



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/CTE-16724101/2023/550

Dated : 2023-10-05

Consent to Establish (CTE) 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

- Reference: Application (s) No.- 16724101 / dated : 11/07/2023 of SUNDARAM STEELS PVT. LTD., Yogesh Manek for 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
- Documents Relied Upon:**
 - The content of copy of the EC granted by MoEF&CC vide ref. no. IA-J-11011/128/2010-IA-II(IND-I) dated 04.07.2023.
 - The content of copy of the land lease deed for 30 years from 20.08.2009.
 - The content of self-declaration for procurement of raw materials for valid source.
 - The content of Consent-to-Establish (CTE), vide Ref. N-11 dated 19.03.2009 for the production capacity of Sponge Iron – 180 TPD.
 - The content of Consent-to-Operate (CTO), vide Ref. No. JSPCB/HO/RNC/CTO-10568235/2021/1258, dated 10.10.2021 for the production capacity of Sponge Iron – 180 TPD for the period up to 30.06.2024.
 - The content of Inspection Report (IR), vide memo no. 1018, dated 12.08.2023.
 - The content of affidavit regarding no additional land requirement for existing and expansion project.
- 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 establish the project in Mauza- Goarabali, P S -Balidih, District-BOKARO as follows:

Project	Site-Area		Investment (Rs)/ Year	Product & Capacity	Period of CTE
	Plot Nos.	Area			

In Expansion	As per EC	25 Acres	22171 Lacs	Sponge Iron - 174000 TPA, M.S. Billets With CCM- 180000 TPA, MS Long Rolled Product- 174000 TPA, Captive Power Plant: WHRB - 12MW, AFBC -12 MW, Slag Crusher- 30000 TPA [after expansion]	As per EC
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(A) Specific Conditions:

1. That, the occupier shall install, operate and maintain all the pollution control devices and ensure calibration of the same at regular frequency.
2. That, the occupier shall install ESP with AFBC boiler.
3. That, the occupier shall install, operate and maintain the ESP attached to DRI plant and WHRB plant.
4. That, the proponent shall abide by the provisions of the Environment (Protection) Act, 1986 and submit the reports of effluent, emission, ambient air quality and noise level monitored of the plant in compliance of the standards prescribed in the Environment (Protection) Rules, 1986.
5. That, the proponent shall collect and treat the effluent in foolproof latest system and shall recycle treated effluent for re-use and shall ensure no discharge of effluent outside the premises.
6. That, the proponent shall make stack(s) of the height and with the provision(s) of emission monitoring port hole(s), ladder(s) and platform(s) as prescribed by Central Pollution Control Board.
7. That, the proponent shall ensure continuous and uninterrupted power supply with provision of separate energy meters for the pollution control systems to enable the pollution control systems to function uninterruptedly.
8. That, the proponent shall make all inside and approach (within the control of the proponent) roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the premises and dust prone areas.
9. That, the proponent shall store all raw materials and products under shed and shall as far as practicable do their processing and transfer under foolproof cover(s).
10. That, the proponent shall use all solid wastes as resource as a raw material.
11. That, the proponent shall make proper arrangement for disposal of all the solid wastes to be generated during production of pencil ingots.

12. That, the proponent shall comply all the conditions of CTO and EC conditions and submit the six monthly report to the Board.
13. 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.
14. That, the occupier shall provide separate electricity meter and totaliser for continuous recording of power consumption with all APCD. A logbook shall be maintained for recording of daily meterage of electricity meter connected to all APCDs. The amperage of the ID fan shall also be recorded continuously. Non functioning of APCD shall be recorded in the same logbook along with reasons for non-operation of the Pollution Control Equipment.
15. 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.
16. That, the occupier shall provide software controlled interlocking facility keeping in view of on-linen 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.
17. That, the occupier shall install mechanically operated fitted with water mixing (spiral pug mill) system for timely collection and removal of the flue dust generated in ESP or at any other pollution control devices for control of fugitive emission at the dust collection system.
18. That, the occupier shall keep the Iron Ore properly under shed and ensure Crushing and screening operation in shaded enclosed area.
19. That, the occupier shall, use the fly ash generated from AFBC boiler as per notification released by MoEF & CC, New Delhi "Fly Ash Notification" dated 14th September, 1999 and as amended on 25th, January, 2016 till installation of AFBC/CFBC boiler.
20. That, the occupier shall in no case dispose of the solid waste including fly ash and bottom ash on any agricultural land and keep it within the plant premises.
21. That, the occupier shall make arrangement for operation of the plant in such a way that all pollution control devices shall start before start of conveyor belt/plant operation and similarly all pollution control devices shall be put off only after stopping the operation of the plant.
22. That, the occupier shall install and operate the on-line emission monitoring system uninterruptedly.
23. That, the occupier shall maintain zero trade effluent discharge and install a web cam at each outlets of the drain.
24. That, the occupier shall maintain logbook for daily record of Char generation and utilization till installation of AFBC boiler.
25. That, the proponent shall install pollution control devices such as fume extraction system, Wet Scrubber and Venturi Scrubber System for control of SO₂ and dust from the chimney or as required and stack

attached to it of a height of at least 110 ft from the ground level to control the dusts and gaseous emissions.

26. That, this consent to establish is subject to statutory and valid subject to obtaining other clearances from Govt. of Jharkhand or Ministry of Environment & Forest, Govt. of India as and where applicable.

27. That, the proponent shall maintain proper housekeeping within the premises.

28. That, the occupier shall install, operate and maintain the PM 10 analyzer having CPCB approved technology and USEPA certification and shall ensure data transmission of data to JSPCB and CPCB server uninterruptedly.

29. That, the occupier shall comply with all the provisions made for this type of plant by CPCB/MoEF/Other concerning organizations.

30. That, the proponent shall use fly ash and or fly ash bricks in construction of the project till installation of AFBC/CFBC boiler.

31. That, the occupier shall ensure calibration of all APCD as per CPCB norms.

32. That, the occupier shall maintain the height of chimney upto 30 meters attached with all dedusting equipment.

33. That, the occupier shall ensure covering of conveyor belt with MS sheet.

34. That, the occupier shall construct and maintain pucca road inside the premises for the major working area.

35. That, the occupier shall maintain the telescopic chute at loading point.

36. That, the occupier shall comply all the conditions as mentioned in EC, CTE and CTO and submit the report to the Board on six monthly basis alongwith the recent analysis reports successively.

37. That, the occupier shall ensure plantation in an atleast 33 percent of total area.

38. That, the occupier shall obtain necessary approval from CGWA as per requirement of ground water.

39. That, the occupier shall submit compliance of this CTE conditions at the time of application made for CTO.

(B) General Conditions :

(1) That, the occupier shall construct pucca (i) minimum ten feet high boundary wall and (ii) approach road and internal roads and shall keep the premises neat and clean and tidy.

(2) That, the occupier shall install comprehensive enclosure (s) to cover the places of unloading of raw materials, the equipments of their processing & transferring, the places of loading of products, by products and wastes for prevention of fugitive emission and shall install such automatic inbuilt system(s) that in house dust/ gases collect(s) and undergo (es) cleaning and clean air goes out.

- (3) That, the occupier shall install such automatic inbuilt system(s) that process flue gas(es) / process gas(es) and undergo(es) cleaning and clean air go(es) out through the chimney(s), having height(s) as per Central Pollution Control Board norm.
- (4) That, the occupier shall have D G Set(s) of the standard as laid in the Environment (protection) Rules, 1986 and shall install it (them) within acoustic enclosure (s) and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm .
- (5) That, the occupier shall impart treatment as per Central Pollution Control Board text to wastewater and shall keep process effluent in close-circuit and effluent from other sources in conformity with the standard (s).
- (6) That, the occupier shall install Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge.
- (7) That, the occupier shall create new water body (ies) / remove deposit(s) of existing water body(ies) and nearby stream(s) and pond(s) and shall maintain the wholesomeness of water.
- (8) That, the occupier shall grow greenery in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.
- (9) That, this CTE 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.
- (10) That, this CTE 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.
- (11) That, this CTE 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.
- (12) 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 there under.

4. **That, this CTE 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 CTE is being issued on the basis of information/ documents/ certificate submitted by the unit. This CTE will be revoked if any of the information/ documents/ certificates/ undertaking given by the occupier is found false/fictitious/forged in future.**
6. **This order shall be valid subject to compliance of all other legal requirements applicable to the unit.**
7. **The State Board reserves the right to revoke, withdraw or make any reasonable variation / change / alteration in condition of this consent.**

This is issued with the approval of the competent authority

[Y. K. Das]
Member Secretary

Memo No. : JSPCB/HO/RNC/CTE-
16724101/2023/550

Dated : 2023-10-05

Copy to : M/s. Sundram Steels Pvt. Ltd., B-7, Phase III. Bokaro Industrial Area, Balidih, Bokaro Steel City/ Director of Industry, Government of Jharkhand, Ranchi / Director of Mines, Government of Jharkhand, Ranchi/ Chief Inspector of factories, Ranchi / Deputy Commissioner, Bokaro/ D.F.O. Bokaro/D.M.O.,Bokaro/Regional Officer, R.O., JSPCB, Dhanbad for information & ensuring compliance of the above conditions.

[Y. K. Das]
Member Secretary