



राष्ट्रीय इस्पात निगम लिमिटेड

(भारत सरकार का उपक्रम)

**Rashtriya Ispat Nigam Limited**

(A Government of India Undertaking)

CIN : U27109AP1982GOI003404



**/ BY REGD. POST WITH A.D. /**

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

Date: 17.01.2022

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/2016/952, dtd.26.09.2016.

\*\* \*\* \*

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 July-2021 to Dec-2021.

This is for your kind record.

Thanking you,

Encl: a/a

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

*V.V. Vivekananda*  
17/1/2022

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



**GARBHAM MANGANESE MINE**

**GARBHAM - 535 102, Vizianagaram Dist**

Email : garbhammines@gmail.com, Cell No. 9866136955

हिंदी के प्रयोग का स्वागत है, पत्र का उत्तर शीघ्र दिया जाएगा।

क्षेत्रीय कार्यालय :- गर्भम मैंगनीज खदान, गर्भम, आर आई एन एल/ वी एस पी, विजियानगरम, आंध्रप्रदेश- 535 102

**VISAKHAPATNAM STEEL PLANT**  
Compliance of **Conditions of Consent and hazardous waste**  
authorization order dt. 26/09/2016

SCHEDULE — A

1. The applicant shall make applications for renewal of Consent (under Water and Air Acts) and Authorisation under HWM Rules at least 120 days before the date of expiry of tilts order, along with prescribed fee under Water and Air Acts for obtaining Consent & HW Authorisation of the Board.

Ans: Shall be complied. Applied in time and CFO is renewed up to 31.12.2021.

2. All other conditions (except condition no.1) stipulated in the Schedule-A of the earlier combined CFO & HWA order remains same.

hs: Being complied.

3. The industry shall insure consistent compliance of conditions of this Schedule-

A. Ans: Being complied.

4. Any- persons aggrieved by an order made by' the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 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 such authority (hereinafter referred to as the 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. No grievance received.

5. The industry shall 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 and quantity of emissions etc.,

Ans: No change

  
17/11/2022  
Mine Manager  
VSP/Garbham Manganese Mine



## SCHEDULE – B

### Special Conditions:

1. The domestic effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below:

Outlet	Parameter No.	Limiting Standards
1.	pH	5.50 – 9.00
	TSS	200 mg/l
	BOD	100mg/l

Ans: **Being maintained to be within limits**

2. The industry shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below:

S. No.	Purpose	Limiting Standards
1	Water spraying	6 KLD
2	Gardening	3 KLD
3	Domestic	1KLD
<b>Total</b>		<b>10 LD</b>

Ans: **The consumption is within limits.**

3. The industry shall file the water cess returns in Form-I as required under section(5) of Water (Prevention and Control of Pollution) Cess Act, 1977 on or before the 5<sup>th</sup> of every calendar month, showing the quantity of water consumed in the previous month along with water meter readings. The industry shall remit water cess as per the assessment orders as and when issued by Board.

Ans: **Shall be submitted**

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

Ans: **Shall be complied**

5. The industry shall comply with ambient air quality standards of Particulate matter (size less than 10  $\mu\text{m}$ ) or  $\text{PM}_{10}$ -100  $\mu\text{g}/\text{m}^3$ , Particulate matter (size less than 2.5  $\mu\text{m}$ ) or  $\text{PM}_{2.5}$ -60  $\mu\text{g}/\text{m}^3$ ;  $\text{SO}_2$ -80  $\mu\text{g}/\text{m}^3$ ;  $\text{NO}_x$  – 80  $\mu\text{g}/\text{m}^3$  outside the factory premises at the periphery of the industry. Standards for other parameters as mentioned in the National Ambient Air Quality standards of CPCB notification No.B-29016/20/8/PCI-I, dtd.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: **Being monitored and complied**



6. The industry shall carryout AAQ monitoring and ground water monitoring periodically and submit the analysis reports to the Board.

Ans: **Being complied**

7. The industry shall control fugitive emissions during separation of excavated manganese ore into lumps and fines.

Ans: **Being complied.**

8. The industry shall take all necessary measures to suppress the dust emissions generate during mining as well as transportation of vehicles in the leased area.

Ans: **Being complied.**

9. The top soil shall be handled properly for back filling / reclamation / rehabilitation of mined out area.

Ans: **Since there is no top soil generation and also since that dump mining is carried out above ground level, no voids are formed and hence back filling is not applicable.**

10. The industry shall provide settling tanks and garland drains.

Ans: **Garland drains are provided.**

11. The industry shall provide Toe walls to avoid soil erosion during rainy season.

Ans: **Toe / retaining wall is being provided.**

12. Thick plantation shall be carried out by sides of the internal roads and mined area.

Ans: **Thick vegetation is developed over an area of 6.08 Hectares**

13. The proponent shall comply with the conditions stipulated in EC obtained vide order No.J-11015/37/2005-1A-II(M), dt.04.10.2006.

Ans: **Being complied and compliance reports of conditions of EC are submitted separately once in every six months.**

14. The proponent shall not cause dust / air pollution problems to the surrounding environment.

Ans: **Being complied.**

15. The proponent shall provide water sprinklers for dust suppression along the mining area.

Ans: **Water tanker with sprinkling arrangements provided.**

16. The proponent shall carryout mining as per the approved mining plan only.

Ans: **Being complied.**

17. Green belt shall be developed on the OB dump area.

Ans: **Developed.**

18. Roads shall be graded to mitigate the dust emissions.

Ans: **Roads are graded such that not steeper than 1 in 14.**

19. Garland drain and siltation ponds of appropriate size should be constructed for the working pit to arrest flow of slit and sediment.

Ans: **Being maintained.**

20. No beneficiation of ore shall be carried out at the site.

Ans: **Being complied.**

21. Blasting shall not be carried for mining activity except for initial blasting for loosening the quartz rock.

Ans: **Drilling and Blasting is not adopted.**

22. Fencing wall shall be provided all along the mining area.

Ans: **Shall be complied.**

23. The mining shall be carried out manually by wet drilling process.

Ans: **Drilling is not done.**

24. The industry shall provide a settling tank for collection of excess mine discharge before utilizing for on land for irrigation purposes.

Ans: **Provided.**

25. The industry shall dedicate a water tanker with water spray system and suppress the dust emissions on the haul roads regularly to avoid fugitive emissions.

Ans: **Being complied.**

26. The industry shall not dispose OB dump outside its premises and shall be disposed in the designated area only.

Ans: **Old OB dump exists within the lease area only. Presently overburden is not generated in the process.**




27. The industry shall obtain permission from Explosive Department for blasting operations and should comply with the conditions stipulated.

Ans: **Shall be complied as and when necessary.**

28. The proponent shall inform the mined quantity of Manganese Ore to the Assistant Director of Mines & Geology, Near R&B Office , Cantonment, Vizianagaram.

Ans: **Being complied.**

V V   
17/11/2022  
Mine Manager  
VSP/Garbham Manganese Mine

**SCHEDULE - C**

[see rule 3(c) and 5(5)]

**[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING  
HAZARDOUS WASTES]**

1. Industry shall give top priority for waste minimization and cleaner production practices. Industry shall submit action plan for minimization of hazardous wastes within three months from the date of issue of the authorization.

**Ans: The waste being generated is maximum of 20 ltrs. Of used lubricant oil per month. Efforts are being made to reduce the same.**

2. The industry shall take all necessary practical steps for prevention of oil spillages on land and carryover of oil from the premises.

**Ans: Being complied.**

3. Industry shall store hazardous wastes in a secured manner in their premise till their disposal.

**Ans: Being complied.**

4. The industry shall dispose/sell the wastes to only Industries/Agencies authorized by State Pollution Control Boards. They shall verify the authorization of the board given to the party before disposing their wastes to the external party.

**Ans: Shall be complied.**

5. The industry shall maintain good housekeeping and maintain proper records for Hazardous Wastes stated in Authorization.

**Ans: Being complied.**

6. Industry shall maintain 6 copy manifest system for transportation of waste generated and a copy shall be submitted the Zonal Office, Visakhapatnam and concerned Regional Office.

**Ans: Shall be complied.**

7. The industry shall store the ETP sludge in a secured manner within the industry's premises.

**Ans: NOT APPLICABLE**



8. The industry should not store hazardous waste for more than 90 days as per the Hazardous Waste (Management, Handling and Trans boundary Movement), Rules,2008 and Amendments thereof.

Ans: **Being complied.**

9. The industry should dispose of e-waste to the authorized recyclers only.

Ans: **Used oils shall be sent to Lubricants and Hydraulic department of Visakhapatnam Steel Plant for necessary recycling.**

10. The industry shall comply with directions of MoEF, GOI vide Fly Ash notification dated:14.09.1999 and amendment notification dated: 27.08.2003 with regards to the utilization of Fly Ash. The industry shall submit an Action Plan on the above subject within 15 days of receipt of this authorization.

Ans: **NOT APPLICABLE**

11. The industry shall submit the condition wise compliance report of the conditions stipulated in Schedule – A and Schedule – B of this Authorization half-yearly basis to Zonal Office, Visakhapatnam and concerned Regional Office.

Ans: **Being submitted on half yearly basis.**

V V  17/1/2022

Mine Manager  
VSP/Garbhani Manganese Mine