



RASHTRIYA ISPAT NIGAM LIMITED

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(A Government of India Enterprise)

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VISAKHAPATNAM STEEL PLANT

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GARBHAM MANGANESE MINE

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Email: garbhammines@gmail.com

/ BY REGD. POST WITH A.D. /

Ref. No.VSP/GMM/6-55/20/Mines-GBM/24

Date: 04.07.2022

To

(1) The Member Secretary,
A.P. Pollution Control Board,
Pushpa Hotel Centre,
Behind Sunrise Hospital
Kasturibaipet,
Vijayawada – 520 010

(2) The Sr. Environmental Engineer
A.P. Pollution Control Board,
Regional Office, Plot No.11,
Sivaji Nagar,
Vizianagaram-535 002

Dear Sir,

Sub: Submission of Half Yearly Compliance on Consent order for Operation (CFO) of Garbham Manganese Mine, Rashtriya Ispat Nigam Ltd, Visakhapatnam Steel Plant-Reg.

Ref: Consent Order No.9059-VZN/APPCB/ZOVSP/CFO/2022/952, dtd.25.01.2022.

** ** *

Enclosed please find copy of Condition wise compliance report on Consent order for Operation (CFO) pertaining to **Garbham Manganese Mine**, Rashtriya Ispat Nigam Ltd., Visakhapatnam Steel Plant, for the Period from Jan-2022 to June-2022.

This is for your kind record.

Thanking you,

Encl: a/a

Yours faithfully,
For Rashtriya Ispat Nigam Limited.
Visakhapatnam Steel Plant

(V.Vijay Vivekananda)
Sr. Manager (Mines)
Garbham Manganese Mine

VISAKHAPATNAM STEEL PLANT

Compliance of Conditions of Consent and hazardous waste

authorization order dt. 25/01/2022

SCHEDULE – A

1. Any up-set condition in any activity of the Mining Unit, which may result in, increased violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.

Ans: Accepted

2. The Mining Unit should carryout analysis of air emissions for the parameters mentioned in this order on quarterly basis and submit to the Board.

Ans: Accepted

3. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable

Ans: Accepted

4. The Mining Unit should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises.

Ans: Complied

5. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.

Ans: Accepted

6. The Mining Unit shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.

Ans: Accepted

7. The Mining Unit should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board. The Mining Unit should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.

Ans: Shall Complied Applied in time and CFO is renewed.

8. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21/22 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

Ans: Accepted No grievance received.

SCHEDULE - B SPECIAL CONDITIONS:

1. The mining unit shall restrict the extraction of Manganese Ore from the existing Old Dump in 10 Ha., only as per EC order dated 116.06.2021 as committed vide undertaking letter dated 22.01.2022.

Ans: Accepted mining unit shall restrict the extraction of Manganese Ore from the existing Old Dump in 10 Ha., only

2. The mechanical screening operations shall be carried out in closed shed with mist type sprinklers for suppression of fugitive emissions.

Ans: Shall be Complied mechanical screening operations shall be carried out in closed shed with mist type sprinklers for suppression of fugitive emissions.

3. The unit shall not cause ground water pollution in and around the area.

Ans: Accepted shall not cause ground water pollution in and around the area

4. The unit shall carryout leachability study for the manganese metal and other heavy minerals and furnish reports in 2 months.

Ans: Shall Complied

5. The proponent shall develop thick greenbelt with tall growing trees all along the boundary of 7.5 buffer zone.

Ans: Accepted Developing thick greenbelt with tall growing trees all along the boundary of 7.5 buffer zone.

6. The unit shall provide flow meters & operate continuously to measure the water consumption and maintain log records of the daily consumption.

Ans: Accepted shall provide flow meters & operate continuously to measure the water consumption

7. The unit shall not cause dust pollution to the surrounding unit.

Ans: Accepted No dust pollution to the surrounding unit

8. The regulations for danger zone (500m) prescribed by Directorate General of Mines Safety also have to be complied compulsorily and necessary measures should be taken to minimize the impact on Environment.

Ans: complied danger zone (500m) prescribed by Directorate General of Mines Safety

WATER:

9. The source of water being bore well. The following is the permitted water consumption:

S. No.	Purpose	Expansion Quantity
1.	Dust suppression	6.0 Kilo Liters/Day
2.	Green belt	10.0 Kilo Liters/Day
3.	Domestic	1.0 Kilo Liters/Day
Total		17.0 Kilo Liters/Day

Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned above.

Ans: Shall be Complied The consumption is within limits.

AIR:

10. The unit shall comply with ambient air quality standards of PM₁₀ (Particulate Matter size less than 10 μ m) - 100 μ g/ m³; PM_{2.5} (Particulate Matter size less than 2.5 μ m) - 60 μ g/ m³; SO₂- 80 μ g/m³; NO_x - 80 μ g/m³, at the periphery of the Mining Unit.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009. Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A) Night time (10 PM to 6 AM) - 70 dB (A)

Ans: Shall be Complied Being maintained to be within limits

11. The mining unit shall establish one AAQ monitoring station at the periphery of the mine are in the wind pone direction and submit the analysis reports to Regional Office, APPCB, Vizianagaram regularly.

Ans: Shall be Complied

12. The mining unit 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.

Ans: Shall be Complied

13. The mining unit 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.

Ans: Shall be Complied

GENERAL CONDITIONS:

14. The unit 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.

Ans: Complied constructed 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

15. Garland drain and siltation ponds of adequate size should be constructed for working pit to arrest flow of silt and sediment.

Ans: Accepted No working pits.

16. The unit shall provide water sprinklers for wetting the roads and at dust generating sources to control fugitive dust emissions.

Ans: Complied provide water sprinklers for wetting the roads and at dust generating sources to control fugitive dust emissions.

17. Greenbelt shall be developed at possible areas around the boundary

Ans: Complied Greenbelt developed at possible areas around the boundary.

18. The unit 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.

Ans: Accepted

19. The unit 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.

Ans: Accepted

20. The unit shall maintain the following records and the same shall be made available to the inspecting officers of the Board:

- a. Daily production details.
- b. Log Books for pollution control systems.
- c. Solid waste generated and disposed.
- d. Inspection book.

Ans: Accepted, Maintained.

21. The unit shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE/CFO of the Board.

Ans: Accepted

22. The unit shall scrupulously comply with conditions stipulated by the SEIAA, MoEF&CC, in the Environmental Clearance order dated: **11.06.2021.**

Ans: Accepted

23. All the waste material should be accommodated within the Mining Lease Area.

Ans: Complied

24. All mining products and rejects, irrespective of size and quality, should be hauled within the mine lease area.

Ans: Complied, No rejects

25. Dumping of overburden, if done, should use the retreating pyramid bench formation with concurrent, physical and biological reclamation. Dumps should be contoured and provided with relief control and stabilized. Dump tops should be compacted, leveled and be properly drained. The overburden shall not be disposed outside the mine lease area under any circumstances.

Ans: Accepted , No overburden shall be disposed outside the mine lease area under any circumstances.

26. Suitable tree species should be planted on either side of the haul roads.

Ans: Complied

27. Drills should be water-jacketed. Local exhaust ventilation systems should be installed at dust generation points and the dust is led to a dust collection system.

Ans: No Drills and not Applicable

28. The mining unit shall provide water sprinklers for wetting the roads and at dust generating sources to control fugitive dust emissions.

Ans: Complied provide water sprinklers for wetting the roads and at dust generating sources to control fugitive dust emissions.

29. The mine rejects shall be disposed scientifically in the earmarked area as per the mining plan.

Ans: Not Applicable , No mine rejects

30. Fugitive emissions from all the sources shall be controlled regularly.

Ans: Accepted

31. The unit shall establish one Ambient Air Quality monitoring station and monitor the critical parameters maintained in Schedule - 'B' as per CPCB guidelines and shall submit monthly reports to Regional Office and Zonal Office regularly.

Ans: Shall be Complied

32. Mining shall be carried out as per approved Mining plan.

Ans: Accepted Mining is carried out as per approved Mining plan

33. The unit shall submit a compliance report on CFO conditions for every 6 months as on 01st January and 01st July of every year at Regional Office and Zonal Office.

Ans: Accepted shall submit a compliance report on CFO conditions for every 6 months

SCHEDULE – C

[See rule 6(2)] [CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES]

1. All the rules and regulations notified by Ministry of Environment and Forests, Government of India under the E (P) Act, 1986 in respect of management, handling, transportation and storage of the Hazardous wastes should be followed.

Ans: Accepted shall be followed

2. The Mining unit shall not store hazardous waste for more than 90 days as per the Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 and amendments thereof.

Ans: Accepted shall not store hazardous waste 90 days.

3. The Mining unit shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.

Ans: Accepted

4. The Mining unit shall maintain 6 copy manifest system for transportation of waste generated and a copy shall be submitted to concern Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.

Ans: Accepted Shall be Complied

5. The Mining unit shall maintain proper records for Hazardous Wastes stated in Authorization in FORM-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form-4 as per Rule 6(5), 13(8), 16(6) and 20(2) of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2016 and amendments thereof.

Ans: Accepted Shall be Complied

6. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.

Ans: Accepted Shall be Complied

7. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.

Ans: Accepted Shall be Complied

8. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.

Ans: Accepted

9. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.

Ans: Accepted Shall be Complied

10. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".

Ans: Accepted Shall Complied

11. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.

Ans: Accepted Shall Complied

12. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.

Ans: Accepted Shall Complied

13. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

Ans: Accepted Shall Complied

14. The Mining unit shall inventorize the hazardous wastes and its quantities stored within the industry premises as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (HOWM Rules, 2016) and shall furnish the details to Regional Office, APPCB on monthly basis duly certifying the same by the industry.

Ans: Accepted Shall Complied

15. The Mining unit shall submit the self certification on compliance of all the conditions stipulated in the CFO & HWA order.

Ans: Accepted Shall Complied

V V V
04/7/22
V.VIJAY VIVEKANANDA
Agent-Cum Mines Manager
RINL/VSP/Garbham Manganese Mine