

## **RULES & REGULATIONS FOR THE COMPETITION OF BEST BOILER USER AWARD 2024**

1. Download the form corresponding to your type of industry from the categories as mentioned below:
  - I. Power Plant
  - II. Captive / Co-generation (Steel / Cement / Chemical / Petrochem / Distilleries)
  - III. Sugar Factories
  - IV. Pharma / Chemical / Dairy / Hotels / Food
  - V. Textile Process Houses / Edible Oil / Paper / Ordnance / Distilleries / Animal Feed / AAC Blocks
  - VI. Sizing / Rice Mills / Other Small Industries including SIB type of Boilers.
2. Download the corresponding format of your industry as mentioned in Sr. No. 1.
3. **It is mandatory to submit hard copy of your entry form to:**

***The Director, Directorate of Steam Boilers, 7<sup>th</sup> Floor, Kamgar Bhavan, Plot C-20,  
Block E, Bandra Kurla Complex, Bandra East, Mumbai – 51.***

**Write the name of the category in which participating, on TOP of the envelope.**

**5. TEXTILE PROCESS HOUSES / EDIBLE OIL / PAPER / ORDNANCE / DISTILLERIES /  
ANIMAL FEED / AAC BLOCKS**

***The Director, Directorate of Steam Boilers,  
7<sup>th</sup> Floor, Kamgar Bhavan, Plot C-20,  
Block E, Bandra Kurla Complex,  
Bandra East, Mumbai – 51.***

#### 4. Last date for submission of Forms is 31.07.2024.

5. Out of the total applications received, the applications from each category securing highest marks according to evaluation system, will advance to the verification round of the competition.
6. The site verification process will be conducted at your works by the Committee members comprising of industrial experts nominated by the Directorate of Steam Boilers, Maharashtra State, specifically for this **BEST BOILER USER AWARD 2024** competition.
7. During verification the company will be required to furnish documents pertaining to the competition to the jury members. Major emphasis will be given to housekeeping, safety measures, visual charts, signboards, upkeep of boilers and other parameters required for trouble-free and safe boiler operations.
8. There will be three prizes in each category. Prizes will be distributed on **27<sup>th</sup> September 2024** during the Boiler India 2024 concluding ceremony.

9. In case of difficulties in filling forms, please contact:

CATEGORY NO.	CATEGORY	CONTACT PERSON & CONTACT NUMBER
1	POWER PLANT	SHRI. PRAMOD KATE: 9881820271
2	CAPTIVE CO-GENERATION (STEEL, CEMENT, CHEMICAL & PETROLEUM, DISTILLERIES)	SHRI. PRAMOD KATE: 9881820271 SHRI. AJIT JAWALE: 9987246751
3	SUGAR	SHRI. SUDHIR PATIL: 9850827966 SHRI. PRAMOD KATE: 9881820271
4	PHARMA / CHEMICAL / DAIRY / HOTELS / FOOD	SHRI. D. R. PARKALE: 9881611707 SHRI VIRAF KARANJAWALA: 9820038014
5	TEXTILE PROCESS HOUSES / EDIBLE OIL/PAPER/ORDNANCE / DISTILLERIES/ ANIMAL FEED / AAC BLOCKS	SHRI. ABHAY PHADKE; 9422249499
6	SIZING / RICE MILLS / OTHER SMALL INDUSTRIES / SIB	SHRI. ABHAY PHADKE; 9422249499

10. The decisions taken by the Jury will be abiding and final.

11. If required, the jury shall call upon any additional information required from the participants.

**BOILER INDIA- 2024 PARTICIPANT FORM**  
**APPLICATION FOR BEST BOILER USER AWARD 2024**

**CATEGORY: TEXTILE PROCESS HOUSES / EDIBLE OIL / PAPER / ORDNANCE / DISTILLERIES / ANIMAL FEED / AAC BLOCKS**

**Note: Company can enter details pertaining to any one of their continuous working boilers in the competition.**

**A ] Company Details:**

Sr. no.	Details	To be filled by Participant
1	Name of Company	
2	Address of company, Contact No. & Email.	
3	Name of Boiler Inspectorate Regional office	
4	Contact person: Name, Designation, Email ID and Mobile No.	

**B] BASIC DETAILS OF ALL REGISTERED BOILERS:**

Sr. No.	Boiler registration Nos.	Fuel	Heating Surface in M <sup>2</sup>	Type of Boiler (Smoke tube / water tube / Composite)	Operation of boilers (Auto /Semi Auto / Manual)	Boiler Capacity Kg/hr	Working Pressure Kg/cm <sup>2</sup>	Standby / working

**Note:** Please highlight the registered Boiler which is to be considered for the competition.

### C] BOILER HOUSE CONCERNED POINTS:

Sr. no.	Details	To be filled by Participant
1	Date of last Hydraulic Test Inspection of Boiler. Certificate No. & Date.	
2	Please attach photographs of <b>BOILER INSPECTION KIT</b> consisting of a) Scale. b) Vernier Caliper. c) Inside Outside Caliper. d) Ball-peen hammer. e) Torch. f) Safety Goggles. g) Hand Gloves. h) Chalk. i) Helmet j) Drawings.	
3	Is Boiler certificate hung in boiler house?	Yes / No
4	Do you maintain logbook and whether endorsed / checked by maintenance / operation in-charge?	Yes / No
5	Are you doing boiler flue gas analysis from recognized agency?	If yes, give details with frequency.
6	What is the level of CO (ppm), CO <sub>2</sub> % & O <sub>2</sub> %, in boiler flue gases? (Submit relevant Documents / Reports)	-
7	What is the actual thermal efficiency of your Boiler? (Submit Report)	%

8	What is frequency of boiler chimney thickness checking?	
9	Which Pollution control measure taken? Describe briefly.	
10	Do you have a condensate recovery system? If no, give reasons.	
11	If yes, what is condensate recovery in %?	
12	Which major awards / recognition your company has received in respect to Energy, Environment & Safety in last 2 years.	
13	Please mention energy conservation schemes Implemented in boiler house in year 2022-23 and 2023-24, please describe.	
14	If yes, what is quantity of fuel and power saved in boiler house in year 2022-23 and 2023-24.	
15	Do you conduct walk through audit to identify steam leakages / losses? If yes, number of steam/condensate leakages identified and attended during year 2023-24.	
16	Number of breakdowns of boilers observed during 2023-24.	
17	Do you have Fuel analysis apparatus? If yes, please mention list.	
18	<b><u>Housekeeping</u></b> Please attach at least 4 colored photographs related to cleanliness in and around boiler house premises. Each photograph should be printed on A4 photo sheet.	
19	Give details of Boiler Feed Water (From feed water tank) & Boiler	

	Water (Blow down water) Analysis.	
20	Please mention Personal Protective Equipment provided for personnel in boiler house.	
21	Do you have updated First Aid & Burn Kit in the Boiler House?	
22	Do you have Fire Fighting System in Boiler House & Fuel Yard?	
23	Type of Water Treatment Plant.	Softener / DM Plant / RO Plant
24	Provide Steam to fuel ratio.	
25	Provide surface temperature of thermal insulation of Boiler in °C	
26	Do you have an established process of periodic checking of thermal insulation?	
27	Are the safety valve exhaust pipes and air vents taken outside the boiler house?	
28	Are the drain lines of gauge glass, headers, mobrey and boiler blow down safely connected to the blowdown pit? Is the Blowdown pit properly covered?	
29	Do you maintain Standard Operating Procedures (SOP) for boiler house?	
30	Last Date of Replacement of Fusible Plug.	
31	Are printed boiler operating instructions / sign boards displayed in boiler house?	
32	Any arrangement to recover flash steam in factory?.Pl. mention.	



33	No. of boiler attendants ( 1 <sup>st</sup> class , 2 <sup>nd</sup> class) & BOE working in boiler house.	
34	Details of training provided to Boiler House Personnel in last 2 years.	
35	Does your company have emergency preparedness action plan for boiler house?	
36	Provide number of planned mock drills carried out in year 2023-24.	
37	What is boiler feed water temperature in °C?	
38	What is boiler stack temperature in °C?	
39	Do you have Zero Liquid Discharge, if yes please give details.	
40	Present Emission of SO <sub>x</sub> , NO <sub>x</sub> & SPM	
41	Safety initiative adopted, including process safety consisting of – i. Boiler safety systems. ii. Operator training and competency iii. Safety Culture and Management Systems. (Including Contract Labour safety) iv. Details of trip logic / protection trials record.	
42	Write about Preventive maintenance program.	
43	Innovative Energy saving measures adopted. i. Waste Heat Recovery System. ii. Condensate Recovery and Reuse. iii. Boiler Blowdown Heat Recovery.	
44	Do you carry out periodic cleaning of smoke tubes? Do you carry out chemical descaling of your boiler? If yes, describe the process and chemicals used.	

**DECLARATION:**

Declared that the information furnished above is correct and authorized by our Company for nomination to “**BEST BOILER USER AWARD 2024**” competition organized by the “**Directorate of Steam Boilers**”, **Maharashtra State, Mumbai** and we shall abide by the rules & regulations of the competition, and we accept that the decision taken by the jury shall be final and binding on us.

**Name of Company Authorized Person:**

**Designation:**

**Office No. (O):**

**Signature:**

**Company Seal:**