



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-17227158/2023/2163

Dated : 2023-12-31

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

- Application (s) dated 2023-11-10 of RADHA CASTING & METALIK (P) LTD., Occupier Name :DHANANJAY KUMAR 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..
- Documents Relied Upon:**
 - The content of Environmental Clearance (EC), vide ref. no. F. No. J-11011/507/2009-IA II (I), date 23.12.2009.
 - The consent of consent to establish (CTE),Ref No. N-93, Ranchi, dated 30.11.2010, JSPCB, Ranchi.
 - The content of Consent to Operate (CTO) vide ref. No. JSPCB/HO/RNC/CTO-14688498/2023/231, dated 04.02.2023 granted for, the production of M.S Ingot/ Billets - 1190 TPM (i.e. 14280 TPA) and Pig Iron - 15000 TPA valid for the period upto 31.12.2023.
 - The content of Inspection Report (I/R) vide Ref No. 1580 dated 04.12.2023 of Regional Office-Cum-Laboratory, JSPC Board, Hazaribagh.
 - The content of self certificate/undertaking regarding procurement of raw material from the valid source.
- 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 -PAIKI , P S -MANDU , District -RAMGARH , as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos.	Area			Date of issue To
Before Expansion	256, Khata no. - 01	8.09 Ha	1765.57 Lacs (as per CA)	M.S Ingot/ Billets - 1190 TPM (i.e. 14280 TPA) and Pig Iron - 15000 TPA (as per previous CTO)	31/12/2024

(A) Specific Conditions:

1. That, the occupier shall ensure the cleaning and wetting of the ground regularly to improve good house keeping.
2. That, the occupier shall utilize/sale out the slag generated from Blast Furnace in cement manufacturing plant only.
3. That, the occupier shall maintain zero liquid discharge.
4. That, the occupier shall operate and maintain the bag filter and cyclone separator installed in the unit.
5. That, the occupier shall maintain the height of the stack as per prescribed limit.
6. That, the occupier shall obtain raw material from valid sources only and the occupier will be responsible for the same.
7. That, the occupier shall install and operate fixed type water sprinklers at all dusty places inside the plant.
8. That, the proponent shall implement the recommendations made in Corporate Responsibility for Environment Protection (CREP) for steel plants.
9. 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.
10. 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.
11. That, the occupier shall keep the waste water generated from Water softener and cooling water for furnace into recirculation and reuse after treatment within the campus.
12. That, the occupier shall obtain authorization under HoWM Rules' 2016 and dispose the same as per provisions made there under.
13. That, the occupier shall operate and maintain the PM 10 analyzer having CPCB approved technology and USEPA certification and ensure data transmission to JSPCB and CPCB server.
14. That, the occupier shall comply all the conditions of EC and CTO conditions and submit its report to the Board on six monthly basis.
15. 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 ₂), µg/m ³	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO ₂), µg/m ³	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM ₁₀ , µg/m ³	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM _{2.5} , µg/m ³	Annual 24 hours	40 60	40 60
5.	Ozone(O ₃), µg/m ³	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) µg/m ³	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m ³	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH ₃) µg/m ³	Annual 24 hours	100 400	100 400
9.	Benzene (C ₆ H ₆) µg/m ³	Annual	05	05
10.	Benzo(a) Pyrene(BaP) Particulate Phase only ng/m ³	Annual	01	01
11.	Arsenic (As) ng/m ³	Annual	06	06
12.	Nickel (Ni) ng/m ³	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 ³

- (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

[Y. K. Das]

Member Secretary

Memo No. : JSPCB/HO/RNC/CTO-
17227158/2023/2163

Dated : 2023-12-31

Copy to: M/s Radha Casting & Metalik (P) Ltd, Address: AT.- Paiki, P.O- Marar, Distt.- Ramgarh - 29117 Jharkhand)/ Chief Inspector of Factories, Ranchi/ Director of Industry, Government of Jharkhand, Ranchi/ Deputy Commissioner, Ramgarh/ DFO, Ramgarh/DMO, Ramgarh/ R O,JSPCB, Hazaribagh for information & ensuring compliance of the above.

[Y. K. Das]

Member Secretary