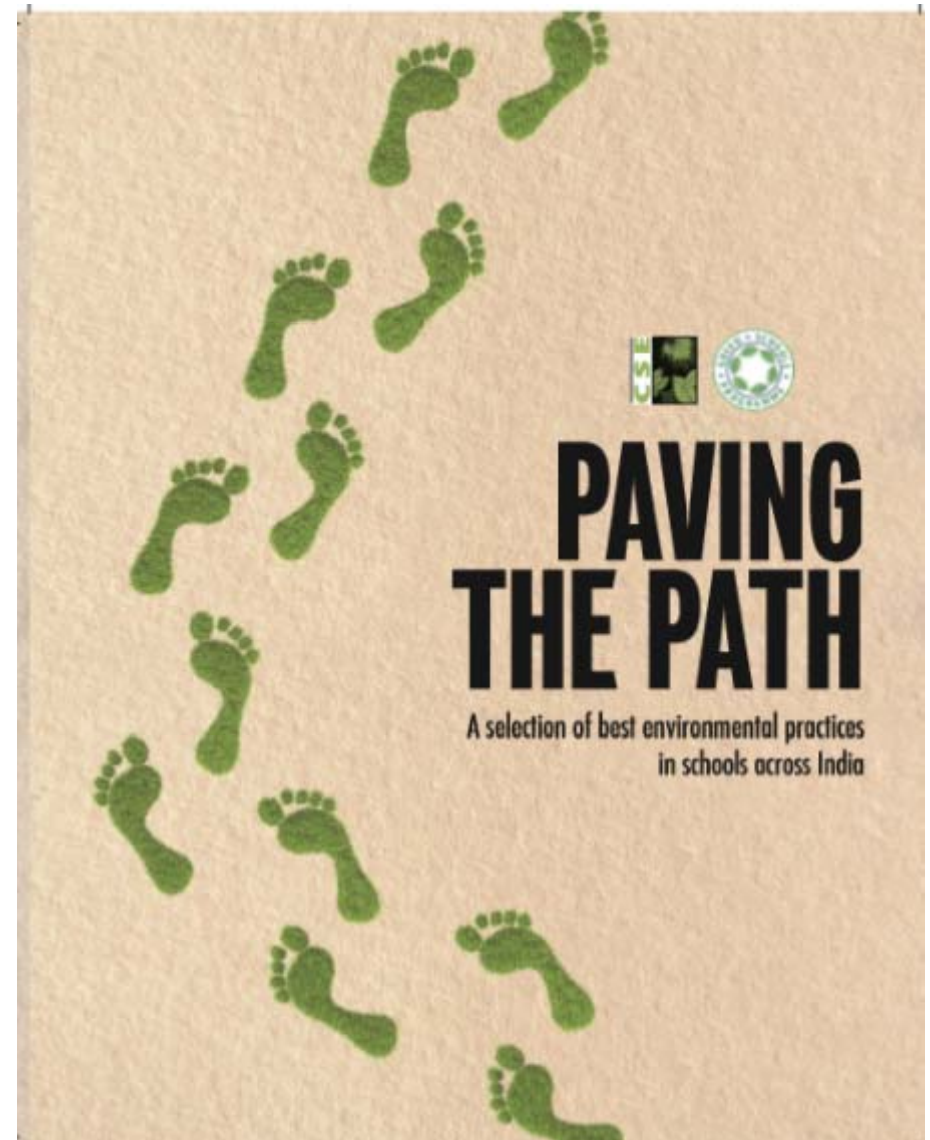
Paving The Path

A selection of best environmental practices in schools across India

Contents

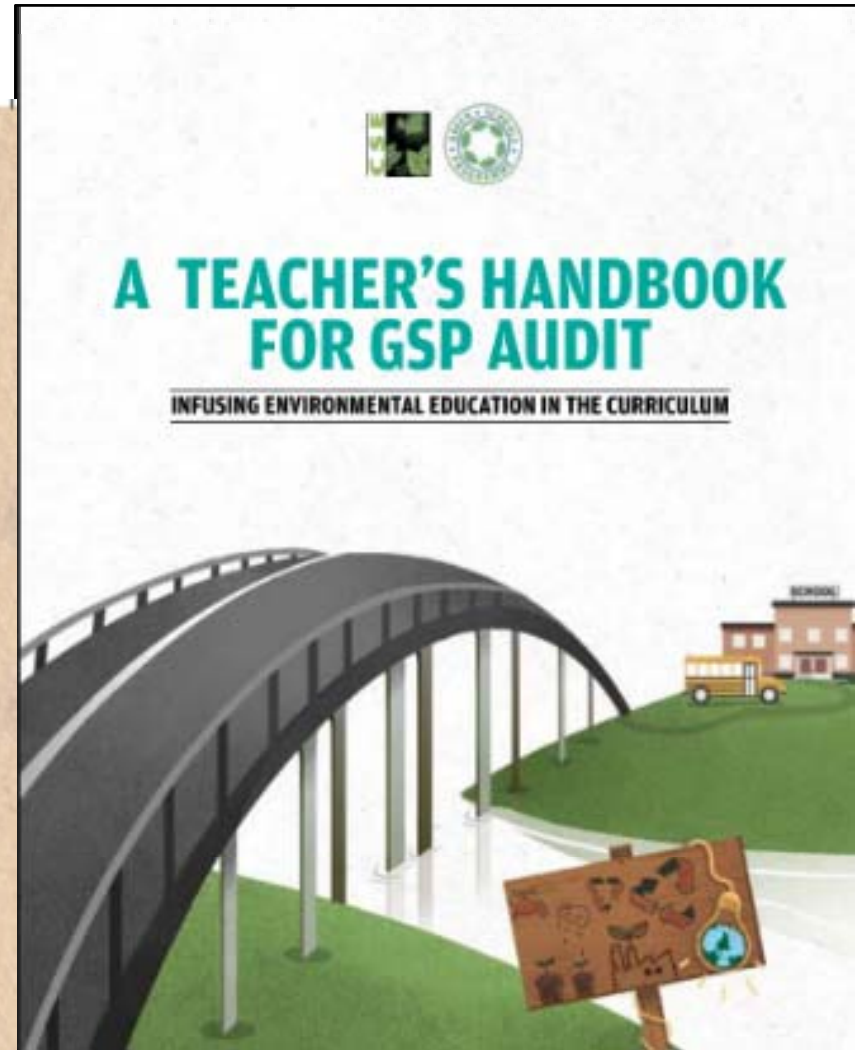
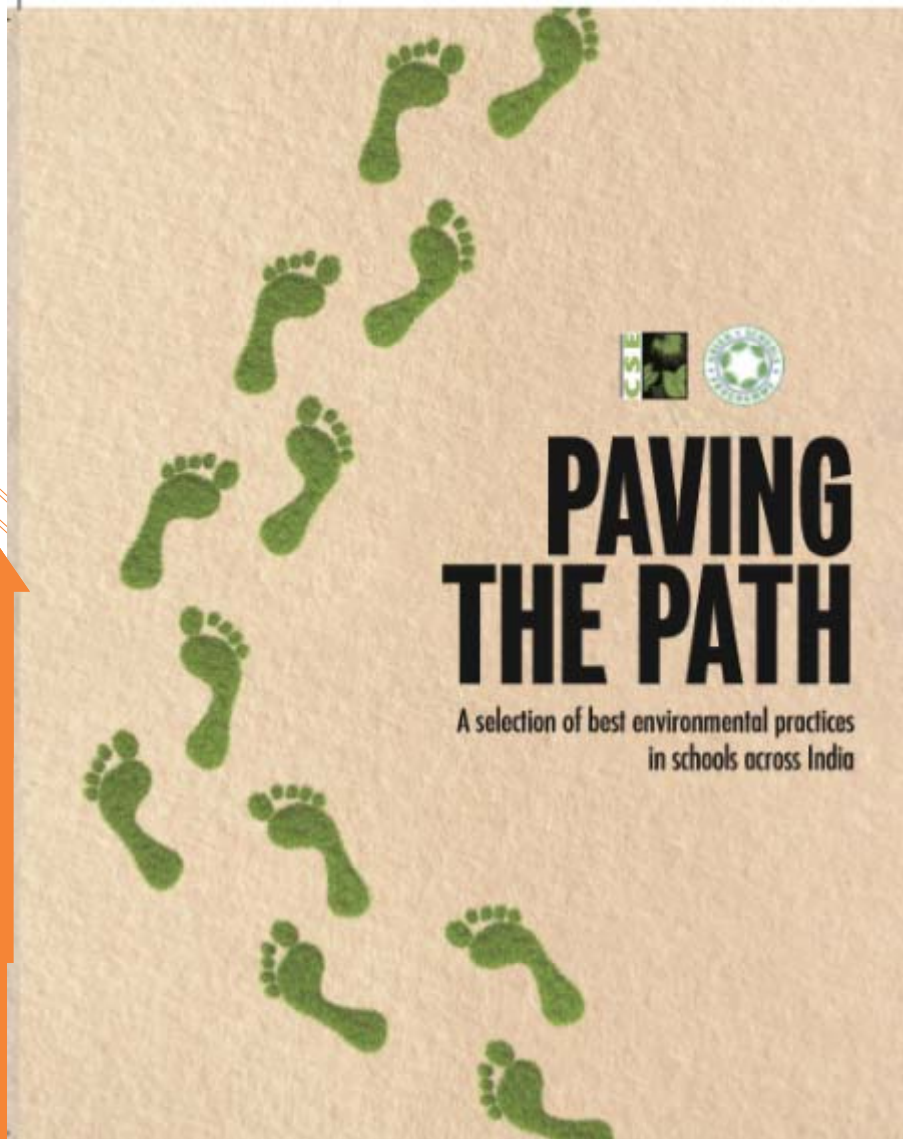
4	6	8
PREFACE	NOTE TO SCHOOLS	WHAT IS GSP
11	12	16
SCHOOLS	Birla Balika Vidyapeeth Pilani, Rajasthan	DRV DAV Centenary School Jalandhar, Punjab
20	24	28
School	Gyanodaya Vidya Mandir Damoh, Madhya Pradesh	Indrapuram Public School Ghaziabad, Uttar Pradesh
30	36	40
ya no.1 RCF Punjab	Kendriya Vidyalaya Ottapalam, Kerala	Kendriya Vidyalaya Pangode, Kerala
48	52	
Public School Pradesh	Pragyan Public School Greater Noida, Uttar Pradesh	Rajkanya Kanya Madhya Vidyalaya Sasaram, Bihar
60	64	
Public School	Salwan Public School Ghaziabad, Uttar Pradesh	St Edmund's School Jaipur, Rajasthan
72		
Public School Delhi	Vidya Devi Jindal School Hisar, Haryana	

GENDER			SCHOOL CATEGORY		
Mixed/ Co Education	All boys	All girls	Day scholar	Day boarding	Residential





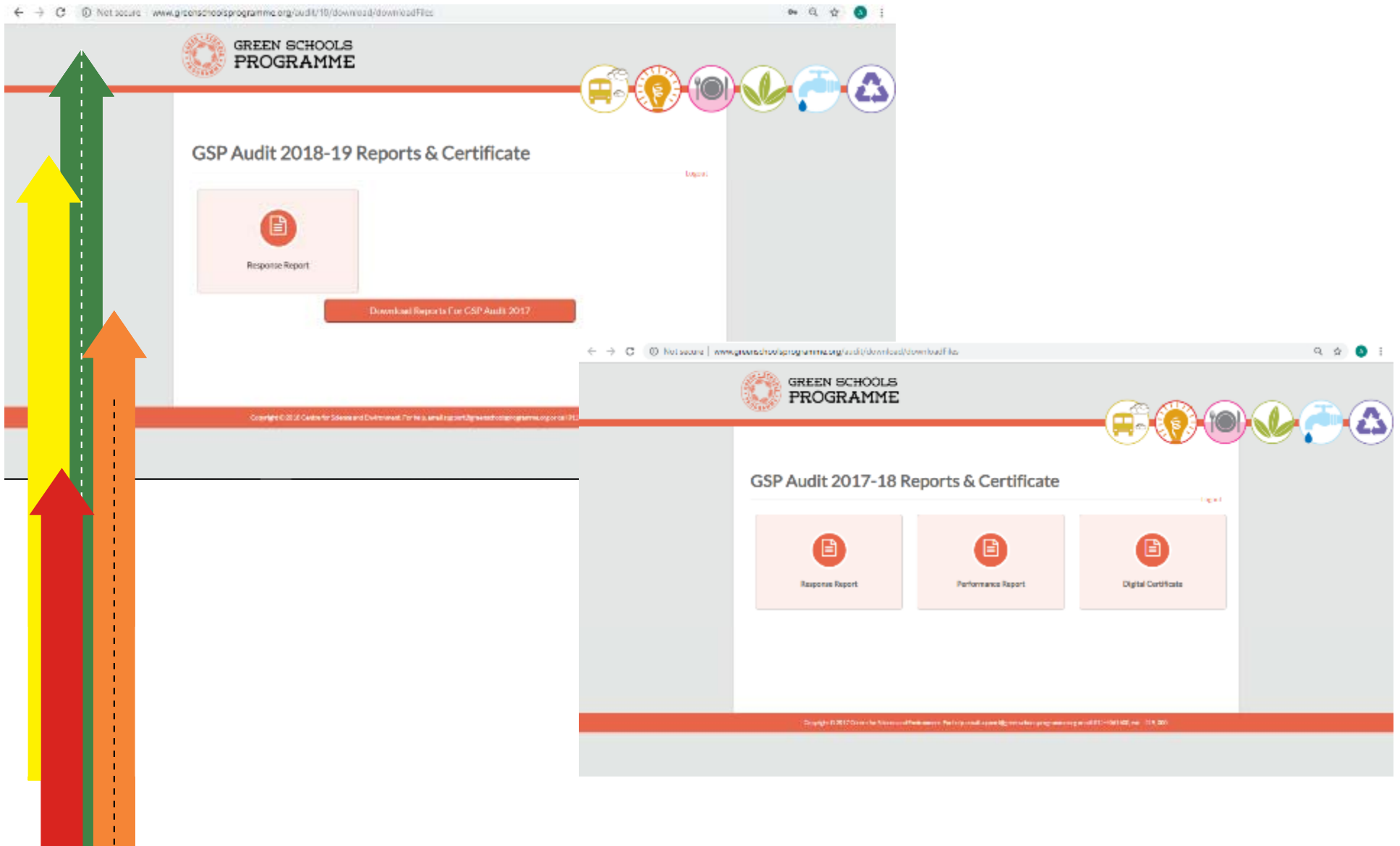
GSP - What's new?





GSP - What's new?

- Individual school profile for schools





GREEN SCHOOLS PROGRAMME

[HOME](#)[YEAR OF YEAR](#)[DOWNLOADS](#)[LOGOUT](#)

DRV DAV Centenary Public School (ranjugirdher74@gmail.com)

GREEN
70% & Above
Year of 2018

GREEN
70% & Above
Year of 2017

YELLOW
BETWEEN (50-69.9%)
Year of 2016

GREEN
70% & Above
Year of 2015



Air



Energy



Food



Land



Water



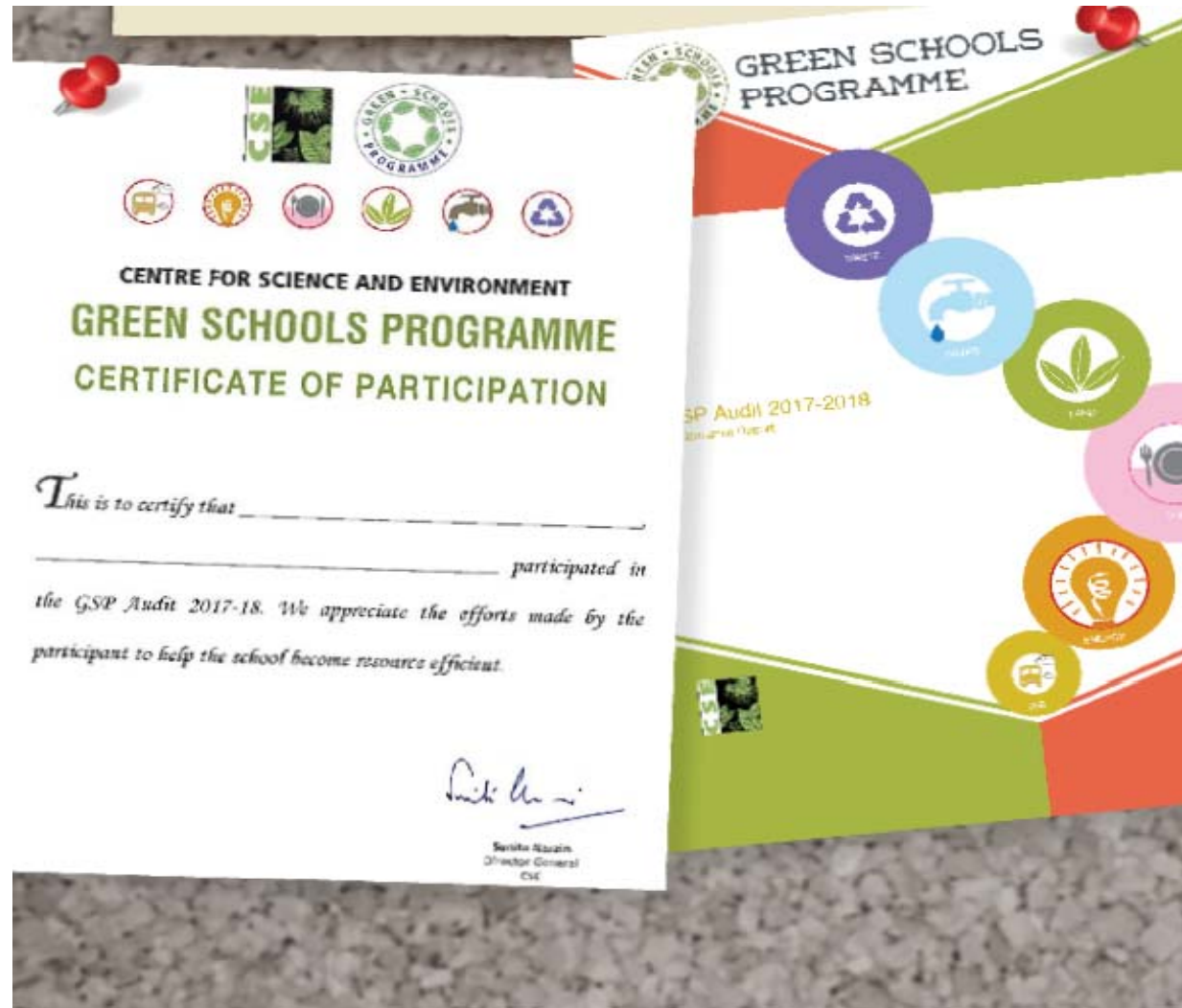
Waste





GSP - What's new?

Individual Digital Certificates, Performance report and Response report





Report Card

- 5000+ schools are part of the GSP network **to bring change**

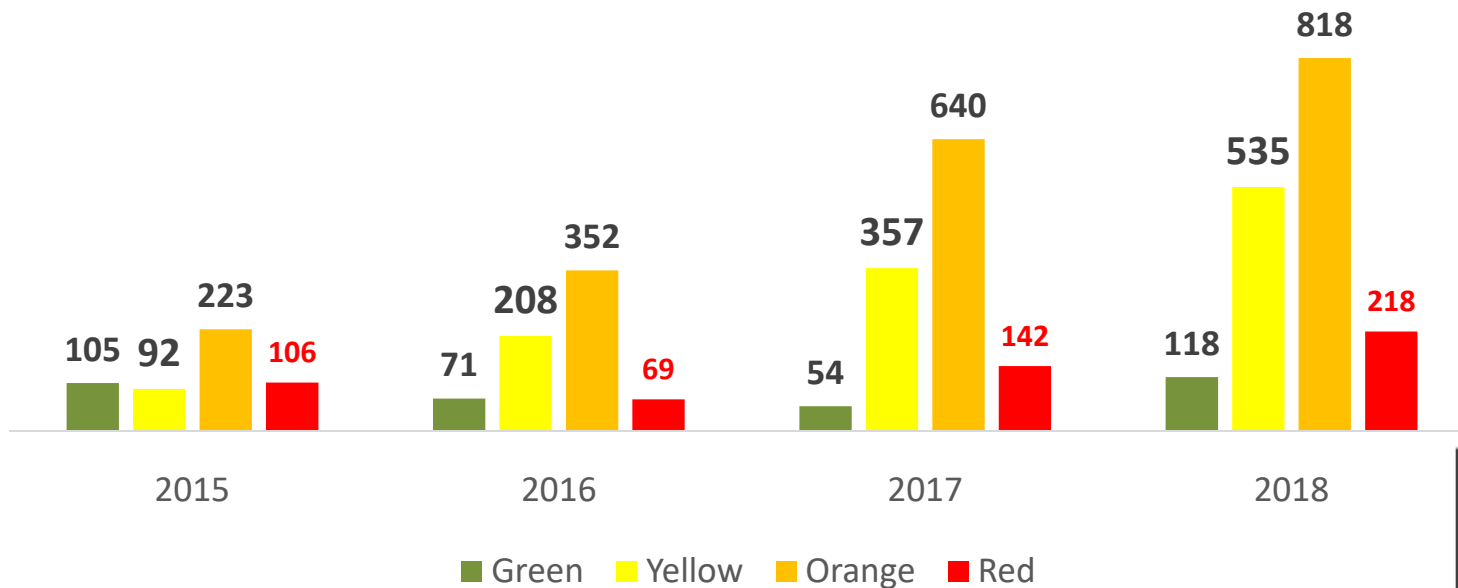
Year	Registrations	% (increase in registration)	Submissions	% (increase in submissions)
2015	1418		534	
2016	2518	78%	700	31%
2017	2863	14%	1193	70%
2018	5360	85%	1689	42%





GSP Audit snapshot

Category	2015	2016	2017	2018
Green (70% and above)	105	71	54	118
Yellow (50%-69.9%)	92	208	357	535
Orange (35%-49.9%)	223	352	640	818
Red (below 34.9%)	106	69	142	218





Report card: GSP Audit 2018

- School owned vehicles: 122 schools
- Schools which do not own a vehicle: 1299
- **CNG available in area: 102; only 47 use CNG vehicles**
- Sustainable Motorised Transport used by more than 50 per cent: 702
- Non polluting mode of transport used by more than 50 per cent: 728
- Solar: 223; 84 solar heaters; 57 both solar energy and water heaters; 14 use biogas
- 399 schools have provision to sell packaged food; **690 schools distribute UPPF as refreshments during events**
- Use of **chemical pesticides by 135 schools**
- 717 schools have RWH, 202 for storing, 371 schools recharge; 144 do both; **only 52 have filter units: UNFINISHED AGENDA**
- **Load on DWT higher than 50: 851**
- 344 schools treat waste water; 819 schools reuse waste water from RO and ACs
- 1356 schools segregate waste at source
- **405 schools burn waste!**
- 825 schools practice composting, both natural and mechanical
- 648 schools send e-waste to auth dealer/ dismantler/ manufacturer



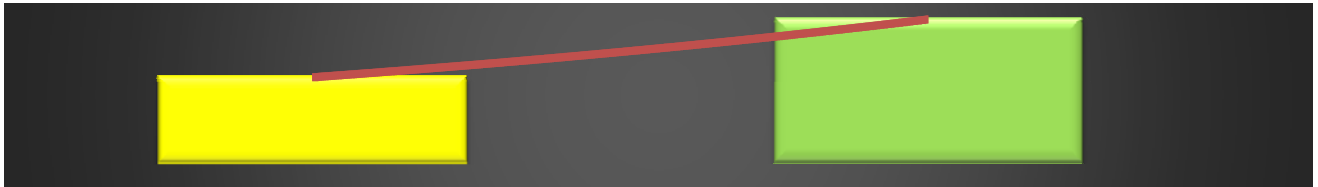


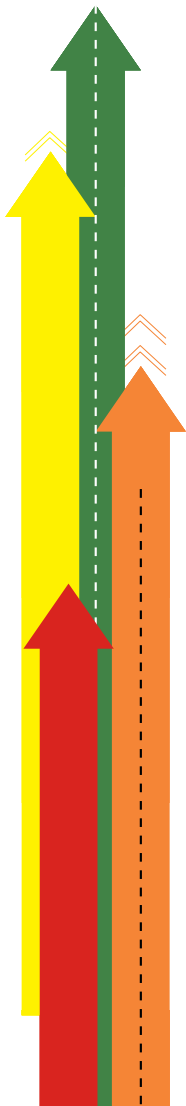
Changemakers!





DAV INTERNATIONAL SCHOOL, AMRITSAR, PUNJAB

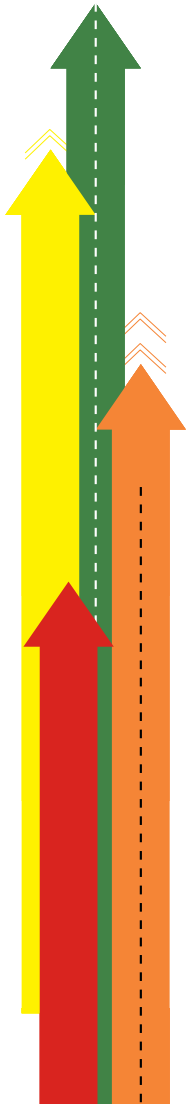
GSP Audit	2017	2018
Improvement graph	 <div> Yellow Green </div>	
AIR: Window Floor ratio	27 per cent	32 per cent (Increased window size and design in the new class rooms)
Mobility: Non Polluting Mode	0 per cent	42 per cent, as more students now cycle to school and/ or commute by E rickshaws; 57 per cent commute by sustainable motorized transport
ENERGY	103658 MJ; No solar	45810 MJ; 50 per cent reduction in bill amount 21 Solar powered street lights, 50 per cent replacement by efficient appliances (500 tube lights reduced, 74 hot cases of 4000 We replaced by 2000W, 12 extra LED and CFL lights removed, Strict monitoring and time reduction of running time of the electric appliances - 15000 units saved, new classrooms - better day light)
FOOD	Packaged food and bottled drinks distribution	Stopped distributing packaged food Only traditional food like Dhokla, Poha, Butter milk and Nimbu pani available at school, for teachers and staff No distribution of UPPF during school events; All children get home food; Fruit break made mandatory





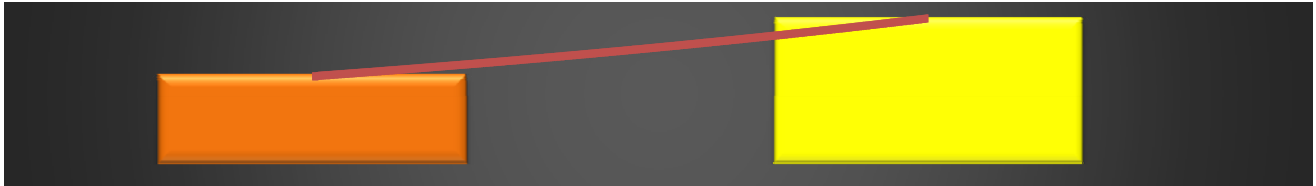
DAV INTERNATIONAL SCHOOL, AMRITSAR, PUNJAB

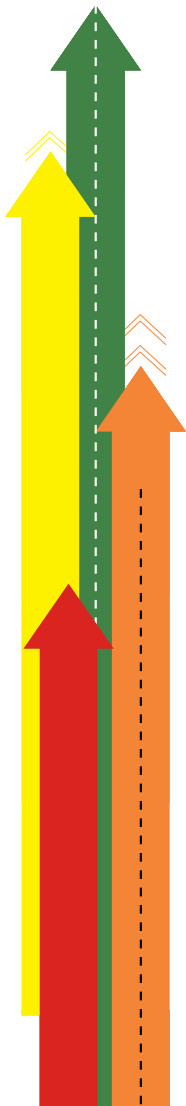
GSP Audit	2017	2018
Land	20 per cent green area	40 per cent green area- plantation in parking area, new plantation in vacant land, botanical garden developed which has 40 plant species
Water	Per capita Per day consumption 26 L	PCPD reduced to 15 L, installation of water saving sprinklers and dual flush systems
RWH - area harvested	20 per cent	90 per cent Both storage and recharge 7 new recharge pits introduced, ground water level increased, has filter unit and system is cleaned every year
Wastewater treatment	White waste water treated	70 per cent water source from waste water, efficiency of DWWTS increased by adding the microbial and settling chambers as per CSE model
Waste segregation at source	Total collection points: 293	Total collection points: 550 156 new two bin systems and three bin systems added
Waste	Compost 90 kg E waste disposal	Increased to 98 kg (due to increase in green area) E waste given to the authorized dealer, agreement with the dealer; C&D waste used in in-house construction saving INR 2 Lacs





S.B.O.A. PUBLIC SCHOOL, KOCHI, KERALA

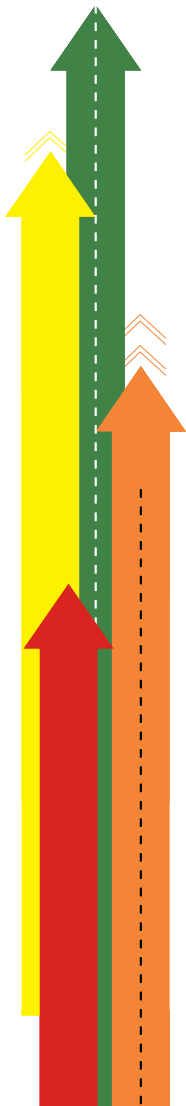
GSP Audit	2017	2018
Improvement graph		
	Orange	Yellow
Air - Mobility	SMV: 59 NPT: 23 Pvt: 18	SMV: 52 per cent; NPT per cent: 36 per cent; Pvt: 12 per cent Decrease in diesel consumption from 1912 L to 1497 L by cutting down additional school trips, rerouting and adding efficient buses
Food	Yes	Only traditional foods like steamed rice balls, Vada served; Stopped maida based/junk foods; no distribution of UPPF
Land		Better green cover owing better soil health (started RWH – recharge) – more than 50 per cent of the area green
RWH - area harvested	Absent in 2017	Started RWH this year with 50 underground recharge pits with filter system installed; increase in ground water observed along with lowering of soil salinity
Waste segregation at source	One bin system in school	Started with two bin system - 14
Composting	Absent in 2017	Composting started in 2018, 100 kgs per month





Bal Bharati Public School, Noida Uttar Pradesh

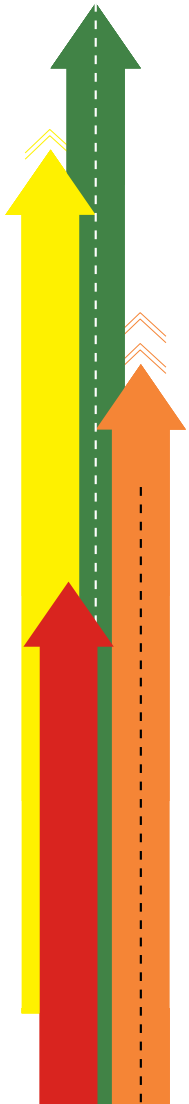
GSP Audit	2018
Improvement graph	
Air - Mobility	<p>SMV: 88 per cent from 52 per cent</p> <p>All buses (combination of school-owned and operator-owned) are CNG; increase in car pooling</p>
Energy	Conventional lights replaced by CFL or LED; Installed Solar
Food	Stopped distributing packaged food, instead tied up with a bakery
Land	Vertical gardening on the walls – 450 plants
RWH - area harvested	Initiated conserving leftover drinking water
Waste segregation at source	Total collection points – 82 from 38; three bins - 68 from 10
Waste Disposal	Composting : 5-6 kg in one and half month, E-Waste - 60 -70 kg to Karo Sambhav in past 6 months, Trust bins introduced this and used





New Entrant: Kairali School, Trivandrum, Kerala

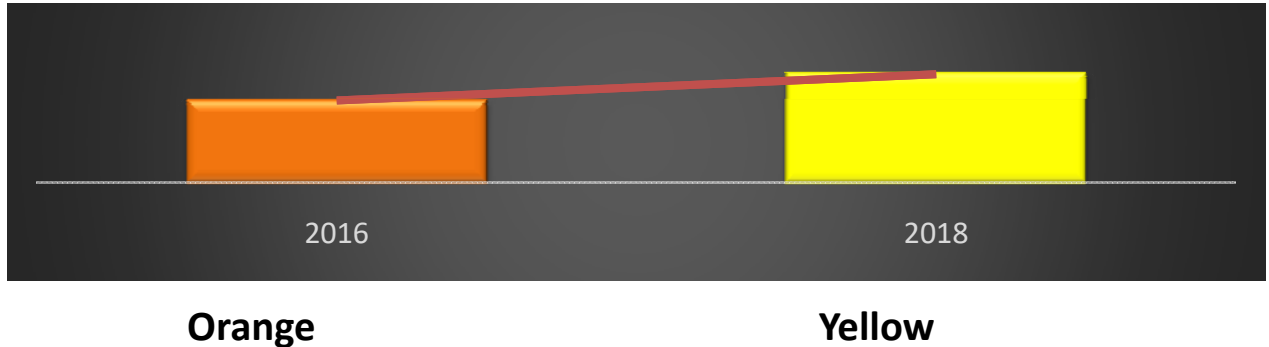



- Well ventilated classrooms – 6 windows + 3 openings (in the top) + one side open from the top
- LEDs - 61, CFL – 47, 42 tube lights (Solar installed , awaiting approval)
72 MJ – Grid tie system on grid system)
- Thalys in canteen - **traditional food** - pappad , rice, baji, vada and local foods - primary sections don't bring lunch as school provides canteen **thalis**
- Laddu and vada served as refreshments on functions; local food like *ada* served, No junk food (**biscuits and muffins for early morning staff members to eat**)
- Green area: 27 per cent, organic farming where the manure from compost is used, bamboo plants grown
- RWH recharge structure with filter unit, Grey water recycling system – uses **organic chemicals and aeration process** – **which then reduces the freshwater use by 60 per cent**
- Composting done: 50 kgs compost generated per month has four compost pits of 300 kgs each
- Plastic bottles collected separately, **incinerator** for sanitary waste present

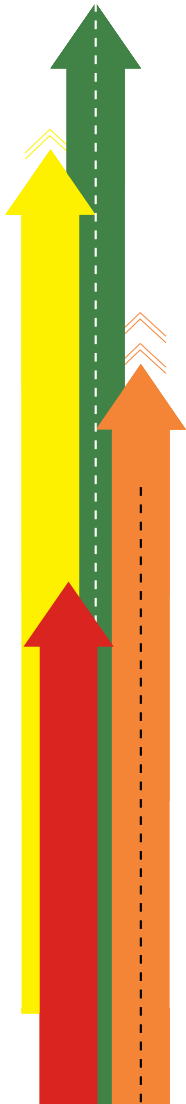




(PRIMARY)

CMS LP SCHOOL ENNOORAMVAYAL, KERALA

GSP Audit	2016	2018
Improvement Graph		
Energy	0 LEDs, 5 Tube lights and 20 CFLS	Phasing out conventional tube lights: LEDs introduced – 12 CFLs, 6 LEDs, 2 tube lights
Land	Green area - 11 percent	Green are per cent increased to 50 per cent – purchased nearby plot of land and maintains an organic farm
Water	Had RWH but no filter unit	The storage tank capacity and number increased to three each of 5000 litres; traditional filter processes devised <div>    </div>
Waste	Horticulture waste burnt	Stopped horticulture waste burning (composting started)
Composting	No composting	Vermicomposting and Thumbboormuzhi model composting started in 2018, 200 kgs per month





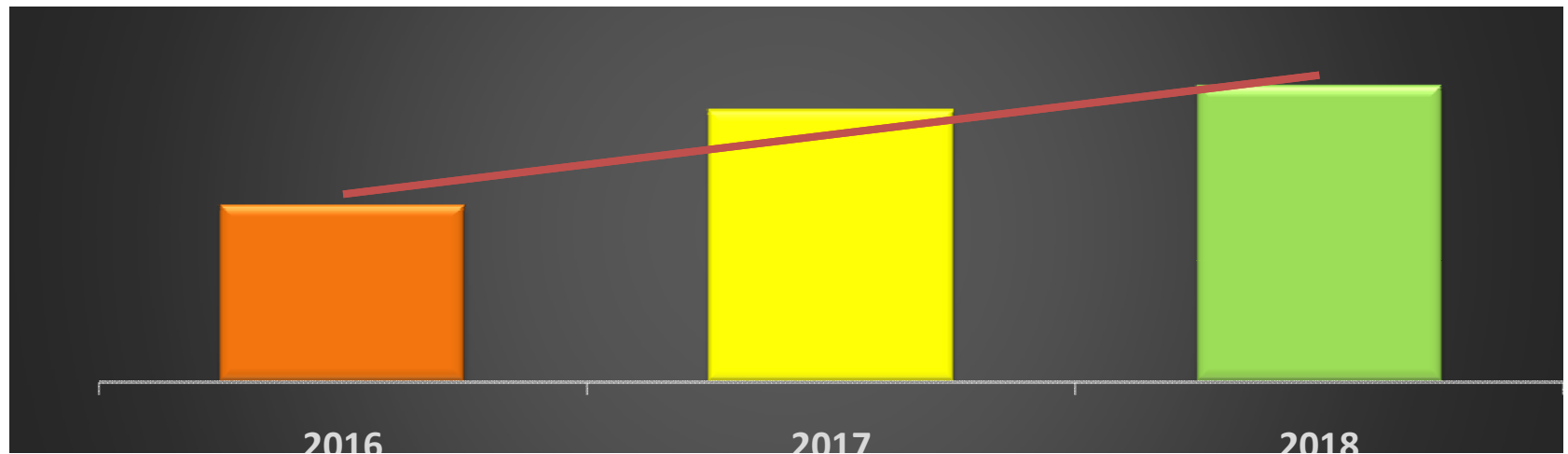
Category Awards!





AIR: GOVT. SR. SEC. SCHOOL PELLING, SIKKIM

- WFR 50 per cent
- School does not own vehicles
- NPT: 96 per cent, SMV: 4 per cent
- Has Air Quality Monitoring Equipment in school
- Teachers share the data with children and educate them about the importance of good air quality
- Started with Solar Street Lighting
- Calculated by school: 16 tonnes carbon sequestered/year by all the trees in campus

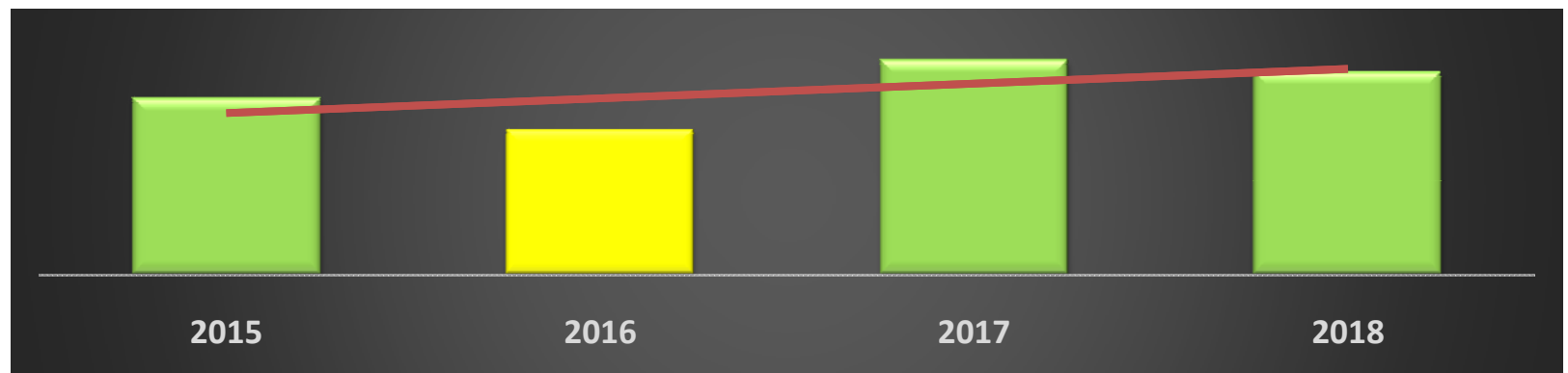




ENERGY: KENDRIYA VIDYALAYA, NEW

MAJRI, MAHARASHTRA

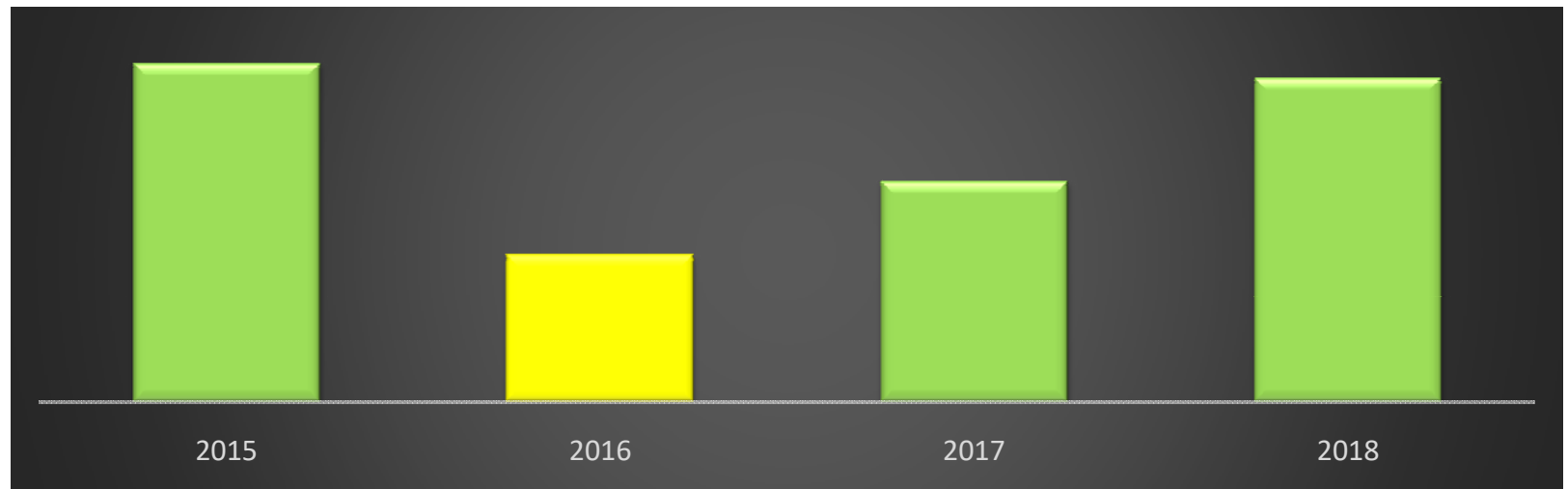
- Units of electricity consumed per month - Approximately 450 KWH (Units) per month – all of which is met by solar installed in 2017-18
- Solar energy consumed – 2160 MJ
- Earlier electricity outsourced from WCL (Western Coal Field limited) which was free. Post installation of solar, all electricity requirement met by solar
- LED light introduced – 158, CFL bulbs – 21 increased from 15 last year) No conventional tube lights
- All vehicles are operator-owned





WATER: MAHINDRA WORLD SCHOOL, TAMIL NADU

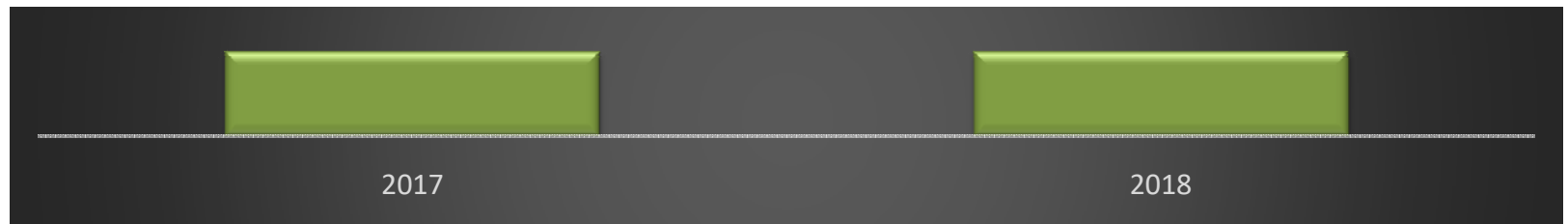
- Improvement from last year – **Per capita per day consumption increased from 4 L to 13 L** (came within range)
- **Newly installed dual flush** systems (15)
- **Two new** Rain Water Harvesting Tanks constructed (earlier two semi-underground tanks, this year onwards two new fully underground tanks) RWH (from all three catchment areas) – storage and recharge - 91 to 100 per cent area under RWH.
- Cleaning done every 3 months pre-monsoon
- Wastewater collected from restrooms and send through drainage system to Mahindra World city sewage treatment plant
- Drip irrigation introduced in the school vegetable garden





WASTE: NEW DIGAMBER PUBLIC SCHOOL, INDORE, MADHYA PRADESH

- Waste segregation at source:
 - No. of Two bins increase in one year – from 127 to 223 dustbins on every floor and corridors, dustbins increased in sports area and parking area
- Compost generation – 82 kgs to 200 kgs composting machine
- Compost generation increased due to increase in tree plantation and horticulture strength, academic strength
- In Indore, composting sites are everywhere, for this school it is in Khandwa road
- E-waste agency certificate for 109 kg of E-waste recycled from school





Name of the School/Institution – Delhi

- ASN SENIOR SECONDARY SCHOOL
- EAST POINT SCHOOL
- KV AFS ARJANGARH
- MOTHERS GLOBAL SCHOOL
- QUEEN'S VALLEY SCHOOL
- SACHDEVA GLOBAL SCHOOL
- ST.GEORGE'S SCHOOL
- VISHAL BHARTI PUBLIC SCHOOL , PASCHIM VIHAR

Next in Line Haryana





Name of the School/Institution

- ASHOK MEMORIAL PUBLIC SCHOOL
- BAL BHARATI PUBLIC SCHOOL JHARLI
- BAL BHARATI PUBLIC SCHOOL, IMT MANESAR
- D.A.V. CENTENARY PUBLIC SCHOOL, TOHANA
- D.A.V. PUBLIC SCHOOL, UPPAL'S SOUTHEND
- GOVT SEN SECONDARY SCHOOL BAKHETA

Next in Line Haryana





Name of the School/Institution

- KENDRIYA VIDYALAYA NO.3 AMBALA CANTT
- MOTILAL NEHRU SCHOOL OF SPORTS, RAI
- SHIV NADAR SCHOOL, GURGAON
- THE SHRI RAM SCHOOL, MOULSARI
- VIDYA DEVI JINDAL SCHOOL

Next in Line Himachal Pradesh, Jammu, Madhya Pradesh,
Maharashtra, Punjab and Rajasthan





Name of the School/Institution

- GHS DUGHA
- GOVT.SR.SEC.SCHOOL BOHLI
- MRA DAV PUBLIC SCHOOL
- KENDRIYA VIDYALAYA, SUNJUWAN
- ARMY PUBLIC SCHOOL, BHOPAL
- SACRED HEART SCHOOL, KALYAN
- THE ACHIEVERS SCHOOL
- DASS AND BROWN WORLD SCHOOL, FEROZEPUR
- KENDRIYA VIDYALAYA NO 1, AFS PATHANKOT
- M. D. DAYANAND MODEL SCHOOL
- SRT DAV PUBLIC SCHOOL, BILGA
- SIR PADAMPAT SINGHANIA SCHOOL

Next in Line Tamil Nadu, Uttar Pradesh and
Uttarakhand





Name of the School/Institution

- Jain Public School
- JRK Global
- V.K.M VIDHYALAYA CBSE SCHOOL
- ST.MARKS BOYS TOWN HIGH SCHOOL
- INDIRAPURAM PUBLIC SCHOOL, Pratap Vihar
- Indirapuram Public School, Crossings Republik
- JP INTERNATIONAL SCHOOL
- KENDRIYA VIDYALAYA NO 2, JHANSI CANTT
- PRAGYAN SCHOOL
- KASIGA SCHOOL
- Mount Litera Zee School , Roorkee

Next in line Andhra Pradesh





Name of the School/Institution

- KGBV KVB PURAM
- SPZP GIRLS HIGH SCHOOL
- Z.P.H.SCHOOL, Kanipakkam
- Zilla Parishad High School, Vempadu
- ZP HIGH SCHOOL.KALLUR
- ZP HIGHSCHOOL SIDDAMPALLI
- ZPHS Anjuru
- ZPHS KALLIVETTU
- ZPHS, GOPALAKRISHNA PURAM
- ZPHS,PATHIKONDA

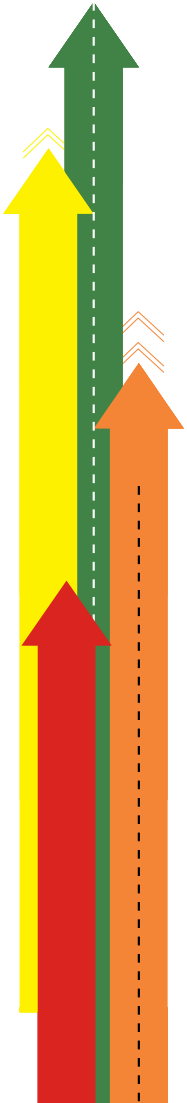
Next in line Bihar





Name of the School/Institution

- KENDRIYA VIDYALAYA NO 1, Darbhanga
- MOUNT LITERA PUBLIC SCHOOL, Begusarai
- RAJKIYA KANYA MADHYA VIDYALAYA SASARAM





Green Schools - 118

- Green over the past four years

S .No.	School Name	State
1	ASN SENIOR SECONDARY SCHOOL	DELHI (DL)
2	BAL BHARATI PUBLIC SCHOOL	HARYANA (HR)
3	BAL BHARATI PUBLIC SCHOOL NOIDA	UTTAR PRADESH (UP)
4	MOTILAL NEHRU SCHOOL OF SPORTS, RAI	HARYANA (HR)
5	MOUNT LITERA ZEE SCHOOL JAMSHEDPUR	JHARKHAND (JH)
6	QUEEN'S VALLEY SCHOOL	DELHI (DL)
7	SALWAN PUBLIC SCHOOL	UTTAR PRADESH (UP)
8	ST. EDMUND'S SCHOOL	RAJASTHAN (RJ)
9	THE PINNACLE SCHOOL	DELHI (DL)





THANK YOU

