**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:
   1. Power Plant
   2. Captive / Co-generation (Steel / Cement / Chemical / Petrochem)
   3. Sugar Factories
   4. Pharma / Chemical / Dairy / Hotels / Food
   5. Textile Houses / Process Houses / Edible Oil / Paper / Ordnance / Distilleries
   6. 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. Fill the form and upload the relevant documents and submit it by email to boiler2022competition@gmail.com.

**P.N: Mandatory Font: Arial Size: 11**.

1. **Also it is mandatory to submit hard copy of your entry form**. Submit the Hard Copy along with slogan, poster, suggestion & essay to:

***The Director, Directorate of Steam Boilers, 7th Floor, Kamgar Bhavan, Plot C-20,***

***Block E, Bandra Kurla Complex, Bandra East, Mumbai – 51***.

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

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| **3. SUGAR INDUSTRY**  ***The Director, Directorate of Steam Boilers,***  ***7th Floor, Kamgar Bhavan, Plot C-20,***  ***Block E, Bandra Kurla Complex,***  ***Bandra East, Mumbai – 51***. |

1. **Last date for submission of Forms is 30.11.2021.**
2. 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.
3. 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.
4. 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.
5. There will be three prizes in each category. Prizes will be distributed on 3rd March, 2022 during the Boiler India 2022 concluding ceremony.
6. In case of difficulties in filling forms, please contact:
   1. Power Plant…………..Shri. Pramod Kate [9881820271]
   2. Captive / Co-generation (Steel / Cement / Chemical / Petrochem)

Shri. Vivek Ghate [9867561947]

* 1. Sugar Factories………Shri. Pawan More [9819636329]
  2. Pharma / Chemical / Dairy / Hotels / Food ….Shri. D. R. Parkale [9881611707]
  3. Textile Houses / Process Houses / Edible Oil / Paper / Ordnance / Distilleries

Shri. Abhay Phadke [9422249499]

* 1. Sizing / Rice Mills / Other Small Industries including SIB type of Boilers.

Shri. Lokesh Pandit [9422801902]

1. The decisions taken by the Jury will be abiding and final.
2. 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.***

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| **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 BOILERS:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sr. No.** | **Boiler registration Nos.** | **Fuel** | **Heating Surface in M2** | **Boiler Capacity**  **TPH** | **Steam Pressure / Temperature** | | **Process Steam Pressure / Temperature** | | **MW Capacity**  **(If Cogeneration)** |
| **Kg/cm2** | **OC** | **Kg/cm2** | **OC** |
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| **C] GENERAL INFORMATION** | | | | | |
| **SR. NO.** | **DETAILS** | **TO BE FILLED BY PARTICIPANT** | | | |
| 1 | Which Pollution control equipment is used in boiler house? | ESP / Bag filters/ Cyclone Separator / MDC / Wet Scrubber / Not Applicable | | | |
| 2 | Present Emission levels of SOx, NOx, and Suspended Particulate Matter. | Boiler No: |  |  |  |
| SOX? |  |  |  |
| NOX |  |  |  |
| SPM |  |  |  |
| 3 | No of trees planted in the plant premises in the year 2020-21 |  | | | |
| 4 | Which major awards / recognition your company has received in respect to Energy, Environment & Safety till March 2021 |  | | | |
| 5 | Accident at Boiler/ Boiler House if any in last two years. |  | | | |
| 6 | ISO standard adopted  (9001/14001/18001/45001/15001) |  | | | |
| 7 | How many boiler attendants (1st class, 2nd class & BOE ) are working in boiler house? |  | | | |
| 8 | Type of Water Treatment Plant. | Softener / DM Plant / RO Plant | | | |
| 9 | Do you maintain logbook and whether endorsed / checked by maintenance / operation in-charge? | Yes / No | | | |
| 10 | Are you doing boiler flue gas analysis from recognised agency? | Yes / No | | | |
| 11 | What is level of CO2, O2 in your boiler flue gases w .r. t. to fuel in %? | % | | | |
| 12 | Do you have condensate recovery system? | Yes / No | | | |
| 13 | If yes, what is condensate recovery in % ? |  | | | |
| 14 | 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. |  | | | |
| 15 | Number of breakdown of boilers observed during year  2020-21? |  | | | |
| 16 | Do you have Fuel analysis apparatus? If yes, please mention list. |  | | | |
| 17 | Please mention Personal Protective Equipment provided for personnel in boiler house. |  | | | |
| 18 | Fuel consumption Tons/Day. |  | | | |
| 19 | Average load on Boiler in Tons per day. |  | | | |
| 20 | Provide Steam to fuel ratio. |  | | | |
| 21 | Provide surface temperature of thermal insulation of Boiler in OC |  | | | |
| 22 | Are the safety valve exhaust pipes and air vents taken outside the boiler house? |  | | | |
| 23 | Are the drain lines of gauge glass, headers and boiler blow down safely connected to blowdown pit / tank? |  | | | |
| 24 | Do you maintain Standard Operating Procedures (SOP) for boiler house? |  | | | |
| 25 | Are printed boiler operating instructions / sign boards displayed in boiler house? |  | | | |
| 26 | Any arrangement to recover flash steam in factory?.Pl. mention. |  | | | |
| 27 | Does your company have emergency preparedness action plan for boiler house? |  | | | |
| 28 | Provide number of planned mock drills carried out in year 2020-21. |  | | | |
| 29 | What is boiler feed water temperature in oC ? |  | | | |
| 30 | What is boiler stack temperature in oC ? |  | | | |

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| **D] PERFORMANCE PARAMETERS** | | |
| **SR. NO.** | **DETAILS** | **TO BE FILLED BY PARTICIPANT** |
| 1 | Maximum Days of continuous running of Boiler without forced breakdown. |  |
| 2 | Steam to Bagasse ratio |  |
| 3 | Boiler 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 | Steam flow to process (TPH) |  |
| 11 | Average O2 Percentage in flue gas (%). |  |
| 12 | Online Sugar test of condensate is available or Not. |  |
| 13 | Specific Raw water consumption Litre/KWH |  |
| 14 | Specific Treated water consumption Litre/KWH |  |

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| **E] PERFORMANCE ENHANCEMENT MEASURES:** | | |
| **SR. NO.** | **DETAILS** | **TO BE FILLED BY PARTICIPANT** |
| 1 | Safety initiative adopted. |  |
| 2 | Best maintenance and operation practices implemented. |  |
| 3 | Innovative Energy saving measures adopted. |  |

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| **F] SLOGAN, POSTERS, SUGGESTION AND ESSAY WRITING :** | | |
| **SR. NO.** | **DETAILS** | **TO BE FILLED BY PARTICIPANT** |
| 1 | Slogan: Only one slogan related to safety in boiler / boiler house | To be written here ( selected slogan by the company with name & designation of slogan writer) |
| 2 | Posters: Only one poster related to safety in boiler / boiler house | Attach poster ( selected poster by the company with name & designation of poster creator) |
| 3 | Suggestions / Ideas: Related to safety in boiler / boiler house. | To be written here ( selected suggestion / idea by the company with name & designation of participant) |
| 4 | Essay topic: ***“Why should we win BEST BOILER USER AWARD 2022”***. | To be attached mentioning name and designation of essay writer. |

1. **SLOGAN, POSTERS, SUGGESTION AND ESSAY:**
2. COMPETITION OF ALL ABOVE SR. NO. 1 TO 4 IS TO BE CONDUCTED IN YOUR COMPANY. PLEASE SEND ONLY SELECTED SLOGAN, POSTER, SUGGESTIONS AND ESSAY.
3. MARATHI, HINDI AND ENGLISH LANGUAGES TO BE USED FOR SLOGAN, SUGGESTION, ESSAY WRITING & POSTER.
4. SLOGAN SHOULD BE ONLY ONE OR TWO LINES.
5. SUGGESTION SHOULD BE TWO TO THREE LINES.
6. POSTER SHEET OF A3 SIZE TO BE USED AND SEND ALONG WITH APPLICATION FORM.
7. ESSAY SHOULD BE OF MAXIMUM 1500 WORDS AND ON A4 SIZE PAPER AND SEND ALONG WITH APPLICATION FORM.
8. **WEIGHTAGE FOR THE DIFFERENT SECTIONS ARE AS FOLLOWS**

SECTION C] GENERAL INFORMATION ---- **45%**

SECTION D] KEY RESULT AREA, PERFORMANCE PARAMETERS ---- **32%**

SECTION E] PERFORMANCE ENHANCEMENT INITIATIVE ---- **9%**

SECTION F] SLOGAN, POSTERS, SUGGESTION AND ESSAY WRITING ---- **14%**

**DECLARATION:**

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

**Designation:**

**Office No. (O):**

**Signature:**

**Company Seal:**