



ANDHRA PRADESH POLLUTION CONTROL BOARD
ZONAL OFFICE :: VISAKHAPATNAM
D.No.39-33-20/4/1, Madhavadhara Vuda Colony, Visakhapatnam - 530018.
Ph : 0891 - 2719380

RED HAZARDOUS CATEGORY
CONSENT ORDER

Consent Order No: 7986/APPCB/ZO-VSP/CFO/W&A/2019

Dt: 18.11.2019

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorization under Rule 6 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

**3.24 Ha Kintada Quartz mine of
M/s. Rastriya Ispat Nigam Ltd.,
Sy. No. 153, Kintada (V), K. Kotapadu (M),
Visakhapatnam District.**

(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 | 0.2 Kilo Liters/Day | Septic Tank followed by soak pit |

ii) Emissions from chimneys:

| Chimney No. | Description of Chimney | Quantity of Emissions at peak flow (m ³ /hr) |
|-------------|---------------------------|---|
| 1 | Attached to 10 KVA DG set | --- |

iii) HAZARDOUS WASTE AUTHORISATION (FORM - 2) [See Rule 6 (2)]:

3.24 Ha Kintada Quartz mine of M/s. Rastriya Ispat Nigam Ltd., Sy. No. 153, Kintada (V), K. Kotapadu (M), Visakhapatnam District is hereby granted an authorization for generation, storage, transport and disposal of Hazardous Wastes namely:

• HAZARDOUS WASTES WITH RECYCLING OPTION:

| S. No. | Name of Hazardous Waste | Stream | Quantity | Method of disposal |
|--------|-------------------------|-------------------|-----------------|--------------------------|
| 1 | Used oil | 5.1 of Schedule-I | 20 Liters/Annum | To authorized recyclers. |

This consent order is valid for the following products along with quantities indicated only:

| S.No. | Products | Quantity |
|-------|------------------|--------------------|
| 1. | Mining of Quartz | 4166.67 Tons/Month |

This order is subject to the provisions of `the Acts' and the Rules' and Orders made there under and further subject to the terms and conditions incorporated in the schedule – A, B & C enclosed to this order.

This combined order of Consent & Hazardous Waste Authorization shall be valid for a period ending with the **31.10.2021**.

JOINT CHIEF ENVIRONMENTAL ENGINEER

**To
3.24 Ha Kintada Quartz mine of
M/s. Rastriya Ispat Nigam Ltd.,
Sy. No. 153, Kintada (V), K. Kotapadu (M),
Visakhapatnam District.**

SCHEDULE-A

1. Any up-set condition in any industrial plant / activity of the unit, which result in, increased effluent / emission discharge and/ or 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.
2. The unit should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
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.
4. The 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.
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.
6. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
7. The applicant 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 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.
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 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.

SCHEDULE-B

SPECIAL CONDITIONS :

1. The mine shall carry out occupational health survey program of the workers periodically to absorb contractions due to exposure to dust and take corrective measures.

WATER POLLUTION:

2. The source of water being ground water. The following is the permitted water consumption:

| S No. | Purpose | Quantity |
|--------------|------------------|-----------------------------|
| 1 | Dust suppression | 12.0 Kilo Liters/Day |
| 2 | Domestic | 5.0 Kilo Liters/Day |
| 3 | Greenbelt | 3.0 Kilo Liters/Day |
| | Total | 20.0 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 for Cess assessment purpose.

AIR POLLUTION:

3. The emissions shall not contain constituents in excess of the prescribed limits mentioned below:

| Chimney No. | Parameter | Emission Standards (mg/Nm ³) |
|-------------|--------------------|--|
| 1 | Particulate Matter | 115 |

4. The Mining unit shall comply with ambient air quality standards of PM₁₀ (Particulate Matter size less than 10µm) - 100 µg/ m³; PM_{2.5} (Particulate Matter size less than 2.5 µm) - 60 µg/ m³; SO₂- 80 µg/m³; NO_x - 80 µg/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)

GENERAL CONDITIONS:

5. The Mining unit shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
- Daily production details
 - Log Books for pollution control systems.
 - Solid waste generated and disposed.
 - Inspection book.
6. The Mining unit shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE/CFO of the Board.
7. The Mining unit shall scrupulously comply with conditions stipulated by the SEIAA, MoEF&CC, Vijayawada in the Environmental Clearance order dated: 13.09.2019 and CFE order dated 11.01.2010 of the Board in the name of M/s. B. Muthyalu, Sy. No. 1/9, 1/12 & 2, Thumbarthi (V), Ananthagiri (M), Visakhapatnam District.
8. The Mining unit shall not cause ground water pollution in and around the Mining Unit premises.
9. All the waste material should be accommodated within the Mining Lease Area.
10. All mining products and rejects, irrespective of size and quality, should be hauled within the mine lease area.
11. 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.
12. The mining 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.
13. Suitable tree species should be planted on either side of the haul roads.
14. 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.
15. The Mining unit shall provide water sprinklers for wetting the roads and at dust generating sources to control fugitive dust emissions.
16. Greenbelt shall be developed at possible areas around the boundary.
17. The mine rejects shall be disposed scientifically in the earmarked area as per the mining plan.
18. Fugitive emissions from all the sources shall be controlled regularly.
19. The Mining unit shall establish two 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.
20. Mining shall be carried out as per approved Mining plan.

21. The Mining 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.

SCHEDULE - C [See Rule 6 (2)]

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

- 1) The unit shall comply with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 2) 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.
- 3) The unit shall not store hazardous waste for more than 180 days as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and amendments thereof.
- 4) The unit shall store Used/Waste Oil in a secured way in their premises till its disposal to the authorized recycle industries.
- 5) The unit shall maintain 6 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned 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.
- 6) The unit shall maintain proper records for Hazardous Wastes stated in Authorisation 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 20(2) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 7) The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- 8) The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- 9) 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.
- 10) The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 11) 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".
- 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.
- 13) Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

JOINT CHIEF ENVIRONMENTAL ENGINEER

To
3.24 Ha Kintada Quartz mine of
M/s. Rastriya Ispat Nigam Ltd.,
Sy. No. 153, Kintada (V), K. Kotapadu (M),
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