

Ministry of Power



NATIONAL ENERGY CONSERVATION AWARDS (NECA) 2023 NATIONAL ENERGY EFFICIENCY INNOVATION AWARDS (NEEIA) 2023 NATIONAL PAINTING COMPETITION ON ENERGY CONSERVATION 2023



BUREAU OF ENERGY EFFICIENCY

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1.0 NATIONAL ENERGY CONSERVATION AWARD 2023

- 1.1 The Bureau of Energy Efficiency (BEE), under Ministry of Power, is mandated as per the Energy Conservation Act 2001, to regulate and promote energy efficiency and its conservation in India. The BEE is fulfilling its mandate by implementing various schemes in the area of Energy Efficiency such as Standards and Labeling (S&L) Programme for appliances and buildings, Perform, Achieve and Trade (PAT) for Designated Consumers, Demand Side Management (DSM) initiatives in Agriculture, Municipalities, DISCOMS, Micro, Small and Medium Enterprises (MSME), Strengthening State Designated Agencies (SDA), and Awareness and Outreach. BEE is also implementing the National Mission for Enhanced Energy Efficiency (NMEEE), one of eight missions under National Action Plan on Climate Change (NAPCC) under Hon'ble Prime Minister of India. Through all these schemes, BEE is encouraging to save energy, help reduce carbon footprint and bring down the energy intensity in the country. Ultimate objectives of all these endeavors are to save precious resources for the nation, mitigating climate change and promote sustainable life.
- 1.2 One of the important endeavors under awareness and outreach programme has been the Energy Conservation Awards. To raise awareness on energy efficiency and its conservation, the BEE, under the guidance of Ministry of Power, recognizes and encourages endeavors of industrial units, institutions and establishments in reducing energy consumption by felicitating them with Energy Conservation Awards on the occasion of National Energy Conservation Day, celebrated on 14th December every year.
- 1.3 The awards were given for the first time on December 14, 1991, which was declared as the 'National Energy Conservation Day'. Since then, National Energy Conservation Awards (NECA) has been attracting the attention of all the stakeholders and has witnessed increasing participation level year after year. These awards are presented on EC day by eminent dignitaries and highest functionaries such as Hon'ble President, Hon'ble Prime Minister and Hon'ble Union Minister of Power.
- 1.4 The Award Committee in its meeting held on 12th June 2017 decided to give awards for the sectors on a rolling cycle of 3 years. From NECA 2017 onwards, the sectors were divided in 3 groups corresponding to the years, so as to be repeated every three years. The approved sectors of NECA 2023 by the Award Committee are annexed at *Annexure I*.
- 1.5 After approval of Award Committee, an advertisement was released in leading News Papers across the country (*Annexure – II*), apart from promoting through various social media platforms & websites, inviting applications from approved sector entities.

- 1.6 The Application received till stipulated time were evaluated by Technical Committee under Chairmanship of Member (Thermal), CEA with representatives from Ministry of Railways, Central Electricity Authority (CEA), Energy Efficiency Services Limited (EESL), Centre for High Technology (CHT), National Productivity Council (NPC) and Bureau of Energy Efficiency (BEE). The list of shortlisted awardees was uploaded at NECA Portal inviting public comments.
- 1.7 The recommendations of Technical Committee are submitted to Award Committee for consideration and approval. The Awardees from different sectors are felicitated on National Energy Conservation Day i.e., 14th December.
- 1.8 The applications for NECA 2023 were invited till 9th November 2023 and total 516 applications were received.

2.0 <u>NATIONAL ENERGY EFFICIENCY INNOVATION AWARDS (NEEIA) 2023</u>

- 2.1 To recognize outstanding work and innovative minds of India in the area of Energy Efficiency, NEEIA awards were started in the year 2021. Applications for NEEIA are invited online from various categories viz. Category A: Industries, Building and Transport and Category B: Students and Research Scholars.
- 2.2 The awards are evaluated based on Replicability, Affordability, Reliability, Impact on Energy Savings and Impact on Environment & Sustainability.
- 2.3 The Application received till stipulated time are evaluated by Technical Jury which includes experts from various fields. The list of shortlisted awardees is uploaded at NECA Portal inviting public comments.
- 2.4 The recommendations of Technical Jury are submitted to Award Committee for consideration and approval. The Awardees from different sectors are felicitated on National Energy Conservation Day i.e., 14th December.
- 2.5 The applications for NEEIA 2023 were invited till 9th November 2023 and total 187 applications were received.

3.0 **NATIONAL PAINTING COMPETITION ON ENERGY CONSERVATION 2023**

3.1 The habit of conservation is best introduced and inculcated at the school age. It has been seen that the children are the best agents of change and in this case, we need to prepare

them with the information and knowledge on energy conservation and create interest among them on this important subject.

3.2 In order to continually bring change in the society towards conservation and efficient use of energy, the Ministry of Power is organizing National Painting Competition on Energy Conservation since 2005. The competition is held in three stages, namely, School, State and National Level. The Painting Competition is being organized for students of 5th, 6th and 7th Standards under Group 'A' and of 8th, 9th and 10th standards under Group 'B'.

3.3 Methodology of Painting Competition

3.3.1 Registration – Schools / Individual students register on Painting Competition Portal

School Level:

 Schools organize painting competition for Group 'A' and Group 'B' and upload 2 Best Paintings of each Group on Painting Competition Portal

State Level:

- ✓ Top 50 paintings of Schools of each Group 'A' and Group 'B', selected by State Jury, participate in on the-spot State Level Competition
- State level Jury selects three winners from each Group to participate in National Level Painting Competition

National Level:

- ✓ 1st, 2nd and 3rd prize winners of State Level Painting Competition of the Group 'A' and 'B' from each State/UT participate in "National Level Painting Competition".
- ✓ Jury selects 1st, 2nd, 3rd prize winners & 10 nos. of Appreciation prize winners in each group.
- ✓ All participants of National Painting Competition are invited on NECA day and the winners are felicitated on the same day.
- 3.3.2 An advertisement was released in leading News Papers across the country (Annexure III), apart from promoting through various social media platforms & website.
- 3.3.3 The last date for participation in National Painting Competition 2023 was 6th November 2023. Around 70 Lacs students from 98,000 schools across the country participated for the National Painting Competition 2023.

PHOTOGRAPHS OF THE PREVIOUS EVENT (NECA 2022)



Group photograph of NECA Awardees with Hon'ble President of India (14.12.2022)



Group photograph of National Painting Competition Awardees with Hon'ble President of India (14.12.2022)

<u>Annexure-I</u>

Approved Sectors of NECA 2023

Categories	Sectors
	Aluminium (Smelter)
	Aluminium (Refinery)
	Automobile (Main)
	Automobile (Ancillary)
	Ceramic
	Dairy
	Dyes and Pigments
INDUSTRY	Fertilizer (Phosphate)
	Fertilizer (Urea)
	Petroleum Refinery
	Railway Workshops
	Secondary Steel (Forging, Foundry, Rerolling mills)
	Sponge Iron
	Thermal Power Plants (<100 MW)
	Thermal Power Plants (>100 MW)
TRANSPORT	Zonal Railways
BUILDINGS	Govt. Offices
Beildinge	Corporate Offices
INSTITUTIONS	State Energy Performance Awards
	Appliances
APPLIANCES	(Refrigerator, Washing Machines, Storage Water Heater, Color
	Television, LED Lamps)

Approved Sectors of NEEIA 2023

Category	Sectors
	Industries
Category A	Buildings
	Transport
Category B	Students & Research Scholars

<u>Annexure-II</u>





Annexure-III



SUMMARY OF AWARDS - NECA 2023 AND NEEIA 2023

(A) Summary of Awardees (NECA 2023)

Category	Sector	1st Prize	2nd Prize	Certificate of Merit
	Aluminum (Smelter)	1		
	Aluminum (Refinery)			1
	Automobile (Main)	1	1	2
	Automobile (Ancillary)	1		2
	Ceramic			1
	Dairy	1	1	2
Industry	Dyes & Pigments			1
muustiy	Fertilizer (Phosphate)	1	1	1
	Fertilizer (Urea)	1	1	1
	Petroleum Refinery	1	1	2
	Railway Workshops	1	1	2
	Secondary Steel	1		1
	Thermal Power Plant (<100 MW)	1	1	2
	Thermal Power Plant (>100 MW)	1	1	3
Transport	Zonal Railways	1	1	2
Buildings	Corporate Offices			1
Dullulings	Government Offices	1	1	3
	State Energy Performance Awards (Group 1)	1	2	
Institution	State Energy Performance Awards (Group 2)	1	2	
monution	State Energy Performance Awards (Group 3)	1	1	
	State Energy Performance Awards (Group 4)	1	1	
Appliance	Washing Machine	1		
Appliance of the Year	Refrigerator	1		
or the Teal	Storage Water Heater	1		
	TOTAL	20	16	27

(B) Summary of Awardees (NEEIA 2023)

Category	Sector	1st Prize	2nd Prize	Certificate of Recognition
	Industries	1	1	2
Category A	Buildings			2
	Transport			2
Category B	Students & Research Scholars			
	TOTAL	1	1	6

List of Awardees (NECA 2023)

Category	Sector	1 st Prize	2 nd Prize	Certificate of Merit (COM)
	Aluminum (Smelter)	Hindalco Industries Ltd. Renukoot (Uttar Pradesh)		
	Aluminum (Refinery)			Hindalco Industries Ltd. Ranchi (Jharkhand)
	Automobile (Main)	Tata Motors Ltd. Jamshedpur (Jharkhand)	MG Motor India Pvt. Ltd. Halol (Gujarat)	Ashok Leyland Ltd. Pantnagar (Uttarakhand) Tata Motors Ltd. Lucknow (Uttar Pradesh)
	Automobile I (Ancillary)	Denso Haryana Pvt. Ltd, Manesar (Haryana)		Denso Ten Uno Minda India Pvt. Ltd. Rewari (Haryana) Marelli Motherson Automotive Lighting India Pvt. Ltd. Pune (Maharashtra)
Industry	Ceramic			Saint-Gobain India Pvt. Ltd. Palakkad (Kerala)
	Dairy Navipardi D Surat	SUMUL Navipardi Dairy Surat (Gujarat)	Heritage Foods Ltd. Anakapalli (Andhra Pradesh)	SUMUL Dairy Surat (Gujarat) Malabar Regional Co-Operative Milk Producers Union Ltd. Kozhikode (Kerala)
	(Phosphate) Jagatsingh			UFlex Ltd Chemical Business Noida (Uttar Pradesh)
		IFFCO- Paradeep Jagatsinghpur (Odisha)	Paradeep Phosphates Ltd. Jagatsinghpur (Odisha)	The Fertilizers and Chemicals Travancore Ltd. Ernakulum (Kerala)
	Fertilizer (Urea)	KRIBHCO Fertilizers Ltd. Shahjahanpur (Uttar Pradesh)	National Fertilizers Ltd. Panipat (Haryana)	Chambal Fertilisers and Chemical Ltd Gadepan-I Kota (Rajasthan)

Category	Sector	1 st Prize	2 nd Prize	Certificate of Merit (COM)
	Petroleum Refinery	Indian Oil Corporation Ltd. Guwahati (Assam)	Hindustan Petroleum Corporation Ltd. Mumbai (Maharashtra)	Indian Oil Corporation Ltd. Haldia (West Bengal) Bharat Petroleum Corporation Ltd. Kochi (Kerala)
	Railway Workshops	Wagon Depot South Central Railway Vijayawada (Andhra Pradesh)	Central Workshop Southern Railway Trichy (Tamil Nadu)	Carriage Repair Workshop Western Railway Bhavnagar (Gujarat) Carriage & Wagon Workshop Eastern Railway Liluah (West Bengal)
Industry	Secondary Steel	Shreeyam Power & Steel Industries Ltd. Gandhidham (Gujarat)		Jash Engineering Ltd. Indore (Madhya Pradesh)
	Thermal Power Plant (<100 MW)	Ultra Tech- Nathdwara Cement Works Sirohi (Rajasthan)	Grasim Industries Ltd Chemical Division Palamau (Jharkhand)	Ultra Tech Cement-Maihar Cement Works Satna (Madhya Pradesh) Bajaj Energy Ltd. Utraula (Uttar Pradesh)
	Thermal Power GMR Warora Plant (>100 MW) Energy Ltd. Chandrapur Chandrapur (Maharashtra) Maharashtra)	Odisha Power Generation Corporation (OPGC) Ltd. Jharsuguda (Odisha)	Bhushan Power and Steel Ltd. Sambalpur (Odisha) NTPC Tamil Nadu Energy Company Ltd. Tiruvallur (Tamil Nadu) Nabha Power Ltd. Patiala (Punjab)	

Category	Sector	1 st Prize	2 nd Prize	Certificate of Merit (COM)
Transport	Zonal Railways	North Central Railway	South Central Railway	Western Railway South Western Railway

Category	Sector	1st Prize	2nd Prize	Certificate of Merit (COM)
	Corporate Offices			Reliance Nippon Life Insurance Corporation Ltd. Mumbai (Maharashtra)
Buildings	Government Offices	Passenger Reservation System, Hyderabad South Central Railway	Lekha Bhawan, Hyderabad Division South Central Railway	Railway Running Room, Guntakal Division South Central Railway Reniguntha Railway Running Room, Guntakal Division South Central Railway Division Railway Manager Office, Guntakal Division South Central Railway

Category	Sector	1st Prize	2nd Prize	Certificate of Merit (COM)
Institutions	State Energy Efficiency Performance Award (Group 1)	Karnataka	Haryana Maharashtra	
mstitutions	State Energy Efficiency Performance Award (Group 2)	Andhra Pradesh	Kerala Telangana	
	State Energy Efficiency Performance Award (Group 3)	Assam	Goa	
	State Energy Efficiency Performance Award (Group 4)	Chandigarh	Meghalaya	

Category	Appliance Name	Model Number	
	Washing Machine	Model No: WA70BG4441BY Brand: Samsung	
Appliances	Refrigerator Storage Water Heater	Model No: DC 215 F Brand: Whirlpool	
		Model No: SWH 3015 Brand: Crompton	

List of Awardees (NEEIA 2023)

Industry Category					
Company	Project Title	Prize			
Tata Steel Ltd.	Use of Coke Drying system to reduce fuel consumption in a Blast Furnace	1 st			
Bharat Petroleum Corporation Ltd.	Bharat HiGee Deaeration Technology: An Initiative towards Net Zero	2 nd			
Tata Steel Ltd.	Predictive modelling project for Coke Oven Gas Generation	COR			
Vedanta Ltd Aluminium & Power, Jharsuguda	Vedanta Lining Design	COR			

* COR – Certificate of Recognition

Transport Category

Company	Project Title	Prize
Lohum Cleantech Private Ltd.	Lohum Battery Materials Production via Recycling of Waste Batteries	COR
Cancrie	Advanced carbons for high performing batteries	COR

Building Category

Company	Project Title	Prize
Ant Studio Private Ltd.	CoolAnt	COR
75F Smart Innovation Solutions India Pvt Ltd	Energy efficiency vis-à-vis thermal comfort: A case study of biggest E-commerce office building	COR

<u>List of Awardees</u> (National Painting Competition on Energy Conservation 2023)

Prize	Student Name	Class	Name of the School	State/UT
1st	ARUSHI SINGH	VII	Acharyakulam, Haridwar	Uttarakhand
2nd	KHYATISHREE P	VII	Amity International School, Naya Raipur	Chhattisgarh
3rd	AARVI ARUN KORAT	VI	White Lotus International School, Surat	Gujarat
Appreciation	AWAIZ ALAM	VI	My World Hr. Sec. School, Jahangirabad	Madhya Pradesh
Appreciation	NANDANI SATISH CHOURASIYA	VII	Model High School, Mumbai	Maharashtra
Appreciation	SAYAN SARDAR	V	Champahati Nilmoni Kar Vidyalaya, Champahati	West Bengal
Appreciation	SHATAKSHI VATSH	VI	Acharyakulam, Haridwar	Uttarakhand
Appreciation	DIBYANSHEE JENA	VII	Sai International School, Bhubaneswar	Odisha
Appreciation	ARADHYA MOHAPATRA	VII	DAV Public School, Chandrasekharpur	Odisha
Appreciation	SANSTHITA DAS	VI	The Khaitan School, Sector 40, Noida	Uttar Pradesh
Appreciation	HAFSAH BINT MAHASOOM	VII	Govt. Sadar Patel Sr. Sec. School, Kalpeni	Lakshadweep
Appreciation	SRUSHTI SIDDHESHWAR KONADE	VII	Indian Model School CBSE Twin, Solapur	Maharashtra
Appreciation	DEBAKANA DATTA	VII	A.J.M. Vidya Bhawan, Sepahijala	Tripura

GROUP A (Class 5th, 6th and 7th)

GROUP B (Class 8th, 9th and 10th)

Prize	Student Name	Class	Name of the School	State/UT
1st	JUNEID AYUB	VIII	Shishu Niketan H. S. School, Guwahati	Assam
2nd	SIMRAN SAINI	х	DAV Centenary Public School, Jaipur	Rajasthan
3rd	BRISTI GHOSH	Х	Kendriya Vidyalaya, Cossipore	West Bengal
Appreciation	VIMAL PRADHAN	Х	Govt. High School, Portah	Chhattisgarh
Appreciation	ARITRIKA MAJI	IX	Douglas Memorial Higher Sec. School, Kolkata	West Bengal
Appreciation	ASHIRBAD DAS	VIII	DAV Public School, MCL, Dera	Odisha
Appreciation	HIYANGSHU KASHYAP	IX	Gurukul Grammar S.S.C. School, Guwahati	Assam
Appreciation	SHIVRAJ PAL	IX	Shri Krishna Mission School, Agartala	Tripura

Prize	Student Name	Class	Name of the School	State/UT
Appreciation	RACHANA	IX	L. R. DAV Public School,	Odisha
	MOHAPATRA		Cuttack	
Appreciation	DISHANK CHAKRABORTY	VIII	Anand Academy, Guwahati	Assam
Appreciation	AYUSHI KUMARI	х	S. B. DAV Public School, Karol Bagh	Delhi
Appreciation	SHAGUN GUPTA	х	S. A. Jain Sr. Model School, Ambala City	Haryana
Appreciation	MANAS AMEERA M.	Х	Govt. Girls' Higher Secondary School, Alappuzha	Kerala