



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-18962708/2024/1047

Dated : 2024-06-25

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 2024-04-02 of Shah Sponge & Power Ltd., Occupier Name :SATYA NAND JHA 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 issued vide F. No. 11013/14/2019-IA-II(M) dated 26.04.2019 for Sponge Iron (60,000 TPA), Pig Iron Plant (36,000 TPA and Captive Power Plant (8 MW) at Village Bhumri (Juri), P. O. Hata, District East Singhbhum, Jharkhand by M/s Shah Sponge and Power Pvt. Ltd.- reg environmental clearance

(b) The Content of Consent to Establish (CTE) issued vide Ref. No.3967 dated 01.11.2007 for Sponge Iron - 200 TPD, Pig Iron - 120 TPD AND vide Ref. No. G-3147 dated 23.12.2011 for Captive Power Plant- 08 MW;at- Plot No. 1442, 1443, 1445, 1446, At- Juri, PO Hata, Dist- East Singhbhum Area 33 Acre;

(c) The Content of Consent to Operate (CTO) vide Ref No. JSPCB/HO/RNC/CTO-5551325/2019/1919 Dated : 2019-09-24 at- Plot No. 1442, 1443, 1445, 1446, At- Juri, PO Hata, Dist- East Singhbhum Area 33 Acre Investment 7494 lakh for Sponge Iron 2x100 TPD, Pig Iron - 120 TPD & Captive Power Plant - 08 MW valid till 30.06.2024 with compliance report and photographs;

(d) The Content of Unit has submitted details of Khata No., Plot Nos. and area of as annexed of EXISTING UNIT;

(e) The content of Inspection Report (I/R) vide Ref. 475 dated 02.05.2024 of Regional Office-Cum-Laboratory, JSPCB Board, Jamshedpur;

(f) The Content of Affidavit entered in the Notary dated 16.05.2024 declaring that "3. As per JSPCB office order (no-1-101/2002-B-82 dated -19.10.2023) for re-consideration of Environmental Compensation we hereby undertake to deposit the amount as may be decided by the Court and within the time frame per directions of the Hon'ble High Court."

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 -Juri/ Barasai , P S -Juri , District -EAST SINGHBUM , as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos.	Area			
					Date of issue To

Before Expansion	Plot No. 1442, 1443, 1445, 1446, At- Juri, PO-Hata, East Singbhum	33 Acres	7494 Lakhs	Sponge Iron-2x100 TPD & Captive Power Plant - 08 MW (i.e. un-expanded part only)	30/06/2029
------------------	-------------------------------------------------------------------	----------	------------	----------------------------------------------------------------------------------	------------

(A) Specific Conditions:

1. That, the occupier shall make the approach road and roads within premises of the plant and work areas asphalted or concreted
2. That, the occupier shall construct the shed for keeping Iron Ore properly and ensure Crushing and screening operation in shaded enclosed area.
3. That, the occupier shall make water sprinkling arrangement in areas around crushing and screening units, raw material heaps at unloading points, heavy vehicle movement areas, roads and waste dump sites etc.
4. That, the occupier shall have its conveyor belt for transporting the materials fully covered all along its way and transfer points and suction system should be connected to de-dusting equipment.
5. That, the occupier shall ensure the cleaning and wetting of ground regularly to improve house keeping.
6. That, the occupier shall comply with conditions of authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
7. That, the occupier shall submit Noise monitoring report to the Board.
8. That, the occupier shall submit photographs of Tree Plantation, Rain water harvesting, Boundary wall and Water sprinkling system.
9. That, the occupier shall make Work area and transport roads concrete/ black top.
10. That, the occupier shall purchase raw material only from valid source.
11. That, the occupier shall operate and maintain Air Pollution Control Device (APCD) regularly and submit the photographs;
12. That, the occupier shall regularly operate Closed Circuit Television (CCTV) camera for monitoring of operational status of APCDs
13. That, the occupier shall submit compliance of conditions of CTO half yearly to the Board.
- 14.
14. That, the occupier shall construct garland drain, toe wall and settling tanks for storage of solid wastes

and raw materials separately and de-siltation of settling tanks shall be done regularly.

15. That, the occupier shall comply the provision of Charter on Corporate responsibility for environment protection immediately after one year of production

16. That, the occupier shall ensure that no Fly ash laden air should go to the nearby village. There must be proper protection to villagers from fly ash laden air like three tier tree plantation, fine mesh net etc.

17. That, the occupier shall submit NOC from Central ground water authority / State Ground Water Authority regarding extraction/ consumption of ground water;

18. That, the occupier shall operate on-line emission monitoring system and ensure uninterrupted and regular transmission of data to JSPCB server;

19. That the occupier shall operate PM10 analyzer with online connectivity and ensure uninterrupted and regular transmission of data to JSPCB server;

20. That, the occupier shall dispose fly ash as per Fly ash notification;

21. That, the occupier shall operate Effluent Treatment Plant (ETP);

22. That, the occupier shall raise the height of all stacks attached with air pollution control devices (APCD) up to 30 metre

23. That, the occupier shall comply fugitive emission standards of 2000 g/m³ at a distance of 10 metre from raw material crusher and product handling areas etc.

24. That, the occupier shall provide separate electricity meter with all APCD.

25. That, the safety cap/emergency stack of rotary kiln type plant, which is generally installed above the after burner chamber (ABC) of feed end column should not be used for discharging untreated emission, bypassing the air pollution control device;

26. That, the occupier shall provide software controlled interlocking facility keeping in view of on-line emission and effluent monitoring system to ensure stoppage of feed conveyor, so that the feed to the kiln would stop automatically, if emergency/safety cap of the rotary kiln is opened or ESP is non - operational.

27. That, the Occupier shall install Mechanical Operated system for timely collection and removal of the flue dust generated in air pollution control device.

28. That, the Occupier shall maintain logbook for daily record of Char production and usage.

29. That, the occupier shall submit applications for renewal of consent under section 25 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 i.e. 30.06.2029 with documents showing compliance of all of the above condition;

30. This Consent to Operate (CTO) supersede previous CTO granted vide Ref No. JSPCB/HO/RNC/CTO-

5551325/2019/1919 Dated : 2019-09-24 and stands revised up to this extent.

31. That the occupier shall abide by the declaration submitted to Board dated 21.06.2024 to integrate software controlled interlocking facility within 6 months time period keeping in view of on-line emission and effluent monitoring system to ensure stoppage of feed conveyor, so that the feed to the kiln would stop automatically, if emergency/safety cap of the rotary kiln is opened or ESP is non - operational" and shall submit action taken report to Board in this regard after six months. Failure in compliance of the same shall be considered as violation.

32. That, the occupier shall not operate the expanded part without obtaining EC, CTE and CTO from competent authority.

(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	100 g/ m 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/Fcofriendly/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

Sanjay Kumar
Srivastava
(Sanjay Kumar Srivastava)

Digitally signed by
Sanjay Kumar Srivastava
Date: 2024.06.25
13:00:14 +05:30

OSD

Memo No. : JSPCB/HO/RNC/CTO-
18962708/2024/1047

Dated : 2024-06-25

Copy to: M/s Shah Sponge & Power Ltd., Village- Juri, Near Hata, Potka, East Singhbhum/ Director of Industry, Government of Jharkhand, Ranchi/ Deputy Commissioner, East Singhbhum/ Director of Mines, Govt of Jharkhand, Ranchi/ Chief Inspector of Factories, Ranchi/ DFO, East Singhbhum/ DMO, East Singhbhum / R.O., JSPCB, Jamshedpur for information & ensuring compliance of the act.

Sanjay
Srivastava
(Sanjay Kumar Srivastava)

Digitally signed by
Sanjay Kumar
Srivastava
Date: 2024.06.25
13:00:14 +05:30

OSD