



K.VENKATESWARA RAO
JOINT CHIEF ENV. ENGINEER

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ANDHRA PRADESH POLLUTION CONTROL BOARD
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BY REGISTERED POST WITH ACKNOWLEDGEMENT DUE

CONSENT AND HAZARDOUS WASTE AUTHROIZATION ORDER

Consent Order No: 9059/APP/PCB/ZO-VSP/Tech./2013- 1302

Date: 20.03.2014

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof and Operation of the plant under section 21 of Air (Prevention & Control of Pollution) Act, 1981 and amendments thereof) and authorization / Renewal of Authorization under rule 5 of Hazardous wastes (Managements, Handling & Transboundary, Management) Rules 2008 and Amendments thereof.

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act 1981 and Authorization under the provisions of HW (M&H) Rules (hereinafter referred to as 'the Acts', 'the Rules') and the rules and orders made thereunder to

✓ M/s. Garbham Manganese Mine,
(Mining project of Rastriya Ispat Nigam Ltd.,)
Garbham (V), Merakamudidam (M),
Vizianagaram

(hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of Emissions per hour from the chimneys as detailed below.

I) Outlets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge	Point of Disposal
1.	Domestic Effluents	0.5 KLD	Septic tank followed by soak pit

II) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow

III) Hazardous Waste Authorization:

FORM 2
[SEE RULE 3 (C) AND T (5)]

Authorization No.: 9059/PCB/ZO-Vsp/Tech/HWA/2013- 1302

D28/03/2014
20/3/14.

The authorization is granted to handle the hazardous wastes as specified below

Sl.No.	Name of the Hazardous Waste	Stream	Quantity of Hazardous waste generated	Disposal option
01	Used Lubricating Oil	5.1 of Schedule - I	20 LPM	Agencies authorized by APPCB

This order is subject to the provisions of the Acts and orders made thereunder and further subject to the terms and conditions incorporated in the schedule A, B and C enclosed to this order.

This consent order is valid for manufacture the following products along with quantities only.

S.No.	Product & By product	Capacity
01	Mining of manganese ore	50 TPD

This combined Order of Consent and Hazardous Waste Authorization shall be valid for a period ending with the 31.12.2016.

To
M/s. Garbham Manganese Mine,
(Mining project of Rastriya Ispat Nigam Ltd.,)
Garbham (V), Merakamudidam (M),
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DEPT. OF ENVIRONMENT
& POLLUTION CONTROL
REGIONAL OFFICE, VISAKHAPATNAM

SCHEDULE - A

1. The applicant shall make applications 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 for obtaining Consent & HW Authorization of the Board.
2. All other conditions (except Condition No.1) stipulated in the Schedule-A of the earlier combined CFO & HWA order remains same.
3. The industry shall ensure consistent compliance of conditions of this Schedule-A.
4. 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 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.

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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	100 mg/l

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	Quantity
1.	Water spraying	6 KLD
2.	Gardening	3 KLD
3.	Domestic	1 KLD
Total		10 KLD

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 5th 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.
4. The industry shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE/CFO of the Board.
5. The industry shall comply with ambient air quality standards of Particulate matter (size less than 10 μm) or PM_{10} -100 $\mu\text{g}/\text{m}^3$; Particulate matter (size less than 2.5 μm) or $\text{PM}_{2.5}$ -60 $\mu\text{g}/\text{m}^3$; SO_2 - 80 $\mu\text{g}/\text{m}^3$; 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-1, dt.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).

6. The industry shall carryout AAQ monitoring and ground water monitoring periodically and submit the analysis reports to the Board.
7. The industry shall control fugitive emissions during separation of excavated manganese ore into lumps and fines.
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.
9. The top soil shall be handled properly for back filling / reclamation / rehabilitation of mined out area.
10. The industry shall provide settling tanks and garland drains.
11. The industry shall provide Toe walls to avoid soil erosion during rainy season.
12. Thick plantation shall be carried out by sides of the internal roads and mined area.
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.
14. The proponent shall not cause dust / air pollution problems to the surrounding environment.

15. The proponent shall provide water sprinklers for dust suppression along the mining area.
16. The proponent shall carryout mining as per the approved mining plan only.
17. Green belt shall be developed on the OB dump area.
18. Roads shall be graded to mitigate the dust emissions.
19. Garland drain and siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment.
20. No beneficiation of ore shall be carried out at the site.
21. Blasting shall not be carried for mining activity except for initial blasting for loosening the quartz rock.
22. Fencing wall shall be provided all along the mining area.
23. The mining shall be carried out manually by wet drilling process.
24. The industry shall provide a settling tank for collection of excess mine discharge before utilizing for on land for irrigation purposes.
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.
26. The industry shall not dispose OB dump outside its premises and shall be disposed in the designated area only.
27. The industry shall obtain permission from Explosive Department for blasting operations and should comply with the conditions stipulated.
28. The proponent shall inform the mined quantity of Manganese Ore to the Assistant Director of Mines & Geology, Near R & B Office, Contonment, Vizianagaram.

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
2. The industry shall take all necessary practical steps for prevention of oil spillages on land and carry over of oil from the premises.
3. Industry shall store hazardous wastes in a secured manner in their premise till their disposal.
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.
5. The industry shall maintain good housekeeping and maintain proper records for Hazardous Wastes stated in Authorization.
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.
7. The industry shall store the ETP sludge in a secured manner within the industry's premises.
8. The industry should not store hazardous waste for more than 90 days as per the Hazardous Waste (Management, Handling and Transboundary Movement), Rules, 2008 and Amendments thereof.
9. The industry should dispose of e-waste to the authorized recyclers only.
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 utilisation of Fly Ash. The industry shall submit an Action Plan on the above subject within 15 days of receipt of this authorization.
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.

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