



BOILER INDIA- 2022

RULES & REGULATIONS FOR THE COMPETITION OF BEST BOILER USER AWARD 2022

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)
 - III. Sugar Factories
 - IV. Pharma / Chemical / Dairy / Hotels / Food
 - V. Textile Houses / Process Houses / Edible Oil / Paper / Ordnance / Distilleries
 - 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, 7th 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.



3.SUGAR

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

4. Last date for submission of Forms is 15.12.2021.

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 2022 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 3rd March, 2022 during the Boiler India 2022 concluding ceremony.



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

CATEGORY	CONTACT PERSON & CONTACT NUMBER
1. POWER PLANT	SHRI. PRAMOD KATE: 9881820271
2. CAPTIVE CO-GENERATION(STEEL, CEMENT, CHEMICAL & PETROLEUM)	SHRI. VIVEK GHATE: 9867561947
3. SUGAR	SHRI. B. D. PATIL: 9822032945 SHRI. PRAMOD KATE: 9881820271
4. PHARMA/CHEMICAL/DAIRY/HOTELS & FOOD	SHRI. D. R. PARKALE: 9881611707 SHRI VIRAF KARANJAWALA: 9820038014
5. TEXTILE HOUSES/PROCESS HOUSES/EDIBLE OIL/PAPER/ORDNANCE/ DISTILLERIES.	SHRI. LOKESH PANDIT: 9422801902 SHRI. ABHAY PHADKE; 9422249499
6. SIZING/RICE MILLS/OTHER SMALL INDUSTRIES/S.I.B	SHRI. LOKESH PANDIT: 9422801902

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- 2022 PARTICIPANT FORM
APPLICATION FOR BEST BOILER USER AWARD 2022
(APPLICABLE CATEGORY: SUGAR)

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

<u>A Company Details:</u>		
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 BOILERS:

Sr. No.	Boiler registration Nos.	Fuel	Heating Surface in M ²	Boiler Capacity TPH	Steam Pressure / Temperature		Process Steam Pressure / Temperature		MW Capacity (If Cogeneration)
					Kg/cm ²	°C	Kg/cm ²	°C	



C] GENERAL INFORMATION				
SR. NO.	DETAILS	TO BE FILLED BY PARTICIPANT		
1	Do you have BOILER INSPECTION KIT 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.			
2	Which Pollution control equipment is used in boiler house? (ESP / Bag filters/ Cyclone Separator / MDC / Wet Scrubber / Not Applicable)			
3	Present Emission levels of SO _x , NO _x , and Suspended Particulate Matter.	Boiler No:		
		SO _x ?		
		NO _x		
		SPM		
4	No of trees planted in the plant premises in the year 2020-21			
5	Which major awards / recognition your company has received in respect to Energy, Environment & Safety in the last 5 years.			
6	Accident at Boiler/ Boiler House if any in last two years.			



7	ISO standard adopted (9001/14001/45001/15001)	
8	How many boiler attendants (1 st class, 2 nd class) & BOE are working in boiler house?	
9	Type of Water Treatment Plant. (Softener / DM Plant / RO Plant)	
10	Do you maintain logbook and whether endorsed / checked by maintenance / operation in-charge?	Yes / No
11	Are you doing boiler flue gas analysis from recognised agency?	Yes / No
12	What is level of Co, CO ₂ & O ₂ in your boiler flue gases w .r. t. to fuel in %?	%
13	Do you have condensate recovery system?	Yes / No
14	If yes, what is condensate recovery in % ?	
15	Do you conduct walk through audit to identify steam leakages / losses? If yes, number of steam/condensate leakages identified and attended during year 2020-21.	
16	Number of breakdown of boilers observed during year 2020-21?	



17	Do you have Fuel analysis apparatus? If yes, please mention list.	
18	Please mention Personal Protective Equipment provided for personnel in boiler house.	
19	Do you have a working Bagasse Dryer? If yes, mention efficiency.	
20	Average load on Boiler in Tons per day.	
21	Provide Steam to fuel ratio.	
22	Provide surface temperature of thermal insulation of Boiler in °C	
23	Are the safety valve exhaust pipes and air vents taken outside the boiler house?	
24	Are the drain lines of gauge glass, headers and boiler blow down safely connected to blowdown pit / tank?	
25	Do you maintain Standard Operating Procedures (SOP) for boiler house?	
26	Are printed boiler operating instructions / sign boards displayed in boiler house?	
27	Any arrangement to recover flash steam in factory?.PI. mention.	



28	Does your company have emergency preparedness action plan for boiler house?	
29	Provide number of planned mock drills carried out in year 2020-21.	
30	What is boiler feed water temperature in °C ?	
31	What is boiler stack temperature in °C ?	

<u>D] PERFORMANCE PARAMETERS</u>		
SR. NO.	DETAILS	TO BE FILLED BY PARTICIPANT
1	Maximum Days of continuous running of Boiler without forced breakdown.	
2	Give details of Boiler Water Analysis.	
3	Boiler gross & net efficiency (%)	
4	Co-Gen Efficiency(%)	
5	Ratio of Bagasse produced to Bagasse Used in Boiler	
6	Power Exported per ton of Cane Crushed.	



7	Auxiliary Power Consumption of plant.	
8	Electrical power generated (kWh/TC)	
9	Electrical power Consumed at Plant (kWh/TC)	
10	Specific Steam Consumption per Ton Crushed.	
11	Online Sugar test of condensate is available or Not.	
12	Specific Raw water consumption (Litre/kWh)	
13	Specific Treated water consumption (Litre/kWh)	



E] PERFORMANCE ENHANCEMENT MEASURES:		
SR. NO.	DETAILS	TO BE FILLED BY PARTICIPANT
1	Safety initiative adopted including process safety.	
2	Best maintenance and operation practices implemented.	
3	Innovative Energy saving measures adopted.	
4	Innovative Performance Improvement Project	
5	Eco Friendly Environment Measures such as ash disposal, waste water disposal etc...	



WEIGHTAGE FOR THE DIFFERENT SECTIONS ARE AS FOLLOWS

SECTION C] GENERAL INFORMATION	----	49%
SECTION D] KEY RESULT AREA, PERFORMANCE PARAMETERS	----	30%
SECTION E] PERFORMANCE ENHANCEMENT INITIATIVE	----	21%

DECLARATION:

Declared that the information furnished above is correct and authorized by our Company for nomination to “**BEST BOILER USER AWARD 2022**” 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: