



**BNN
POWER**

COMPREHENSIVE ENERGY AUDIT

**500 UNITS/DAY FOR
1000KVA MD GUARANTEED
BY ONLY AUDIT
(NO CAPITAL INVESTMENT)**



**AN ESCO COMPANY
EMPANELED WITH
BUREAU OF ENERGY
EFFICIENCY, GOVT. OF
INDIA, MINISTRY OF
POWER**



OUR PROFILE

Established in 2009, **BNN Power** is a reputed developer, manufacturer and service provider. All our Technical products are best in performance and provide complete reliability to the users. Under the visionary leadership of our mentors, we have been able to make ourselves well-known brand of Industrial and commercial sectors in the national market. Bureau of Energy Efficiency, Govt. of India, Ministry of power empanelment as an Energy Service Company is our credential.

THE OBJECTIVE

BNN Power is a Mumbai, based **ESCO (Energy service Company) empaneled with Bureau of Energy Efficiency, Govt. of India, Ministry of Power**. Engaged in developing an extensive range of innovative PRODUCTS to the customers of Various types of Industrial, Textile, Medical & Commercial sectors.

Acknowledged for reliability, innovative idea and availability with lower price, Our range of PRODUCTS is widely used in Energy Saver for Industries & Motor/Mixed Load, Harmonics Control Filter, Solar Energy Plant Installation, Power Factor control with or without capacitors and many other purposes.



INTRODUCTION

A Comprehensive Energy Audit is a systematic and thorough examination of a factory or organization's energy usage patterns, aimed at identifying opportunities to optimize energy consumption and reduce energy costs. The objective of a comprehensive energy audit is to identify, evaluate, and prioritize energy-saving measures based on their potential impact, cost-effectiveness, and feasibility.

 **We support our customers in the most effective way possible, both on the Electricity bill reduction and in maintenance, quality and safety.** 

BNN POWER team of experts use the unique combination of daily monitoring data, Production data , analytics, and human expertise to bring value to its customers. This results in optimized machine lifecycle efficiency and improved performance. From avoiding losses & wastage of electricity to providing solutions that improve performance, our team of experts a force to reckon with. Read on to see what are the other prominent features.

KEYPOINTS



- 1. Data Collection:** This involves gathering information on the factory energy usage, such as utility bills, energy consumption data, and operating schedules.
- 2. Energy Survey:** This involves conducting a physical inspection of the factory to identify energy-saving opportunities and areas where energy is being wasted. This include looking at HVAC systems, insulation, and other energy-using equipment. Compressor losses, Chilling plant losses, Cable Losses, Transformer losses, etc.
- 3. Energy Modeling:** This involves GPRS monitoring to simulate the Energy energy usage and to identify areas where energy savings can be achieved. Customized dashboard enables comparison for similar production entity, peak non peak Hrs, etc.
- 4. Analysis and Implementation:** Based on the data collected and the energy survey, BNN POWER Audit team will analyze the factory or organization energy usage and ensure losses & wastage converted for energy-saving measures. These will be prioritized based on their potential impact, cost-effectiveness, and feasibility till reflection in monthly electricity bill.
- 5. Comparison :** Normal Audit recommendations required separate budget. Comprehensive energy Audit will be benefited by implementation during audit period in co ordination with maintenance team.
- 6. Utility comparison with Production:** Utility runs irrespective of production. By finding individual machine utility requirement excess consumption can be reduced remarkably.
- 7. Specific Energy requirement:** It indicates efficiency of particular equipment at Load side and supply side.
- 8. Audit compliances :** All audit compliances will be closed in co ordination with Audit team & maintenance team.

DETAILS

By comprehensive energy audit, organizations can reduce their energy consumption and lower their energy costs. In addition, they can also improve their energy efficiency, increase their operational efficiency, improve power quality and reduce their carbon footprint. Yearly maintenance cost reduction will be the added benefit.

By providing performance guarantees, optimizing maintenance and thereby operations, our team of experts help customers avoid and address unforeseen operational and technical events other than paying reduced electricity costs.

BNN POWER facilitates different kinds of service levels to its customers through a collaboration between the company's maintenance planners, and our team of experts with remote support. We have proactive guidance and advisory services, this service is free for one year. Energy saving establishment is a crucial task, again to maintain consistent performance by routine testing , to maintain bench mark, remote monitoring is double crucial task. Obviously this will reduce monthly electricity bill.

We optimize the power utilized for the customer which improves power quality , thus minimizes yearly maintenance and production downtime.



THE FIGURES

“No matter where the customer is, they will get online assistance anytime, anywhere. If something of special competence needs to be done on site, we have them link to the back office by a high quality engineer to resolve the issue. These experts often predict site condition, they’re dedicated to their own customers, they know the history of the site, which makes dealing smooth”.



The relationship is also one of collaboration and mutual benefit. “We’ve gained substantial technical experience and we feed this knowledge back to customers”. Customers benefit from this we provide feedback, and point out issues, and improvements to maintenance activities.”

Ultimately, the role of our team of experts is to enhance the lifecycle efficiency of customers’ assets. “The first target,” is to define the optimal maintenance intervals and, in the end, to ensure the performance BNN POWER is responsible for towards its customers, whose interest, in turn, lies in electricity bill reduction for the customers.”

Work Completion - From the date of receipt of work order, and the draft energy audit report is submitted thereafter in 3-4 weeks. Finalization of energy audit report is normally completed after 1 Month.

Energy saving is not a one time Job, thus our team of experts compare the data with the production data & Utility data this a time consuming subject. Also ground team collect the machine specific data at actuals, highlight specific area wise consumption and maintain the same to avoid losses & wastage of electricity. Imagine the job of experts very calm and obedient, to grab the single opportunity in spite of production variation respective testing machines & utility load etc.



CLIENTS



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THE TIMES OF INDIA



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ALL ENERGY AUDIT ILLUSTRATIVE CLIENT LIST

Sr. No.	Client Type of Business	Type of Business	Load in KVA	Qty.
MEDICAL/PHARMA SECTOR				
1	Gloabal Hospital, Parel, Mumbai	Hospital	1200	1
2	Hira Mongi Hospital, Mulund, Mumbai	Hospital	180	1
3	Life Line Hospital, Pune	Hospital	50	1
4	Lion Hospital, Navi Mumbai	Hospital	40	1
5	Fortis Hospital, Mulund, Mumbai	Hospital	1500	1
6	Upasani Super Specialty Hospital, Mulund	Hospital	150	1
7	Shushrusha Hospital, Nerul	Hospital	65	1
8	Life Care Hospital, Thane	Hospital	60	1
9	Sawant Nursing Home, Nerul	Hospital	25	1
10	Anurag Nursing Home, Nerul	Hospital	35	1
11	HCG Hospital, Bangalore	Hospital	190	1
12	MCGM - Dr. Anandibai Joshi Hospital, Kurla,	Hospital	75	1
13	MCGM - Dr. Anandibai Joshi Hospital, Kurla,	Hospital	75	1
14	MCGM - Maa Hospital, Chembur, Mumbai	Hospital	130	1
15	MCGM - Meenatai Thakre Hospital, Mumbai	Hospital	100	1
16	MCGM - Ramabai Ambedkar Hospital, Mumbai	Hospital	95	2
17	MCGM - Shatabdi Hospital, Govandi, Mumbai	Hospital	430	1
18	MCGM - Jumbo Covid Hospital BKC, Mumbai	Hospital	1600	Phase I & II
19	MCGM – Rajawadi Hospital, Ghatkopar, Mumbai	Hospital	350	1
20	MCGM – GTB Hospital- Shiwri, Mumbai	Hospital	80	1
21	SRV Hospital, Chembur	Hospital	250	1
22	New Rekha Chemicals Pvt Ltd., Dombivali	Chemical	300	1
23	TATA 1MG Technologies Limited	Pharmacy Labs	50-200	42
24	Metallurgical Testing Services, Mumbai	Laboratory	100	1
25	Shreecham Laboratory, Navi-Mumbai	Laboratory	200	1
26	Cipla Limited, Vikhroli, Mumbai	Pharmaceutical	1400	1
27	Aarti drugs Ltd.- Tarapur, Palghar	Pharmaceutical	210-730	6
28	Yashraj Biotechnologies LTD., Mavi-Mumbai	Pharmaceutical	300-500	3
29	Bharat Serum Ltd., Navi-Mumbai	Pharmaceutical	800	1
30	Watson Pharmaceuticals Ltd, Badlapur	Pharmaceutical	840	1
31	Kilitch Healthcare Pvt. Ltd	Pharmaceutical	500	1
32	V.V. Pharma Pvt Ltd.	Pharma/ Mft.	400	1
33	Thermofisher scientific, Mumbai	Healthcare	135	1
MANUFACTURING/PACKAGING SECTOR				
34	Indofill Industries Ltd., Thane	Manufacturing	1200	1
35	Fibre Foils Limited, Khopoli, Raigad	Manufacturing	600	1
36	Vertiv Ltd., Ambernath MIDC	Manufacturing	625	1
37	Advanced Bolting Solutions Pvt Ltd., Navi-Mumbai	Manufacturing	120	1
38	New Age Fire Protection Industries Ltd., Khopoli	Manufacturing	450	1
39	Apex Technoplasts Pvt. Ltd, Khopoli	Manufacturing	500	1

40	Mansons Internationals, Taloja MIDC, Panvel	Manufacturing	600	1
41	Interfab Electronics, Navi-Mumbai	Manufacturing	200	1
42	Bhalaria Metal Craft Pvt Ltd., Bhayandar, MH	Manufacturing	210	1
43	Neutech Sintered Products Pvt Ltd., Boisar	Manufacturing	300	1
44	Pawan Hans Ltd., Mumbai	Manufacturing	300	1
45	Sims Ceramics Ltd, Morbi	Manufacturing	400	1
46	Simpolo Vitrified Pvt Ltd., Morbi	Manufacturing	350	1
47	V3 Industries, Gujrat	Manufacturing	-	1
48	Nestle India Limited, Mysore, Karnataka	Dairy	650	1
	Sumul Dairy – Surat, Gujarat	Dairy	1100	1
49	Amul Ltd. – Ananad Gujarat & Vasai Thane	Dairy	1600	2
50	Nestle India Limited, Mysore, Karnataka	Dairy	650	1
51	Times of India – Airoli , Kerala	Printing	170 & 850	2
52	Lokmat Ltd. – Mahape, Nashik, Aurangabad, Jalgaon, Latur, Mumbai, Solapur, Pune	Printing	240-480	8
53	Prudent Arts & Fab Pvt Ltd., Navi-Mumbai	Printing	200	1
54	Reliable Analytics Pvt Ltd., Bhiwandi , Thane	Calibration Lab	350	1
55	Tata Steel – Tarapur, Palghar	Steel	2600	1
56	Shivam Steels & Tubes Ltd., Atgaon	Steel	350	1
57	Venus wires Ltd.,Khopoli	Steel	730	1
58	Aquasub Engg. Ltd.- Coimbatore	Foundry	800&1700	3
59	Time Technoplast Ltd., Mumbai	Plastic Industry	450-700	4
60	VKM Foods Pvt Ltd., Taloja MIDC, Panvel	Seafood	580	1
61	Simpolo Ceramics – Morbi, Gujarat	Tiles Industry	1700	1
TEXTILE SECTOR				
62	Arvind Mills Ltd. - Ahmedabad, Gujarat	Textile	800	1
63	Juliet apparels - Karnataka	Textile	715	1
64	Shiv Shankar Textiles, Navi-Mumbai	Textile	600	1
65	Kanhayya Texport, Solapur	Textile	800	1
66	Arvind Fashion Industries Ltd., Bangalore	Garments	1000	1
67	Laxmi Spinners, Solapur	Textile	500	1
68	Bolli Cotton & Spinners, Solapur	Textile	200	2
69	Anisha Silk Mill Pvt. Ltd., Gujarat	Textile	300	1
70	Limon Process, Navi-Mumbai	Textile	600	1
CORPORATE/OFFICE SECTOR				
71	Canara Bank – Mumbai & Suburbs	Banking	14-65	48
72	Bank of Maharashtra, Mumbai	Banking	80	1
73	Hotel Tanish Taloja	Hotel	100	1
74	Hotel Marine Plaza, Fort, Mumbai	Hotel	180	1
75	Hotel Grand Central, Chembur	Hotel	120	1
76	K Star Mall, Chembur	Shopping	300	1
77	Bharat Diamond Ltd., BKC, Mumbai	-	-	1
78	Brocade Communication, Bangalore	Offices	-	1
79	Bhavariva Motors Ltd. - Goa	Automobile	60-170	7
80	Wonder cars – Pune	Automobile	30-75	8
SPORTS SECTOR				

81	Airoli Sports Club Association, Navi Mumbai	Sports Club	600	1
82	Mumbai Cricket Association's Sharad Pawar Stadium – BKC, Mumbai	Cricket Stadium	900	1
83	Mumbai Cricket Association's Sachin Tendulkar Gymkhana – Kandivali, Mumbai	Sports Club	800	1
84	Jolly Gymkhana - Ghatkopar, Mumbai	Sports Club	700	1
EDUCATION SECTOR				
85	Pawar public School, Bhandup, Mumbai	School	290	1
86	Podar International School, Bhiwandi, Thane	School	200	2
87	ITM college Nerul & Kharghar, Navi Mumbai	College	430	1
88	NES Ratnam College, Mumbai	College	180	1
89	Anglo Eastern Merytime Academy, Khopoli	College	350	1
PUBLIC/GOVERNMENT/MUNICIPAL CORPORATIONS				
90	NMMC – CBD Belapur Pump House	Pump House	2000	1
91	NMMC – Sewage Treatment Plant	Pump House	500-800	4
92	MSRTC Ltd. – All over Maharashtra Depo	Transport	45-180	9
93	Airport Authority of India, Bangalore	Aviation	950	2
94	Canteen Stores Department (Military Building), Churchgate Mumbai	Office	75	1