

3RD EDITION

SURVEY OF ENERGY CONSERVATION IN INDIA 2021

PROPOSED CONTENTS

INDIA'S FIRST OF ITS KIND
BOOK ON ENCON



SURVEY OF ENERGY CONSERVATION IN INDIA 2021

PROPOSED CONTENTS

- ✓ Energy Conservation Scenario in India
- ✓ Legal Framework for Energy Conservation (ENCON)
- ✓ BEE-Central Nodal Agency for Energy Conservation (ENCON)
- ✓ Role of State Designated Agencies (SDAs) in implementing ENCON
- ✓ BEE Certified EC Professionals – CEAs and CEMs
- ✓ BEE Accredited Energy Auditors and ESCOs
- ✓ PAT Progress and Achievements
- ✓ Organisations promoting ENCON in India: AEEE, CII-GBC, EESL, IREDA, PCRA, SEEM, TERI
- ✓ **“National Energy Conservation Awards” (NECA)**
(Presented by Ministry of Power (MoP), Govt. of India, through BEE)
- ✓ **“National Award for Excellence in Energy Management” (NAEEM)**
(Presented by CII - Sohrabji Godrej Green Business Centre, Hyderabad)
- ✓ **List of Award Winners: MoP’s NECA and CII’s NAEEM - 2018, 2019, 2020**
- ✓ **India’s Top 100 Energy Efficient Industrial Units**
(30+ Industrial Sectors - Aluminium to Tyres)
- ✓ **India’s Top 25+ Energy Efficient Buildings**
(Airports, Educational Institutions, Hospitals, Hotels, Offices - BPO & IT)
- ✓ **India’s Top Energy Award Winning Discoms, SDAs, Financial Institution**
- ✓ **EE Appliances and Energy Saving Product Manufacturers**
- ✓ **Railways - Admin Buildings, Metro Rail, Production Units, Workshops**
- ✓ **Focus on Companies Leading Energy Efficiency Movement in India and Key Equipment Suppliers**
- ✓ **Directory of Energy Award Winning Units, Accredited Energy Auditors and Accredited ESCOs, SDAs, Equipment Suppliers etc.**

Proposed Award Winning Companies/Units to be featured in “Survey of Energy Conservation in India 2021”

‘Special Profile’ of each industrial unit will include: Corporate information, company’s history in brief, top management, Unit’s profile, energy mix, energy consumption, specific energy consumption, EC benchmarking, major energy saving projects during the last three years with investments and savings achieved, innovative projects, PAT achievements, Unit’s leadership, ENCON team, energy professionals - EAs’ and EM’s etc.

Industrial Sector		Proposed Companies/Units
1	Aluminium	BALCO, Hindalco, NALCO, Vedanta
2	Automobiles	Ashok Leyland, Hero Motocorp, Honda Motorcycle, Hyundai Motor India, Mahindra & Mahindra, Tata Motors, VE Commercial Vehicles
3	Auto Ancillary	Endurance Technologies, Marelli Motherson Auto, Rane Brake Lining, Stanadyne India, Subros
4	Cement	ACC, Alsthom Industries, Ambuja Cement, Birla Corp, Dalmia Cement, HeidelbergCement, JK Cement, JK Lakshmi, KCP, My Home Ind, Nuvoco Vistas, Orient Cement, Ramco Cements, Shree Cement, UltraTech Cement
5	Ceramics	Prism Johnson
6	Chemicals	Godrej Inds, Jubilant Life Sciences, Laxmi Organics, UPL Ltd
7	Chlor-Alkali	Grasim Industries
8	Consumer Goods	Godrej & Boyce Mfg. Co, Panasonic Life Solutions, Samsung India Electronics
9	Dairy	Amul Dairy, Heritage Foods
10	Drugs-Pharma	Aurobindo Pharma, Dr. Reddy’s Laboratories, Hetero Labs, IPCA Laboratories, Mylan Laboratories, Nectar Lifesciences, Sai Life Sciences
11	Edible Oil/Vanasp	Godrej Agrovet, Kaleesuwari Refinery, KTV Health Food
12	Engineering	Amara Raja Batteries, Kirloskar Oil Engine, Titan
13	Fertilizers	Coromandel International, IFFCO
14	Food Processing	ITC - Foods Division, Mondelez India Foods
15	Foundries	Bakgiyam Engg, Porwal Auto Components, Technosystems
16	General	ATC Ltd, ITC Ltd
17	Glass	Gopal Glass Works
18	Mining	HZL’s Sindesar Khurd Mine, NLC India - Neyveli
19	Ordnance Factory	Ammunition Factory - Pune, Ordnance Factory - Medak, Gun Carriage Factory - Jabalpur, Ordnance Factory - Dumdum

20	Paints	Asian Paints, BEEPEE Coatings
21	Paper	Bilt Graphic Paper Products, Century Pulp & Paper, ITC PSPD, JK Paper, Orient Paper, Seshasayee Paper & Board, Tamilnadu Newsprint
22	Petrochemicals	GAIL India, Haldia Petrochemicals, Kothari Petrochemicals, Reliance Industries
23	Power	Adani Electricity (Ex Reliance), DB Power, GMR Warora Energy, Gujarat Ind Power Co, JSW Energy, Nabha Power, NTPC, Rajasthan Rajya VUNL, Ratnagiri Gas and Power
24	Refinery	Bharat Oman Refineries, Indian Oil Corp, Nayara Energy
25	Steel-Cold Rolled	Jindal Steel - Hissar, JSW Steel Coated Products, Tata Steel Processing and Distribution Ltd
26	Steel-Ferro Alloys	Nava Bharat Ferro Alloys
27	Steel-Integrated	Indian Steel (ISWP), JSW Steel, Rashtriya Ispat Nigam (Vizag Steel), SAIL-IISCO, Tata Steel, Tata Steel BSL, Vedanta's Sesa Goa Iron Ore
28	Steel-Re Rolling	Electrotherm (India), Rathi Iron & Steel
29	Steel-Special	Mahindra Sanyo Special Steel Pvt Ltd
30	Steel-Sponge Iron	Kirloskar Ferrous Industries, Nalwa Steel and Power
31	Sugar	Dalmia Bharat, DCM Shriram, EID Parry India
32	Textiles-Large	Arvind Ltd, Grasim Industries, Raymond
33	Tyres	Balkrishna Industries, JK Tyre & Industries

Transport Sector		Proposed Airports
1	Airports	GMR Hyderabad International Airport, Lal Bahadur Shastri Intl Airport- Varanasi, Mumbai International Airport

Buildings Sector		Proposed Educational Institutions
1	Educational Institutions	Amrutvahini College of Engineering, L&T's Leadership Academy-Lonavala, St. Teresa's College

Buildings Sector		Proposed Hospitals
1	Hospitals	Fortis Hospital, Krishna Institute of Medical Sciences (KIMS), VPS Medeor Hospital (Ex Rockland)

Buildings Sector		Proposed Hotels
1	Hotels	ITC-Maurya, Leela Hotel, Taj Krishna

Buildings Sector		Proposed Office-BPOs-IT
1	Office-BPOs-IT	Beary Properties & Dev, Candor, Cognizant TSPL, CtrlS Datacenters, ICICI Bank, Infosys, Olympia Tech Park

Indian Railways		
1	Admin Buildings	NR-Delhi, SCR-Sec'bad, SR-Chennai, SWR-Hubballi, WR-Mumbai
2	Metro Railway	Lucknow Metro Rail Corp
3	Production Units	Chittranjan Locomotive Works, Modern Coach Factory, Integral Coach Factory
4	Workshops	Carriage & Wagon WS-Jagadhri, Central Workshop, Ponmalai-Trichy, Diesel Loco Modernisation Works

Institutions Sector		Proposed Institutions
1	DISCOMs	Andhra Pradesh Eastern Power, BSES Rajdhani Power, BSES Yamuna Power, Dakshin Gujarat Vij Company, Southern Power Dist Co of AP, Tata Power Delhi Distribution, Southern Power Dist Co of TG
2	Financial Institution	SIDBI
3	SDAs	APSEC Mission, Arunachal Pradesh Energy Dev Agency, CE (EC & PPM)-Cum-CEI, Bhubaneswar, EMC, Thiruvananthapuram, Maharashtra Energy Dev Agency, New & Renewable Energy Dept, Hareda, UP New & Ren Energy Dev Agency

Appliances		Proposed Appliances Companies
1	ACs	Daikin AIPL, LG Electronics, Voltas
2	Ceiling Fans	Crompton G CEL, Usha International
3	Colour TVs	Intex Technologies
4	LED Bulbs	Crompton G CEL
5	Pumps	CRI Pumps
6	Refrigerators	Godrej & Boyce
7	SW Heater	Ariston Thermo IPL (Racold), Havells India

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