



**ANDHRA PRADESH POLLUTION CONTROL BOARD**  
**ZONAL OFFICE :: VISAKHAPATNAM**

39-33-20/4/1, Madhavadhara Vuda Colony, Visakhapatnam - 530018.

Ph No:0891- 2719380

**RED CATEGORY**

**CONSENT ORDER FOR ESTABLISHMENT (for dump access in 10.0 Ha.,)**

**Order No.9059/PCB/ZO-VSP/VZN/CFE/2021**

**Date: 12.11.2021**

**Sub:** APPCB – ZO - VSP – Consent For Establishment (CFE) for setting up screening plant – **M/s. Garbham Managanese Mine (Mining project of Rashtriya Ispat Nigam Ltd.), Garbham (V), Merakamudidam (M), Vizianagaram District** - Consent for Establishment of the Board under Section 25 of Water (Prevention and Control of Pollution) Act, 1974 and under Section 21 of Air (Prevention and Control of Pollution) Act, 1981 – Issued – Reg.

- Ref:**
- 1) CFE order No: APPCB/VSP/VZN/174/HO/2003, dt. 03.07.2003.
  - 2) EC Order No. J-11015/375/2005-IA.II(M), dt.04.10.2006
  - 3) CFO Order No. 9059/APPCB/ZO-VSP/Tech/2013-1302 dt.20.03.2014.
  - 4) CFO Auto Renewal order dt. 26.09.2016, valid upto 31.12.2021.
  - 5) EC for manual to screening from MoEF&CC order No. J-11015/60/2020-IA.II(M), dt.11.06.2021.
  - 6) Industry's CFE Expansion application received on 11.10.2021 at APPCB, Regional Office, Vizianagaram.
  - 7) RO's inspection report received at ZO, Visakhapatnam on 06.11.2021.
  - 8) CFE Committee meeting held on 09.11.2021 at APPCB, ZO, Visakhapatnam.

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1. The Board issued Consent for Operation Order vide ref. 3<sup>rd</sup> & 4<sup>th</sup> cited, to M/s. Garbham Managanese Mine (Mining project of Rashtriya Ispat Nigam Ltd.), Garbham (V), Merakamudidam (M), Vizianagaram District for Mining of Manganese Ore of 50 TPD in an extent of 264.54 Ha., with validity upto 31/12/2021.
2. M/s. Garbham Managanese Mine (Mining project of Rashtriya Ispat Nigam Ltd.), vide ref. 5<sup>th</sup> cited obtained Environmental Clearance for **dump access in 10.0 Ha., with** Manganese production of 50 TPD and to setup screening plant with a handling capacity of 40.0 MT/Hr powered by diesel generator.
3. M/s. Garbham Managanese Mine (Mining project of Rashtriya Ispat Nigam Ltd.), submitted an application to the Board vide ref. 6<sup>th</sup> cited seeking CFE to carryout excavation to produce the following mineral with installed capacities as mentioned below, with a proposed project cost of Rs.1.0 Cr (Rupees One crore only).

| S. No. | Name of the Products                                   | Capacity   |  |  |
|--------|--|--|--|--|
|        |  | Existing Quantity as per EC order dt.04.10.2016. | Existing Quantity as per CFO order dated 20.03.2014 & its auto renewal dated 26.09.2016. | Total Quantity after Expansion   |
| 1      | Manganese ore from old dump over an extent of 10 Ha.,) | 50 TPD ( <i>manual</i> )                         | 50 TPD ( <i>manual</i> )   | 50 TPD by setting up screening plant of handling capacity of 40 Mt/hour by diesel power generator. |

4. As per the application, the above excavation activity is to be carried out at **Garbham (V), Merakamudidam (M), Vizianagaram District** in an area of 10.0 Ha., of the existing old dump of manganese.
5. The above site was inspected by the Assistant Environmental Engineer, A.P Pollution Control Board, Regional Office, Vizianagaram, on 03.11.2021 and observed that the site is

surrounded by **East:** Agriculture Lands, **West:** Agriculture Lands, **North:** Agriculture Lands & **South:** Old mined out pit. Garbham (V) is towards south direction of total area and at a distance of 700 m to the old dump.

6. The Board, after careful scrutiny of the application, verification report of Regional Officer, Vizianagaram, recommendations of the CFE Committee meeting held on 09.11.2021 at APPCB, ZO, Visakhapatnam and reply submitted by the mining unit hereby issues CONSENT FOR ESTABLISHMENT FOR EXPANSION to your activity Under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. This order is issued to carry out the activity mentioned at para (3) only.
7. This Consent order issued is subject to the conditions mentioned in the Annexure.
8. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.
9. **This order is valid for a period upto 07.10.2022.**

**JOINT CHIEF ENVIRONMENTAL ENGINEER**

**Encl:** Schedules "A & B".

**To**

**M/s. Garbham Managanese Mine  
(Mining project of Rashtriya Ispat Nigam Ltd.), Garbham (V),  
Merakamudidam (M),  
Vizianagaram District.**

- Copy to Environmental Engineer, APPCB, Regional Office, Vizianagaram for information and necessary action.

### **SCHEDULE - A**

1. Progress on implementation of the project shall be reported to the concerned Regional Office, A.P. Pollution Control Board once in six months.
2. Separate energy meters shall be provided for water consumption and air pollution control equipments to record energy consumed.
3. The proponent shall obtain Consents for Operation from APPCB, as required under sec. 25/26 of the Water (P&C of P) Act, 1974 and under sec.21/22 of the Air (P&C of P) Act, 1981 and its Amendments thereof before commencement of the activity, including trial production.
4. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power under Sec.27 (2) of Water (Prevention & Control of Pollution) Act, 1974 and under Sec.21 (4) of Air (Prevention & Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions by the Board.
5. The Consent of the Board shall be exhibited in the factory premises at a conspicuous place for the information of the inspection officers of different departments.
6. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
7. The Rules and Regulations notified by Ministry of Law and Justice, Government of India, regarding the Public Liability Insurance At, 1991 shall be followed.
8. If the proponent is aggrieved by this order made by A.P. Pollution Control Board under Sec. 25 of Water (Prevention & Control of Pollution) Act' 1974 and Sec. 21 of Air (Prevention & Control of Pollution) Act' 1981 he may within 30 days from the date on receipt of the order prefer an appeal to Appellate Authority located at Hyderabad.

### **SCHEDULE - B**

#### **SPECIAL CONDITIONS:**

1. The mining unit shall restrict extraction of manganese ore from the existing old dump in 10 Ha only as per EC order dated 11.06.2021.
2. The mechanical screening operations shall be carried out in closed shed with mist type sprinklers for suppression of fugitive emissions.

#### **WATER:**

1. The source of water is Bore well and the maximum permitted water consumption for screening shall not exceed the following quantities:

| S. No. | Purpose          | Existing Quantity as per CFO order dated 20.03.2014 & its auto renewal dated 26.09.2016. | Total Quantity for screening operations |
|--------|------------------|--|---|
| 1      | Dust suppression | ---  | 6.0 Kilo Liters/Day                     |
| 2      | Water spraying   | 6.0 Kilo Liters/Day  | ---                                     |
| 3      | Green belt       | 3.0 Kilo Liters/Day  | 10.0 Kilo Liters/Day                    |
| 4      | Domestic         | 1.0 Kilo Liters/Day  | 1.0 Kilo Liters/Day                     |
|        | <b>Total</b>     | <b>10.0 Kilo Liters/Day</b>  | <b>17.0 Kilo Liters/Day</b>             |

2. The maximum waste water generation (KLD) for after expansion shall not exceed the following:

| S. No. | Purpose            | Existing Quantity as per CFO order dated 20.03.2014 & its auto renewal dated 26.09.2016. | Total Quantity for screening operations |
|--------|--------------------|--|---|
| 1.     | Domestic effluents | 0.5 Kilo Liters/Day  | 0.8 Kilo Liters/Day                     |
|        | <b>Total</b>       | <b>0.5 Kilo Liters/Day</b>   | <b>0.8 Kilo Liters/Day</b>              |

| Wastewater generation | Mode of disposal                 |
|-----------------------|----------------------------------|
| Domestic – 0.8 KLD    | Septic tank followed by soak pit |

**AIR:**

3. The industry shall comply with the following for controlling air pollution after expansion.

| S. No | Details of Stack                                 | Vent 1   |
|-------|--|----------|
| a)    | Attached to:                                     | D.G. Set |
| b)    | Capacity   | 75 KVA   |
| c)    | Name of the Fuel :                               | Diesel   |
| d)    | Stack height above ground (m.)                   | 5        |
| e)    | Air Pollution Control Equipment:                 | Silencer |
| f)    | Conc. of particulate matter mg/Nm <sup>3</sup> . | ----     |

4. The proponent shall provide dust suppression measures like water spraying arrangements on haul roads, loading & unloading areas and material handing areas.
5. The air pollution control equipment like water sprinklers shall be installed along with the commissioning of the activity.
6. The proponent shall establish one AAQ monitoring station at the periphery of the mine area in the wind prone direction and submit the analysis reports to APPCB regularly.
7. The mining activity shall take measures to comply with the provisions laid down under Noise pollution (Regulation and Control) Amendment Rules, 2010 dated 11.01.2010 issued by MoE&F, GoI to control the noise to the prescribed levels.
8. The industry shall ensure compliance of the National Ambient Air Quality Standards notified by MoEF, GoI vide notification GSR 826(E), dt.16.11.2009 at the boundary of the premises during construction and regular operational phase of the project.
9. The proponent shall comply with conditions stipulated in the EC order dated 11.06.2021 scrupulously.

**SOLID WASTE:**

10. The Solid wastes generated shall not exceed the following breakup quantities for after expansion:

| S. No | Solid Waste generation | Existing quantity | Total quantity after expansion | Hazardous / as defined under HWM Rules, 2016 | Method of Disposal  |
|-------|------------------------|-------------------|--------------------------------|--|---|
| 1     | Used Oil               | 120 LPA           | 50 LPM                         | 5.1 of Schedule - I                          | Shall be used as lubricant within the premises (or) Shall be routed through M/s. Andhra Pradesh Environment Corporation Limited (APEMCL) so as to send to authorized Re-processors / Recyclers. |

**GENERAL CONDITIONS:**

11. The proponent shall ensure compliance of guidelines issued in G.O. Rt.No.239, dt.16.04.2020 and Memo No. covid-19/2020/HMFW, dt.18.04.2020 issued by Medical, health and Family welfare department, Government of AP and the Ministry of Home Affairs order No.40-3/2020/DM-DA, dt.15.04.2020 scrupulously.
12. The proponent shall scrupulously follow any conditions stipulated by Revenue department/Panchayat Raj/Municipal administration/Local self government bodies (Gram Panchayat/Gram secretariat) in ensuring safety to human and animal life.
13. The proponent shall construct retention wall around the dump and also construct garland drain to arrest mined particles being carried away as run off during rainy season around the dump yard.
14. The proponent shall develop greenbelt wherever possible in buffer zone area. Greenbelt development shall be started along with the construction activity.
15. The mining shall be carried out as per the approved mine plan.

16. The proponent shall store the mine rejects and overburden within the earmarked mine lease area as per the approved mine plan.
17. The proponent shall adopt fugitive dust control measures such as water sprinkling near loading areas, on haul roads etc.
18. The proponent shall utilize the top soil for green belt development.
19. The proponent shall control the Noise levels to acceptable limits (CPCB standards) during excavation in the mining area.
20. The fugitive emissions from all sources shall be controlled regularly.
21. The proponent shall take necessary measures for control of air pollution which would be generated during excavation and transportation of the mined material as committed in the EMP / approved mine plan.
22. The proponent shall not operate the mine without obtaining CFO of the Board.
23. The proponent shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.
24. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.
25. The order is issued without prejudice to the rights and contentions of this Board in any court of law.
26. The Board reserves its right to modify above conditions or stipulate any additional conditions including revocation of this order in the interest of environment protection.

**JOINT CHIEF ENVIRONMENTAL ENGINEER**

**To**  
**M/s. Garbham Managanese Mine,**  
**(Mining project of Rashtriya Ispat Nigam Ltd.),**  
**Garbham (V), Merakamudidam (M),**  
**Vizianagaram District.**