



CONSENT & HWA ORDER (EXPANSION)

Consent Order No:210522835370

Date:17.02.2021

(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, Operation of the plant under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation / Renewal of Authorisation under Rule 6 of the Hazardous and Other Wastes (Management, Handling & Transboundary Movement) Rules 2016).

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof, and Authorisation under the provisions of HW (MH & TM) Rules, 2016 (hereinafter referred to as 'the Acts', 'the Rules') and amendments thereof and the rules and orders made there under to **M/s. Madharam Dolomite Mine Ltd ., of M/s Rastriya Ispat Nigam Ltd (Visakhapatnam Steel Plant) , Madharam (V), Singareni (M), Khammam District** (hereinafter referred to as 'the Applicant /Industry') and the industry is authorized to operate the industrial plant to discharge the Effluents from the outlets and the quantity of Emissions per hour from the chimneys, by operating pollution control equipment, as detailed below,

i) Out lets for discharge of Effluents:

Outlet No.	Description of Outlet	Max Daily Discharge in KLD	Point of Disposal
1	Mine discharge	100	After treatment, shall be used for onland for plantation, duly meeting the standards stipulated at Schedule - B.
2	Domestic	200	After treatment in STP, shall be used of onland for irrigation within the premises, duly meeting the standards stipulated at Schedule - B.

ii) Emissions from chimneys:

Chimney No.	Description of Chimney
1	Attached to DG sets of capacity 380 KVA, 250 KVA & 30 KVA

iii) HW Authorisation No.210522835370

Date:17.02.2021

**HAZARDOUS WASTE AUTHORISATION
(FORM – II)
[See Rule 6 (2)]**

M/s. Madharam Dolomite Mine Ltd ., of M/s Rastriya Ispat Nigam Ltd (Visakhapatnam Steel Plant) , Madharam (V), Singareni (M), Khammam District is hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

• HAZARDOUS WASTES WITH RECYCLING OPTION:

S. No	Name of the Hazardous Waste	Stream	Quantity	Disposal option
1.	Used oil / Waste lubricating oil	5.1 of Schedule – I	420 Lt/annum	Shall be disposed to authorized Re-processors / Recyclers.

2	Containers and container liners.	33.1 of Schedule -I	163 Nos/annum	After complete detoxification, shall be disposed to authorized Re-processors / Recyclers.
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This consent order is valid for the activity along with quantity as mentioned below only.

Sl. No.	Product	Capacity
1	Dolomite mining	4000TPD (1.2 Million TPA)

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

This combined order of Consents and Authorization is valid for a period ending with the **31st October, 2025.**

Sd/-
MEMBER SECRETARY

To
M/s. Madharam Dolomite Mine Ltd .,
M/s Rastriya Ispat Nigam Ltd (Visakhapatnam Steel Plant) ,
Madharam (V), Singareni (M), Khammam District

///T.C.F.B.O///

BVB Girish

 SENIOR ENVIRONMENTAL ENGINEER (FAC)

SCHEDULE - A

1. The applicant shall make applications through online for renewal of Consent (under Water & Air Acts) and Authorisation 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 Authorisation of the Board. The applicant can also apply for Auto Renewal of the CFO atleast 30 days before the expiry of this order as per the procedure and eligibility stipulated in the Board Circular dt.19.11.2015 & 08.12.2015 (available in Board's Website: <http://tspcb.cg.gov.in/Pages/Circulars.aspx>).
2. This order is issued in line with Board's CFE (Expansion) order dt. 09.03.2011, Extension of CFE validity order dt.06.03.2016& CFO&HWA order dt.18.12.2020. 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. The industry shall comply with all other conditions of CFE (Expansion) order dt.09.03.2011, Extension of CFE validity order dt. 06.03.2016 & CFO&HWA order dt. 18.12.2020 are still applicable.
3. 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.
4. The industry may explore the possibility of tapping the solar energy for their energy requirements.
5. The industry shall comply with the all the directions issued by the Board from time to time.
6. The Board reserves its right to modify above conditions or stipulate any further conditions and to take action including revoke of this order in the interest of protection of public health and environment.

SCHEDULE - B

1. Total Water Consumption shall not exceed 1200 KLD

S.No	Purpose	Quantity
1	Wetting of haul roads & ADS system	920 KLD
2	Domestic	280 KLD
	Total	1200 KLD

2. The Treated Effluent Discharged shall not exceed the following prescribed standards

Outlet No.	Parameter	Limiting Standard
1&2	pH	6.5 – 8.5
	Total Suspended Solids (TSS)	100 mg/l
	Oil & Grease	10 mg/l
	Chemical Oxygen Demand(COD)	250 mg/l
	Biochemical Oxygen Demand(BOD)	100 mg/l

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

Chimney No.	Description of Chimney	Parameter	Emission standards
1	Attached to DG sets of capacity 380 KVA, 250 KVA & 30 KVA	SPM	115 mg/Nm ³

4. The industry 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, outside the factory premises at the periphery of the industry.

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)

5. The industry has paid CFO fee of Rs.15,26,000/- for period upto 31.10.2025.
6. The industry either paying annual fee or total fee for Consented period, shall pay the balance fee as per the revised rates as applicable from time to time.
7. The industry existing CFO&HWA order dt.18.12.2020 with a validity period upto 03.10.2025 stands cancelled.
8. The industry maintain continuous AAQ monitoring station towards village side and connect to TSPCB server as committed.
9. The industry shall maintain separate water meters for recording water consumption for various purposes and also maintain daily records.
10. The industry shall provide fixed water sprinklers along the permanent haul roads of the mine.
11. The industry shall maintain the water spraying system properly by adopting preventive maintenance schedule to avoid fugitive dust emissions.
12. The industry shall carryout water spraying on haul roads to avoid fugitive dust emissions due to vehicular movement.
13. The industry shall maintain flow meters at inlet and outlet of STP for recording wastewater generation, treatment and disposal and maintain records.
14. All waste material shall be accommodated within the Mining Lease Area.
15. All mining products and rejects, irrespective of size and quality, shall be hauled away from the mine.
16. The natural drainage of water shall be maintained. Dump sites shall not cross any streams, water flow from the Mining Lease Area. Even during the monsoon, garland drains shall be free of suspended matter and conform to prescribed water quality standards.
17. The industry shall maintain settling tanks for mine discharge water.
18. The industry shall operate dry fog system regularly, installed for dust suppression.
19. The industry shall develop greenbelt as per norms.
20. Dumping of overburden, if done, shall be retreating pyramid bench formation with concurrent, physical and biological reclamation. Dumps shall be contoured and provided with relief control and stabilized. Dump tops shall be compacted, levelled and be properly drained.
21. Soil binding and nitrogen fixing plants shall maintained in the mining lease area. Biological reclamation shall be done in two phases. First phase shall be with appropriate quick growing grass and shrubs and the second phase shall be reported to the Board immediate. Discarded pits shall be allowed to fill with water.
22. Check dams and filter beds shall be constructed to protect from stream runoffs.
23. Ground water table levels shall be monitored every season. Any lowering of the ground water table in comparison to the previous season shall be reported to the Board immediately. Discarded pits shall be allowed to fill with water.

24. Vehicles shall be well maintained and engine idling shall be minimized. Vehicle cabs shall be made dust-proof.
25. Drills shall be water-jacketed. Local exhaust ventilation systems shall be installed at dust generation points and the dust is led to a dust collection system.
26. An environmental policy statement which spells out the overall environmental management philosophy and the thrust programs for the next two years shall be prepared and submitted to the Board and circulated to the people in habitats in a 10 km radius around the plant and mines.
27. A separate environmental management cell with suitable qualified personnel shall be set up under the control of a senior executive who will report directly to the head of the organization.
28. Plantation shall be raised and maintained along the roads, dump sites, etc., including wide greenbelt all around the ML area by planting the native species in consultation with local DFO / Agriculture department.
29. The industry shall undertake suitable artificial recharge measures in the project area for augmentation of ground water resources.
30. The industry shall maintain dust suppression system at all fugitive dust generating points to meet the AAQM standards.
31. The industry shall maintain separate energy meters for recording energy consumption for air pollution control equipments and maintain record for daily energy consumption.
32. The industry should establish appropriate RWH structure on the available up-stream portion of the plant site.
33. The industry should comply with the directions issued by Task Force from time to time.
34. The applicant shall submit Environment statement in Form V to the Regional office before 30th September of every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
35. The conditions stipulated in this order are without any prejudice to rights and contentions of this Board in any Hon'ble court of Law.

SCHEDULE - C

[see rule 6(2)]

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

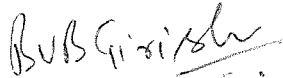
1. The industry shall give top priority for waste minimization and cleaner production practices.
2. The industry shall not store hazardous waste for more than 90 days as per the Hazardous and other Wastes (Management, Handling and Transboundary Movement) Rules, 2016 and amendments thereof. The industry shall maintain 6 copy manifest system for transportation of waste generated and copies of receipt of Consignee shall be submitted to the Concerned Regional office. The industry 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, Handling & Transboundary Movement) Rules, 2016 and amendments thereof.
3. The industry shall dispose /sell the Hazardous Waste to only industries/agencies authorized by the State Pollution Control Boards. The industry shall verify the authorization of the Board given to the Party before disposing its waste to the External Party.

4. The industry shall maintain proper records for Hazardous Wastes disposal and its concurrence with authorization. In case of variation in generation, industry shall submit explanation and obtain amendment in Environmental Clearance/ CFE/CFO in this regard.
5. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal. Waste oils shall be disposed to the authorized Reprocessors/ Recyclers and Used Lead Acid Batteries shall be disposed to the manufacturers / dealers on buyback basis. The industry shall take necessary practical steps for prevention of oil spillages and carryover of oil from the premises. The industry shall check the Certificate/ Authorisation/order of MoEF issued to the Re-user/Recycle units while disposing the waste oil.
6. The industry shall dispose of e-waste to the authorised recyclers only.
7. The industry shall maintain good housekeeping.
8. The industry shall submit the condition wise compliance report of the conditions stipulated in Schedule B & C of this Order on half yearly basis to Board Office, Hyderabad and concerned Regional Office.

**Sd/-
MEMBER SECRETARY**

To
M/s. Madharam Dolomite Mine Ltd .,
M/s Rastriya Ispat Nigam Ltd (Visakhapatnam Steel Plant),
Madharam (V), Singareni (M), Khammam District.

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