



Welcome to Paryavaran Mitra !

Low Carbon Lifestyle School Competition !



Dear Teacher,

Greetings from Centre for Environment Education (CEE)!

As you are aware, Global Warming is a major environmental issue today and can lead to irreversible changes in the Earth's climate and life systems. It has large scale implica-

tion on health, livelihood, ecology, economy and food security. Our children and the next generations will be affected the most.

As teachers, you are in an important position to spread awareness and action within and outside your school for climate change mitigation. We therefore invite you and

encourage your school to participate in this "Low Carbon Lifestyle School Competition" which will help you to measure how the activities that you facilitate in your school are contributing to climate change mitigation as well as promoting sustainable lifestyles.

With best wishes,
Paryavaran Mitra Team :-)

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ABOUT the Competition

	Category 1	Category 2	Category 3
Competition Categories	Best Paryavaran Mitra (PM) School (in each District)	Best Student Animation Entry on Environment (in each District)	Best Teacher Project for promoting awareness on climate change (in each District)
Category Award	Worth Rs.10,000/- each (Best PM School district level)	Worth Rs.1500/- each (Best entries at district level)	Worth Rs.2000/- each (Best entries at district level)
Participating Certificates	For every school sending the reports completely	For every student sending the animation as per rules	For every teacher sending completed projects
Registration	The school teacher / principal may register	Any student may register directly	Any teacher may register directly
Last Date for Receipt of Registration	25 th November, 2011 (School Registration)	25 th November, 2011 (Student Registration)	25 th November, 2011 (Teacher Registration)
Last Date for Receipt of completed Reports	20 th January, 2012 (School Report)	20 th January, 2012 (Student Animation)	20 th January, 2012 (Teacher Project)
Results announcement	10 th February, 2012	10 th February, 2012	10 th February, 2012
State Event	A State level workshop will be organized to facilitate awardees and share their work		

HOW to Participate in the Competition

	Category 1	Category 2	Category 3
	Best Paryavaran Mitra School (in each District)	Best Student Animation En- try on Environment (in each District)	Best Teacher Project for promot- ing awareness on climate change (in each District)
Step 1	Login to website: www.paryavarnmitra.in and click on the Kerala State in the India map that you see on the homepage. OR Directly login to www.paryavaranmitra.in/Default.aspx?sID=55		
Step 2	<p>Send us the following details by: >email to: pmitrakerala@gmail.com OR > by post / postcard to: CEE Kannur OR > phone us on: 0497-2749208, 2748600; 9895303353</p> <p>School Registration for Best Paryavarn Mitra School</p> <ol style="list-style-type: none"> 1. Name of School: 2. Name of Principal: 3. School Address with pincode 4. School Phone Number: 5. School email id: 6. Name of Teacher incharge: 7. Teacher Phone Number: 8. Teacher email id: 	<p>Send us the following details by: > email to: pmitrakerala@gmail.com</p> <p>Student Registration for best Animation</p> <ol style="list-style-type: none"> 1. Name of the Student: 2. Standard: 3. Residential Address: 4. Student Phone Number 5. Student email id: 6. Name of the School: 7. School Address: 8. School Phone Number: 	<p>Send us the following details by: > email to: pmitrakerala@gmail.com OR > by post / postcard to: CEE Kannur OR > phone us on: 0497- 2749208, 2748600; 9895303353</p> <p>Teacher Registration Best Project on climate change awareness</p> <ol style="list-style-type: none"> 1. Name of the Teacher: 2. Subject Taught: 3. Standards Taught: 4. Teacher Contact Address: 5. Teacher email id: 6. Teacher Phone number: 7. Name of the School: 8. School Address:
Step 3	<p>Download the reporting form which covers 5 thematic areas on:</p> <p>Biodiversity; Energy; Waste Management; Water Conservation; Culture & Heritage</p> <p><i>(Please note that these thematic areas are useful to link your activities to climate change and also your curriculum)</i></p>	<p>Refer the animation thematic areas and criteria for evaluation</p> <ol style="list-style-type: none"> 1. Global Warming 2. Low Carbon Lifestyle 3. Culture & Heritage in your district 4. Folklore of Kerala 5. Environmental issues & concerns in your district 6. Disaster Management 	<p>Refer the project criteria for evaluation</p> <ol style="list-style-type: none"> 1. Relevance and linkage of project to climate change awareness 2. Messages conveyed on climate change 3. Project involving community 4. Number of students/community made aware 5. Methodology, Creativity, participation 6. Impact on participants' awareness; knowledge; skills; attitude; participation
Step 4	<p>Send us the filled in completed report form by: > email to: pmitrakerala@gmail.com</p> <p><i>Photographs may be sent as attachment. Written reports may also be scanned and sent by attachment</i></p> <p>OR > by post to: CEE Kannur</p>	<p>Send us the animation clip (maximum 2 minutes) with student details by: > email to: pmitrakerala@gmail.com OR > post in CD to: CEE Kannur</p>	<p>Send us the Project details by: > email to: pmitrakerala@gmail.com</p> <p><i>Photographs may be sent as attachment. Written reports may also be scanned and sent by attachment</i></p> <p>OR</p> <p>> by post to: CEE Kannur</p>

School Thematic Areas **Energy**

Biodiversity

Examples: Live fencing, Medicinal garden, Tree plantation - number of trees, area planted, species, survival rate



Examples: Energy audit, using CFL tubes/ bulb, solar energy

Transport— usage of cycle, public transport, car pooling



Culture & Heritage

Examples: ecofriendly celebration of festivals, celebrate environmental days



Waste Management



Examples: plastic free zone / campus, Cloth carry bags, paper recycling, waste segregation, compost

Why Themes ? The thematic approach helps to link the topics taught in the different subjects by the teacher to our day-to-day life and environment. Students become more aware about interlinkages and **allows teachers of all subjects to become facilitators** of Paryavaran Mitra. Schools have to involve students in the class rooms, in eco-clubs and the whole school in action oriented activities under five themes: Biodiversity, Energy, Waste Management, Water, Culture and Heritage.



Water

Examples: reduce water wastage (repair and maintain), recharge of water (water harvesting, soak pit and plantation), water audit

CRITERIA for Evaluation of Entries

Category 1: Criteria for evaluation of Best Paryavaran Mitra School

1. Schools reporting all the 5 thematic activities will get more weightage
2. A minimum of 3 thematic activities has to be reported for evaluation
3. Based on impact of your activities on climate change mitigation
4. Promotion of low carbon lifestyle
5. Based on impact of your activities on students/participants awareness, knowledge, skill, attitude and participation.
6. Based on number of students participating in the activities
7. Innovation, creativity, methodology, documentation
8. Schools reporting through email / use of internet will be given more weightage because of the savings they contribute by saving paper use; printing; ink usage; postage; transportation and time and energy.

Category 2: Criteria for evaluation of Best Student Animation on Environment

1. Relevance to theme selected
2. Message conveyed; storyline; impact
3. Originality, visual and sound effect, other technical aspects
4. Animations using visuals from local area
5. Within stipulated animation length of maximum 2 minutes

Category 3: Criteria for evaluation of Best Teacher Project on climate change awareness

1. Relevance and linkage of project to climate change awareness
2. Messages conveyed on climate change
3. Project involving community
3. Number of students/community made aware
4. Methodology, Creativity, participation
5. Impact on participants' awareness; knowledge; skills; attitude; participation

Animation Themes

1. Global Warming
2. Low Carbon Lifestyle
3. Culture & Heritage in your district
4. Folklore of Kerala
5. Environmental issues & concerns in your district
6. Disaster Management

Category 3: Guidelines for conducting Best Teacher Project on climate change awareness

1. Facilitate students to identify messages to convey for climate change awareness
2. Identify a methodology to convey the messages to the target group (e.g. use of folksong / folkdance; exhibitions; rally; demonstrate through actions like public space cleaning; public plantations ; involving community etc.)
3. Encourage students to conduct the awareness project within their school or outside school.
4. Preference will be given to projects that involve community.

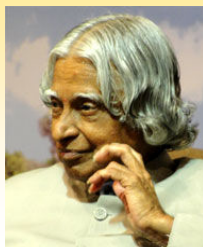


Category 3: Reporting format for Best Teacher Project on climate change awareness

I	Teacher Details	Date:
1	Name of Teacher:	Name of School:
2	Teacher phone number:	School Address:
3	Teacher email id:	School phone number:
II	Project Details	Description
1	Methodology used to convey message about climate change (e.g. folklore; rally; exhibition; demonstration etc)	
2	Number of students who participated in the project / activity	
3	Names of students involved in the project	
4	Messages conveyed about climate change	
5	Target audience (School students / Community) and numbers	
6	Impact on participants' awareness; knowledge; skills; attitude; Participation	
7	Any other information	
8	Photographs	

ABOUT US: Centre for Environment Education (CEE) is a national Centre of Excellence for Environmental Education, established in 1984 and supported by the Ministry of Environment and Forests (MoEF), Government of India. www.ceeindia.org

Paryavaran Mitra a programme that aims at creating Paryavaran Mitras (*Friends of Environment*) who have a commitment for environmental well being and take action for it. It focuses on sustainability and climate change education covering 200,000 schools across India. This programme is an initiative of CEE in partnership with the Ministry of Environment and Forests (MoEF), Government of India and ArcelorMittal. Hon'ble Dr.A.P.J.Abdul Kalam is the Paryavaran Ambassador in India.



State Partner: The Kerala State Council for Science, Technology and Environment (KSCSTE) which is the nodal agency for the National Green Corps (NGC) has partnered with CEE to promote and synergize the Paryavaran Mitra programme in NGC schools in Kerala. www.kerennis.nic.in/NGC_SITE/index.html

IT and Paryavaran Mitra

Government of Kerala's IT mission and Dept. of General Education - IT@School programme are unique and massive ICT education, enabling teachers and students to teach and learn through internet and information technology (IT). ViCTERS channel is also exclusively supporting schools for sharing their experiences. Each school has a broadband internet connection, computers etc.

We encourage you to use these resources and strengthen your ICT skills. Please visit:

www.paryavaranmitra.in to access various E-resources; discussion forum; online registration; reporting, networking with other schools across India etc.



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 E-mail: **pmitrakerala@gmail.com**
 Website: **www.paryavaranmitra.in**

Create a blogsite / website of your school, share your learnings and activity photos
THANK YOU :-)



Government of India
 Ministry of Environment & Forests



ArcelorMittal



Kerala State Council for Science,
 Technology & Environment

CEE

Centre for Environment Education



Category 1: Reporting format for Best Paryavaran Mitra School

Please report your activities in the format given below and send it to us on or before 20th January, 2012.

Guidelines:

1. While reporting your details quantify or measure the changes observed before and after the activity is conducted by the students. These changes will also help to indicate how the activity contributes to reducing carbon emissions and create eco-friendly lifestyles.
2. Quantify wherever possible the impact of the activities. E.g. Number of trees planted or protected; Units of electricity saved; Litres of water conserved; Kg. of waste managed; Festivals observed; community interaction; family level awareness/action, etc.
3. Describe how the activity helped in reducing carbon emissions and create eco-friendly life-styles.
4. Mention the number of students involved in the activity.
5. Wherever possible, try to use email for reporting. Photographs may be sent as attachment. Written reports may also be scanned and sent by attachment
6. Wherever relevant, please acknowledge the names of the agency/sponsors that support the schools for such activities.

Name of School: _____ Name of the Principal: _____
 School Address with pincode: _____
 School phone number: _____ School email id: _____
 Name of Teacher in-charge: _____ Teacher phone number: _____
 Teacher email id: _____

Table 1: Theme activity: Waste management

Activity: How much waste is generated and converted into compost in our school		
No.	Parameter	Details
1	List of waste materials generated in the school	
2	Quantity (in Kilogram) and type of non-biodegradable waste(s) sent for recycling (sold to the dealer etc.)	
3	Quantity (in Kilogram) and type of waste materials dumped into the compost pit	
4	Dimensions/Size of the compost pit (in meters)	
5	Quantity of compost generated (in Kilogram) and Use	
6	Any Other Information (Pit Management, Turning, Watering, Covering etc)	
7	Number of students involved	
8	Photographs	

OR / AND : If there is any other activity related to Waste Management that you have conducted or will conduct in the school, please report the details after completion of the activity in the table below.

Please note: While reporting your details quantify or measure the changes observed before and after the activity is conducted by the students. These changes will also help to indicate how the activity contributes to reducing carbon emissions and create eco-friendly lifestyles.

No.	Parameter	Details

Table 2: Theme activity: Water Conservation

Activity : Leaking Taps		
No.	Parameter	Details
1	Number of dripping taps and pipe lines <i>identified</i> in your school	
2	Approximate quantity of water wasted per day (Liters per day)	
3	Number of dripping taps and pipe lines <i>repaired</i>	
4	Approximate quantity of water saved per day (Litres per day)	
5	Is waste water channelized to plants/gardening etc. ?	
7	Support taken from Rural Water Supply (RWS) Dept, Village Panchayat, Other organizations, Schemes, etc.	
8	Any Other Information	
9	Number of students involved	
10	Photographs	

OR / AND

Activity : Harvesting Rainwater		
No.	Parameter	Details
1	Is there rain roof water harvesting structure in your school? (Yes / No)	
2	Area of harvesting structure/ collection area (i.e. roof) (in sq.meters)	
3	Average annual rainfall in your district in mm (in millimeters - mm)	
4	Volume of rain roof water harvested (Litres) = Area of roof x [Average rainfall (mm) / 1000]	
5	How is the water harvested used? (gardening, recharging etc.)	
	Support taken from Rural Water Supply (RWS) Dept, Village Panchayat, Other organizations, etc.	
6	Any Other Information	
7	Number of students involved	
8	Photographs	

OR / AND : If there is any other activity related to Water Conservation that you have conducted or will conduct in the school, please report the details after completion of the activity in the table below.

Please note: While reporting your details quantify or measure the changes observed before and after the activity is conducted by the students. These changes will also help to indicate how the activity contributes to reducing carbon emissions and create eco-friendly lifestyles.

No.	Parameter	Details

Table 3: Theme activity: Energy Conservation

Activity : Reducing electricity consumption		
No.	Parameter	Details
1	Number of units consumed in previous electricity bill of your school month (data from electricity bill)	
2	How many incandescent bulbs and tubes are there in school?	
3	Number of Incandescent bulbs and tubes <i>replaced</i> with CFLs	
4	Number of units saved at the end of one and half months (after replacement)	
5	Any other information (e.g. other Energy Saving Practices being followed in the school)	
6	Number of students involved	
7	Photographs	

OR / AND

Activity : Carbon emissions in transportation							
No.	Parameter	Details					
1	Total number of students in: Class 6: _____ Class 7: _____ Class 8: _____						
		walking	cycling	school auto rickshaw	school bus; school van	Public bus	Own motor vehicle (car/bike)
2	How many students of Class 6 th come to school by:						
3	How many students of Class 7 th come to school by:						
4	How many students of Class 8 th come to school by:						
5	Using above data, calculate the percentage(%) of students emitting zero carbon emission in: Class 6: _____(%) Class 7: _____(%) Class 8: _____(%)						
6	Using above data calculate the (%) of students using mass transport vehicles (like school bus; school van; public bus) in: Class 6: _____(%) Class 7: _____(%) Class 8: _____(%)						
7.	Convey above results on the school notice board or convey it to the school students.						
8.	Photographs						

OR / AND : If there is any other activity related to Energy Conservation that you have conducted or will conduct in the school, please report the details after completion of the activity in the table below.

Please note: While reporting your details quantify or measure the changes observed before and after the activity is conducted by the students. These changes will also help to indicate how the activity contributes to reducing carbon emissions and create eco-friendly lifestyles.

No.	Parameter	Details

Table 4: Theme activity: Biodiversity

Activity : Nurturing plants in society							
Names and Number of species planted	Use of the particular species	Total Number of plants/ saplings planted	Number of saplings survived	Area (in cents) covered by the plantation	Maintenance aspects (Protection, Watering, Misting, Weeding etc)	Students and Community involvement	Any Other Information / Number of students involved
Photographs							

OR / AND : If there is any other activity related to Biodiversity that you have conducted or will conduct in the school, please report the details after completion of the activity in the table below.

Please note: While reporting your details quantify or measure the changes observed before and after the activity is conducted by the students. These changes will also help to indicate how the activity contributes to reducing carbon emissions and create eco-friendly lifestyles.

No.	Parameter	Details

Table 5: Theme activity: Culture & Heritage

Send us a brief report of the local culture or heritage in your locality. Your report could include:		
No.	Parameter	Details
1	Historical significance	
2	Linkage with nature and society	
3	Photographs and drawings	
<i>You may type and send us your report by email. In case of photographs and written reports you could scan them and send as attachments.</i>		

OR / AND : If there is any other activity related to Culture & Heritage that you have conducted or will conduct in the school, please report the details after completion of the activity in the table below. Please note: While reporting your details quantify or measure the changes observed before and after the activity is conducted by the students. These changes will also help to indicate how the activity contributes to reducing carbon emissions and create eco-friendly lifestyles.

Table 6: Theme activity: Teachers Handprint

How would you rate the students environmental education learning outcomes of the activities conducted ?			
No	Parameter	Good / Moderate/ Poor	Any other Comments
1	Becoming aware about their surroundings		
2	Developing skills to be energy efficient		
3	Gaining knowledge to manage resource		
4	Having attitude to save and conserve		
5	Participation to form an eco-friendly society		