

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010437/24020781/24014701		Kalpataru Point, 2 nd - 4 th Fl.
Fax: 24024068 / 24023516		Opp. Cine Planet Cinema,
Website: http://mpcb.gov.in		Near Sion Circle, Sion (E)
E-mail: jdair@mpcb.gov.in		Mumbai-400 022.

RED/SSI

Consent No. BO/JD (APC)/O /UAN- 11581/cc-188

Date: 03/02/2017

Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorisation / Renewal of Authorisation under Rule 5 of the Hazardous & other Wastes (Management, Handling & Transboundary) Rules, 2016.

[To be referred as Water Act, Air Act and HW (M,H & TM) Rules respectively].

CONSENT is hereby granted to,

M/s. Prachi Mines
Vill-Adi M Khadi, Kaivane & Dhariwali
Tal-Mhasala & Shriwardhan
Dist-Raigad

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW & others (M&H) Rules and amendments thereto subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Operate is granted for a period up to 31-12-2021
2. The Consent is valid for the activity of mining --

Sr.No.	Product Name	Maximum Quantity
1	Mining of Bauxite Ore (Mine lease area 73.2176 hectares)	2 Lacs MT/A

3. **CONDITIONS UNDER WATER ACT:**

- (i) The daily quantity of trade effluent from the Mine shall be Nil
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 3.6 m³.
- (iii) Trade Effluent Treatment: NA
- (iv) Trade Effluent Disposal: NA
- (v) Sewage Effluent Treatment: The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

(1) Suspended Solids	Not to exceed	100 mg/l.
(2) BOD 3 days 27° C.	Not to exceed	100 mg/l.
- (vi) Sewage Effluent Disposal: The treated domestic effluent shall be used on land for gardening / irrigation purpose only.
- (vii) Non-Hazardous Solid Wastes:

Type of waste	Quantity	Treatment	Disposal
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- (viii) Other conditions: The industry shall monitor effluent quality regularly.

4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and Amended Rules, 2003 there under:

Water consumption for the following categories is as under:

Sr No	Consumption	Quantity
1	Domestic	4.5 CMD
2	Mine Discharge	0.0 CMD
3	Spraying, Workshop, dust Suppression	8.0 CMD
4	Other uses like gardening Etc	0.0 CMD

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

5. **CONDITIONS UNDER AIR ACT:**

- (I) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

(A) Standards for Emissions of Air Pollutants:

- (i) SPM/TPM Not to exceed 150 mg/Nm³

(B) Control Equipment:

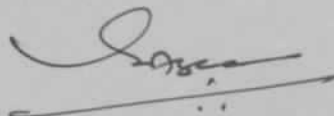
- (i) Raw material handling plant shall be provided with Dust Collector and Automatic Water Sprinkler.
- (ii) Scientific spraying of water on all working area, dump area, stock piles with the help of appropriate dust suppression system.
- (iii) Raw materials & Finished products shall be properly covered during transportation.
- (iv) The applicant shall carry out tree plantation along road side, around dumps or Compulsory a forestation as per proposal approved by Forest Department. The tree plantation programme shall be taken up well in advance of the actual mining activity, so that green belt of sufficient width and height is developed between mining area/road and surrounding environment.
- (v) Overloading of dumpers shall be avoided to prevent spillages.
- (vi) Correct type and quantity of explosive shall be used to avoid excess dust formation and vibration in the surrounding area.
- (vii) The slope of the over burden shall have slope but not more than 28 degree to the horizontal. The overburden shall be properly covered by vegetation for Stabilization.

Crusher Conditions:

1. Dust containment-cum-suppression system for the equipment.
2. Crusher's jaw crushing unit, sieve, conveyor belt and fall of material shall be covered with metal sheets.
3. Growing of green belt along the periphery.
4. Regular cleaning & wetting of the ground within the premises.

- (II) **The applicant shall observe the following fuel pattern:-**

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
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- (III) The applicant shall erect the chimney(s) of the following specifications:-

Stack Attached To		APC System
Sr. No.		
1	Mining and Excavation	Afforestation, water sprinkling system will be provided
2	Crushing & Screening	Dust collector shall provide
3	Loading and Unloading	Water sprinkling system shall provide
4	Transportation of Bauxite	Water Sprinkling, Tarpaulin fully Covered trucks
5	Drilling & Blasting	Dust collector/wet drilling will be provided

The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines. (Concern section shall mention specific control equipments)

- (IV) The applicant shall provide minimum four ambient air quality monitoring stations within mining area (core zone) and buffer zone and should be monitored for SPM, RSPM, SO₂, NO_x, PM10 etc and shall conform to the National Ambient Air Quality Standards prescribed under Air (Prevention and Control of Pollution) Act, 1981 and Environment (Protection) Act, 1986. The records of results of Ambient Air Quality Monitoring shall be made available for inspection to the officers of the Board.
- (V) The applicant shall take adequate measures for control of noise levels from its own Sources as follows:

Sr.No.	Location	Permissible Norms [in dB(a)]	Desired minimum thickness of Green Belt
1	Along road	65 (Commercial Area)	20
2	In Colonies	55 (Residential Area)	20
3	Near Opencast Mines	75 (Industrial Area)	10 (*40)

(* The Open Cast Mine needs to be surrounded by a green belt of sufficient width as per the guidelines of Design Institute Ltd. if the residential complexes are very close).

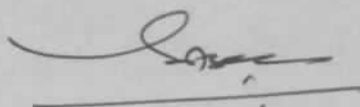
(VI) **Other Conditions:**

Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.

6. CONDITIONS UNDER HW & others (M,H &TM) RULES, 2016:

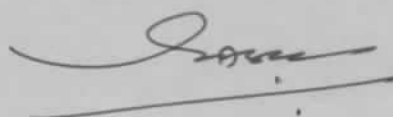
- (i) The applicant shall handle hazardous wastes as specified below:

Sr.No.	Item No. as per Sch-I	Type of Waste	Quantity	Disposal
1	5.1	Used/Spent oil	800 Ltrs/A	Authorized Recycler



7. General conditions:

- (i) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, no. of trees surviving as on 31st March of the year and no. of trees planted by September end.
- (ii) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent. In the absence of same, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- (iii) The applicant shall not change or alter quantity, quality, the rate of discharge, temperature or the mode of the effluent/ emissions or hazardous wastes or control equipments provided for without previous written permission of the Board.
- iv) The firm shall submit MPCB, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30th September every year.
- (v) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants if applicable and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained. The applicant shall also submit a comparative statement of designed power and chemical consumptions vis-a vis actual power and chemical consumption along with Environmental statement.
- (vi) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- (vii) The applicant shall provide facility for collection of environmental samples and samples of trade if applicable and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- (viii) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- (ix) The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants. The project authorities shall work out the feasibility of deploying mechanically closed trucks for transportation.
- 8. The project authorities shall submit an action plan for using closed mineral/metal conveyor belt system in place of truck transportation,
- 9. The project authorities shall identify critical road sections where the dust generated from mineral metal transportation is likely to affect human population and/or agriculture and take up works of making those roads pucca and clean, so as to reduce dust emissions..



10. The project authorities shall install well designed water sprinkling arrangements including fixed and mobile sprayers for dust suppression.
11. The project authorities shall give suitable training to field level mine personnel and truck drivers on environmental protection and pollution control.
12. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
13. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
14. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
15. The industry shall comply with the conditions of Environmental Clearance granted by Ministry of Environment, Forest & Climate Change, Govt. of India, New Delhi vide letter no.J-11015/7/2007-IA,II(M)pt dated 11.4.2013.
16. You shall submit Bank Guarantee of Rs. 1/- Lakh in favour of Regional Officer Raigad within 15 days towards operation & maintenance of pollution control system. The Bank Guarantee shall be valid up to 31.12.2022.
17. Total Capital investment of the Mine is Rs. 3.11/- Crs.
18. Industry shall operate mining activity only after getting clearance/NOC from C.G.W.A. & compliance of the condition mentioned in their NOC.

For and On Behalf of the
Maharashtra Pollution Control Board,

(Dr. V.M.Motghare)
Joint Director (Air Pollution Control)

To,
M/s. Prachi Mines
Vill-Adi M Khadi, Kaivane & Dhariwali
Tal-Mhasala & Shriwardhan
Dist-Raigad

Copy to:

- 1) Regional Officer, MPCB, Raigad
- 2) Sub-Regional Officer, MPCB, Mahad.
- 3) Chief Accounts Officer, MPCB, Mumbai.
- 4) Cess Branch, MPCB.
- 5) Master file.

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	Rs 4,75,000/-	BKIDH 162357651 31	22.8.2016	Bank of India