



## JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004

Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref No. JSPCB/HO/RNC/CTO-4426528/2019/2376

Dated : 2019-11-28

### Consent to operate (CTO) under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

1. Application (s) dated 2019-01-04 of BIHAR FOUNDRY & CASTINGS LTD., Occupier Name :HARI KRISHNA BUDHIA for consent under section 25 (1)(b)/25 (1) (c)/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(1) of the Air (Prevention & Control of Pollution) Act,1981..

#### 2. Documents Relied Upon:

- (a) The content of Environmental Clearance (EC), vide Ref. No. J-11011/310/2009-I (A)- II (M), dated 30.01.2010.
- (b) The content of Consent-to-Establish (CTE), vide Ref. No. 632 (C) dated 18.02.2010, JSPCB, Ranch.
- (c) The content of Consent-to-Operate (CTO), vide Ref. No. JSPCB/HO/RNC/CTO-571493/2016/686 dated 26.09.2016, JSPCB, Ranchi.
- (d) The content of Inspection Report (IR), vide Ref. No. 682 dated 05.03.2016 of RO Cum Laboratory, JSPCB, Hazaribagh.
- (e) The content of uploaded letter ref. No. 2019-20/60 dated 17.05.2019.

3. The consent is granted under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 to operate the project in Mauza -MARAR , P S -RAMGARH , District -RAMGARH , as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos.	Area			Date of issue To
Before Expansion	1364 (P) (As per application form)	19 Ha (As per application form)	400 Lacs (As per application form)	M S Billet-48,000 MT/Annum (as per previous CTO)	31/12/2024

#### (A) Specific Conditions:

1. That, the occupier shall operate Pollution Control Device- Fume Extraction System (FES) regularly and

report to the Board immediately if there is any breakdown in it and submit Stack Monitoring Report and Ambient Air Quality Monitoring.

2. That, the occupier shall keep the waste water generated from Water softener and cooling water for furnace into re circulation and reuse after treatment within the campus.

3. That, the occupier shall inform to Regional Office-Cum- Lab, Hazaribagh and Head Office, JSPC Board,at Ranchi within 24 hrs from the time of closure or opening of the plant.

4. That, the occupier shall purchase raw material only from valid source and shall maintain record of it and shall show the record to the Inspecting Officer during inspection.

5. That, the occupier shall submit point wise compliance report of condition of this Consent to operate 120 days prior to the date of expiry of this consent yearly on successive year.

6. That, the occupier shall dispose hazardous waste as per the provision of Hazardous Waste Management Rules, 2016.

7. That, the occupier shall keep the waste water in closed circuit.

8. That, the occupier shall utilize solid waste entirely.

9. That, the occupier shall submit capacity assessment letter issued by concerned authority within six months/application made for CTO for the further period.

10. That, the occupier shall not operate the slag crusher unit without obtaining EC, CTE and CTO from the Board.

11. That, this CTO supersede the CTO granted earlier vide ref. no. 686, dated 26.09.2016.

12. That, the occupier shall revalidate the EC from competent authority and thereafter obtain CTE accordingly from the Board.

13. That, the occupier shall submit applications for renewal of consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 120 days prior to the date of expiry of this consent with requisite fee and documents showing compliance of all of the above conditions.

**(B) General Conditions :**

(1) That, the occupier shall maintain the **National Ambient Air Quality Standard** given below:

S N	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (notified by Central Govt.)
(1)	(2)	(3)	(4)	(5)
1.	Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM <sub>10</sub> , µg/m <sup>3</sup>	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM <sub>2.5</sub> , µg/m <sup>3</sup>	Annual 24 hours	40 60	40 60
5.	Ozone(O <sub>3</sub> ), µg/m <sup>3</sup>	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) µg/m <sup>3</sup>	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m <sup>3</sup>	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH <sub>3</sub> ) µg/m <sup>3</sup>	Annual 24 hours	100 400	100 400
9.	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Annual	05	05
10.	Benzo(a) Pyrene(BaP) Particulate Phase only ng/m <sup>3</sup>	Annual	01	01
11.	Arsenic (As) ng/m <sup>3</sup>	Annual	06	06
12.	Nickel (Ni) ng/m <sup>3</sup>	Annual	20	20

**Note : Serial no. 1 to 4 – Mandatory  
Serial no. 5 to 12 As applicable for specific type of industry.**

- (2) That, the occupier shall maintain the emission quality within the standard and the quantity, as follows:

S N	Parameter	Standard
1	Particulate Matter	150 mg/Nm <sup>3</sup>

- (3) That, the occupier shall keep process effluent in close-circuit and the quality of effluent from other sources in conformity with the standard (s) and the discharge quantity as below:

S N	Parameter	Standard
1	Total Suspended Solids	100 mg/L
2	BOD	30 mg/L
3	COD	250 mg/L
4	Oil & Grease	10 mg/L

- (4) That, the occupier shall dispose of solid wastes as follows:

S N	Waste Type	Mode of Disposal
1	Hazardous Carbonaceous Wastes	In co-processing in high temperature furnaces or kilns
2	Hazardous Non-Carbonaceous Wastes	In TSDF
3	Non-Carbonaceous Non-Hazardous solid wastes/ Mine Over Burden	As a substitute of Soil or Mineral

- (5) That, the occupier shall keep D G Set(s) within acoustic enclosure and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm.
- (6) That, the occupier shall install and maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge and submit the photographic view of the structures within a month.
- (7) That, the occupier shall grow and maintain greenery of the project in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.
- (8) That, the occupier shall submit environmental statement with supporting stoichiometric calculations analyses reports, every year latest by 30th September of the next financial year.
- (9) That, the occupier shall submit report(s) duly monitored and issued by an NABL accredited / ISO 9001:2008 and OHSAS 18001:2007 certified laboratory in compliance sub-para (2), (3), (4) and (5) of paragraph 3 of this CTO yearly at required periodicity.

- (10) That, this CTO is valid subjected to the validity of mining Lease/Mining Plan/Ecofriendly/Environmental Clearance, if applicable. In case of no renewal of Mining Lease/Mining Plan, this consent shall be treated as revoked automatically.
- (11) That, this CTO is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ occupier.
- (12) That, this CTO shall not in any way, adversely affect or jeopardize the legal proceeding , if any, instituted in the past or that could be , instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.
- (13) That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Water (Prevention & Control of Pollution) Cess Act, 1977; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules made there under.
4. **That, this CTO shall not absolve the occupier from making compliance of other statutory prescribed under any law or direction of courts or any other instrument for the time being in force.**
5. **That, this CTO is being issued on the basis of information/ documents/ certificate submitted by the unit. This CTO will be revoked if any of the information/documents/certificates/undertaking given by the occupier is found false/fictitious/forged in future.**
6. **The Order shall be valid subject to compliance of all other legal requirements applicable to the unit.**
7. **The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alteration in conditions of this consent.**

**This is issued with the approval of the Competent authority**

**[Ram Pravesh Kumar]**  
Section Head, Hazaribagh

Memo No. : JSPCB/HO/RNC/CTO-  
4426528/2019/2376

Dated : 2019-11-28

**Copy to:** M/s BIHAR FOUNDRY & CASTINGS LTD., AT & PO- MARAR, RAMGARH INDUSTRIAL AREA, Ramgarh/ Chief Inspector of Factories, Ranchi/ Director of Mines, Government of Jharkhand, Ranchi/ Deputy Commissioner, Ramgarh/ DFO, Ramgarh/ DMO, Ramgarh/ Regional Officer, RO, JSPCB, Hazaribagh for information & ensuring compliance of the above.

**[Ram Pravesh Kumar]**  
Section Head, Hazaribagh