



JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004

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Ref No. JSPCB/HO/RNC/CTO-7250274/2020/694

Dated : 2020-03-21

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 2020-03-13 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..
2. **Documents Relied Upon:**
 - (a) The content of Environmental Clearance (EC), vide ref. no. F. No. J-11011/507/2009-IA II (I), dated 23.12.2009.
 - (b) The consent of consent to establish (CTE), Ref No. N-93, Ranchi, dated 30.11.2010, JSPCB, Ranchi.
 - (c) The content of Consent to Operate (CTO) vide ref. No. JSPCB/HO/RNC/CTO-5276534/2019/1757 dated 31.08.2019 JSPCB, Ranchi.
 - (d) The content of Inspection Report (I/R) vide Ref No. 72 dated 08.01.2020 of Regional Office-Cum-Laboratory, JSPC Board, Hazaribagh.
 - (e) The content of self certificate/undertaking regarding procurement of raw material from the valid source.
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 -SEWANTA , 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 (as per CTE)	8.09 Ha (as per application)	Rs.- 9,70,07,866 /- (revised)	M.S Ingot/ Billets - 1190 TPM (i.e. 14280 TPA) [as per MSME certificate and copy of application]	31/12/2021

(A) Specific Conditions:

1. That, the occupier shall upgrade, operate and maintain pollution control devices such as bag filter, etc.
2. 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.
3. That, the occupier shall operate and maintain fixed type water sprinklers at all dusty places inside the plant.
4. That the occupier shall not operate 2nd induction furnace and one no. CCM installs till obtaining CTE/CTO from the Board.
5. That, the occupier shall do regular cleaning and wetting of the ground and maintain proper housekeeping within the premises.
6. 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;
7. That, the occupier shall not exceed the production capacity as mentioned in this CTO.
8. 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.
9. 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.
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 dispose hazardous waste as per the provision of Hazardous and Other Waste Rules, 2016.
12. 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.
13. That, the occupier shall install PM 10 Analyzer within one month from the date of issue of this CTO failing which CTO shall be revoked.
14. That, the occupier shall if be found violating the Consent to Operate at any point of time during inspection of the plant by the competent authority, the Consent to Operate shall be revoked as per provision of the acts.
15. That, the occupier shall comply all the conditions of EC and CTO and submit its compliance report on

periodical basis.

16. 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

[Ram Pravesh Kumar]
Section Head, Hazaribagh

Memo No. : JSPCB/HO/RNC/CTO-
7250274/2020/694

Dated : 2020-03-21

Copy to: M/s RADHA CASTING & METALIK (P) LTD., AT.- PAIKI, P.O- MARAR, DIST.- Ramgarh- 829117 (JHARKHAND)/ Chief Inspector of Factories, Ranchi/ Director of Industry, Government of Jharkhand, Ranchi/ Deputy Commissioner, Ramgarh/ DFO, Ramgarh/ R O, JSPCB,Hazaribagh for information & ensuring compliance of the above.

[Ram Pravesh Kumar]
Section Head, Hazaribagh