

Establishment/strengthening of Energy Clubs in Schools

1. Introduction

The Ministry of Power has launched the National Awareness Campaign in order to promote energy conservation in the country. Energy Conservation Act, 2001 mandates Central Government and State Government to take all measures necessary to create awareness and disseminate information for efficient use of energy and its conservation. Bureau of Energy Efficiency (BEE), New Delhi and Maharashtra Energy Development Agency (MEDA) are entrusted with the task to implement such schemes as mandated. National/State Energy Conservation Awards, Painting Competition, Elocution Competition, Essay Competition on energy conservation for Students, and awareness scheme are such few attempts undertaken to create awareness about energy efficiency and its conservation. Capacity building of Students is a scheme, BEE has undertaken during the XII five-year plan. Establishment/strengthening the energy clubs for schools has been included as one of the activities this scheme. This activity would not only make aware the children about the need of conserving energy but at the same time would educate and involve their parents as well in the above cause.

2. Objectives of Establishment of Energy Clubs:

- Since the students are learner of new things in their school life, it is easy for them to understand the concept of Energy Conservation and Energy Efficient devices. Students can, in turn, become most efficient communicators for creating awareness about Energy Conservation and promoting the use of energy efficient equipments/devices by the public at large.
- As the demand for power in the country is steadily increasing and natural energy resources are being rapidly depleted, it is important to involve school's students, as decision-makers of tomorrow.
- The purpose of the Energy clubs is to enhance learning of students and sensitize them on key energy issues that will impact their lives.

- Build awareness and a sense of responsibility among Students regarding the environment in general and Energy Conservation.
- Create awareness among children and their parents on energy competitiveness and energy security at individual levels on a smaller scale, thus contributing to the State level at a larger scale.

3. Guidelines for implementation of Energy Club Activity

The Energy Club activity will be taken in Secondary schools across Maharashtra State. The Steps for implementation of Energy Club activity are as follows:

1. "Energy Clubs" will be set-up in schools approved by Government of Maharashtra State.
2. Divisional Offices of MEDA will seek the willingness from heads of schools (at least 10 nos. every year) and confirm the setting-up of duly constituted "Eco/Energy Clubs" including the name of coordinator and Energy Club Members.
3. Each such school has confirmed the setting-up of "Energy Clubs" will identify a coordinator of the club and intimate the respective MEDA Divisional Office immediately about the same along with other office bearers and/or members of the said club.
4. MEDA will take the Teachers Training Programme at State Level for establishment of Energy Clubs and the activities of Clubs. For this training, science teachers should be included.
5. MEDA Divisional Offices will provide the details, guidelines and energy club activities to schools for establishment of energy clubs and organizing the activities through clubs. For this club, Science teachers and Art Teacher should be included as a Secretary and Dy. Secretary of the Energy Club and remaining 09 members will be from 5th to 10th standard students.

6. MEDA Divisional Offices will help such schools in setting-up of "Energy Clubs" and will monitor the activities and functions of these clubs from time to time.
7. MEDA will provide the material like banners, posters, leaflets on energy conservation and the energy conservation booklet to schools those have constituted the Energy Club.
8. Funds will be released @ Rs.5000/- (Rupees Five Thousand only) per school through the MEDA Divisional Offices. These funds will be one time and may be continue if funds are available.
9. All the "Energy Clubs" will submit their duly signed statement of expenditure and utilization certificates to the respective MEDA Divisional Offices as per Annexure I & II.

4. Functions of the "Energy Clubs"

- i. The materials like banners, posters, should be displayed in the school.
- ii. Energy conservation leaflets and home activity charts should be distributed to every student of the school.
- iii. Seminars, Elocution competitions, Debate competition, Quiz competitions, Painting competition, Slogan competitions and Essay competitions on Energy Conservation may be conducted for students of schools.
- iv. With a view to encourage students to participate in these competitions etc. token cash prizes may also be given to winning students from within the total budget allocation on **Energy Conservation Day 14th December**.
- v. Energy Club should organize field visits of students to the nearby project sites, green buildings, energy parks etc. for understanding the energy conservation.
- vi. Participation of students in energy science exhibition may be encouraged.
- vii. Energy Conservation Week from 14th December to 20th December every year should be celebrated within the school e.g. by organizing debates, Painting and other competition among other activities. Video films may also be presented on Energy on Annual Conservation Day function.
- viii. Any other innovative activities about energy conservation may also be encouraged.
- ix. Energy club may also interact with other Science Clubs and Renewable Energy Clubs.
- x. Activities should be organized in such a way that they are spread out throughout the year.

5. Activities of Energy Clubs

5.1 Information of Competition to be implemented under Energy Clubs

The contests should be held in two different groups. The first group includes the students of fifth to eighth standards and second group includes the students of ninth to twelfth standards.

A. Elocution competitions

- Students from first group (Std. 5th to 7th) will get 2 minutes for elocution & second group (Std. 8th to 10th) students will get 3 minutes respectively.
- Winners from both the groups will be selected based on their communication skill, subject layout, way of presenting the subject etc.

B. Essay competition

- For first group (Std. 5th to 7th), word limitation for essay writing is upto 300 and for second group (Std. 8th to 10th) it will be upto 600.
- For essay competition, 1 hour should be given to students.
- Winners from both the groups will be selected based on writing skill, subject layout, spelling, and way of presenting the subject etc.

C. Painting Competition

- Size of drawing sheet to be used for painting competition should be of 15 X 11 inch.
- For painting competition, 1 hour should be given to students.
- Winners from both the groups will be selected based on colour combinations used in picture, neatness & cleanliness of picture, Picture layout, picture presentation & effectiveness etc.

D. Slogan Competition

- Each class of the students should prepare at least 5 slogans. Out of these good & rhyming matching slogans should be selected and prizes should be given to students.

E. Quiz Contest

- For first group (Std. 5th to 7th), 15 questions and for second group (Std. 8th to 10th), 25 questions should be prepared for the competition.
- Prizes should be given to the winners.

5.2 Awareness Programmes:-

The awareness programmes should be conducted to sensitize about energy conservation through audio-visual presentations. The similar sensitization session should be carried out for the parents. These seminars include the understanding of:

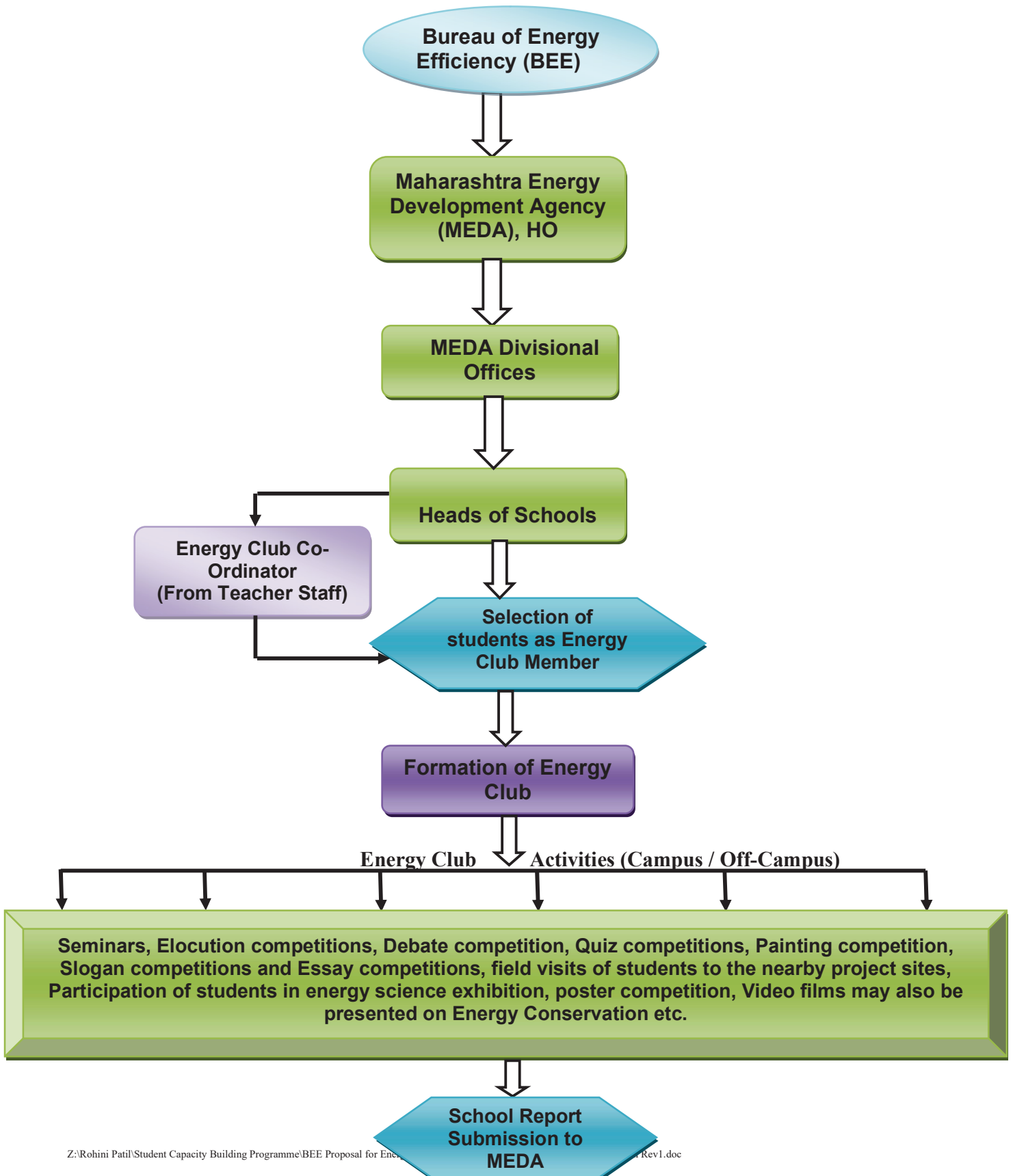
- The importance of energy conservation, and the country's dependence on electrical power.
- Increasing demand for energy and the gap between demand and supply.
- Impact on the environment.
- Safeguards to prevent wastage of power in everyday life.
- Understanding of Electricity Bills, and conservation through energy-efficient use of domestic appliances.
- Explains and emphasizes the role of awareness in the individual, the family and the community.
- Involves students in an exercise to monitor and reduce energy bills in their homes by adopting the energy conservation methods suggested.
- Focus on Energy Star Labeling, and an introduction to the system of energy rating.

5.3 Impact Assessment of awareness programmes:-

This will be focuses on sharing the understanding acquired through awareness workshops with others in the community. This process involves the following:

- Each student will share information on energy conservation with at least 2 others and their families.
- Students undertaking this awareness will help to the families to bring down their electricity bills.
- Every student will promote to more families for use of % Star Rating Energy Efficient equipments.
- Electricity bills should be monitored over two months to assess effectiveness.
- Every student will attempt to recognize wasteful usage of energy in their schools and homes.

5.4 Energy Club Activity Framework



5.6 Celebration of Energy Conservation Week:-

- The EC Club will conduct the Elocution competitions/Debate competition/Quiz competitions/Painting competition/Slogan competitions/ Essay competitions on Energy Conservation in the EC Week from 14th to 20th December.
- To encourage students participated in these competitions, token cash prizes may also be given to winning students from within the total budget allocation in Energy Conservation Week.

Annexure I

**Information of the School participated for taking out the activity of
Establishment of Energy Club**

School Name & Address: _____

School Telephone No.: _____

Name of Co-Ordinator: _____

and Contact No. _____

School Bank Details:

Name of Bank :-----

Account No. :-----

IFSC Code :-----

Branch Name :-----

Email ID :-----

Energy Club Information:

Group	Energy Club Members Name	Standard	Contact No.

Signature of Principal

Annexure II

Statement of Expenditure

1. Name of School :

2. Type of activity/event sanctioned:

3. MEDA sanction No. & Date:

4. Amount released by MEDA :

5. Activity-wise Statement of Expenditure :

Sr. No.	Name of the Activity	Amount sanctioned (In Rupees)	Expenditure incurred (In Rupees)
1.			
2.			
3.			
	TOTAL		

6. Detailed Report on the Activity : To be attached separately

(Principal)
(Sign & Seal)

MEDA Divisional Office Details

Sr. No.	MEDA Divisional Office	District Offices	Office Address
1.	Nagpur	Nagpur, Wardha, Bhandara, Gondia	Dudh Vikas Karamchari Gruhnirman Sahakari Sanstha, First Floor, S.No. 244-A/5-N, Ward No.66, Mouza Sitabuldi, Palm Road, Civil Lines, GPO Square, Nagpur - 440 001. Email id – domedanagpur@mahaurja.com Ph. No. - 0712-2564256
2.	Amravati	Amravati, Yawatmal	Opposite D.I.G Banglow, Nazul Sheet No.18 C, Near Circuit House, Camp Road, Amravati – 444 602. Email id – domedaamravati@mahaurja.com Ph. No. - 0721-2661610
3.	Latur	Latur, Nanded, Osmanabad, Beed	Shri. Shri. Heights, Sr. No. 27/A/1 Plot No.4, Latur – AUSA Road, Latur- 413 512. Email id – domedalatur@mahaurja.com Ph. No. 02382-226680
4.	Aurangabad	Aurangabad, Jalna, Parbhani, Hingoli	Shree Abhiyog Complex, Gat No.141, Satara Parisar, Beed bypass, Aurangabad – 431 005. Email id - domedaabad@mahaurja.com Ph. No. - 0240-2653595
5.	Nashik	Nashik, Nandurbar, Dhule, Jalgaon	Nashik Jillha Krishi Audyogik Sahakari Sangh Ltd., Krishi Bhavan, Ground Floor, Near N.D.C.C. Bank, Dwarka Point, New Mumbai-Agra Road, Nashik – 422 011. Email id - domedanasik@mahaurja.com Ph. No. - 0253-2598685
6.	Mumbai	Mumbai, Thane, Palghar, Raigad	1012 A, 10 th Floor, Embassy Center, Narmin Point, Mumbai – 400 021 Email id – medamumbai@mahaurja.com Ph. No. - 022-22876436
7.	Kolhapur	Kolhapur, Sangli, Ratnagiri, Sindhudurg	S.S.P.249/A-1/55, E-Ward, Mhada Complex, Nagala Park, Near Zilla Parishad, Kolhapur – 416 003. Email id - medakolhapur@mahaurja.com Ph. No. - 0231-2680009
8.	Pune	Pune, Satara, Solapur, Ahmednagar	Aundh Road, Opposite to Spicer College, Near Commissionerate of Animal Husbandary, Aundh, Pune, Maharashtra 411007 Email id - domedapune@mahaurja.com Ph. No. – 020-35000450

For more information write to –

MEDA Head Office –

Maharashtra Energy Development Agency (MEDA),

Aundh Road, Opposite to Spicer College,

Near Commissionerate of Animal Husbandary, Aundh,

Pune, Maharashtra 411007.

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