MAHARASHTRA POLLUTION CONTROL BOARD

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KALPATARU POINT, 3rd Floor, Sion-Matunga Scheme Rd. No.8, Opp. Sion Circle, Sion (East),

Mumbai-400 022.

RED/SSI

Consent No. BO/JD(APC)/EIC No. EIC No.CH-1711-13/E/CC-4262

Date: 15 /05/2015

Consent to Establish under Section 25 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 Wastes (Management, Handling & Transboundry) Rules , 2008.

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

CONSENT is hereby granted to,

M/s. Yuthika Limestone Mine,

(Lessee: Mr.K.L.Garhwal), Kh.No: 103, Vill: Hiwardara, Tal: Wani, Dist: Yavatmal.

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(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 Establish is granted for a period upto Commissioning of the unit or 5-yesrs whichever is earlier.
- 2. The Consent is valid for the activity of Mining over a mining lease area of 20.0 ha

 Sr. No.
 Product

 Maximum Quantity

 60,000 Ton per annum

 (Mining)
- 3. CONDITIONS UNDER WATER ACT:
 - (i) The daily quantity of trade effluent from the factory shall not exceed 1.0 m³. (Including Mine Discharge).
 - (ii) The daily quantity of sewage effluent from the factory shall not exceed 0.50 m³.
 - (iii) **Trade Effluent Treatment:** The applicant shall provide comprehensive treatmentsystem consisting of primary / secondary and/or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

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1)	рН	Between	5.5 to	9.0
2)	Suspended Solids	Not to exceed	100	mg/l.
3)	BOD 3days 27 Deg. C.	Not to exceed	30	mg/l.
4)	Oil & Grease	Not to exceed	10	mg/l.
5)	Total Dissolved Solids	Not to exceed	2100	mg/l.
6)	Chlorides	Not to exceed	600	mg/l.
7)	Sulphate	Not to exceed	1000	mg/l.
8)	Nitrate Nitrogen	Not to exceed	10	mg/l.
9)	Phenolic compunds	Not to exceed	1	mg/l.

- (iv) Trade Effluent Disposal: The treated effluent shall be used for spraying mine pits to the maximum possible extent and excess shall be discharged into local nalla only after achieving above standards. The project authorities shall take proactive initiatives for use of this excess water for agricultural purposes in the vicinity of mine.
- (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.

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- (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
The waste i.e. Over burden shall be disposed for by means of backfilling or
Reclamation of the land.

- (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	1.50 CMD	
2	Mine Discharge	1.0 CMD	
3	Spraying, Workshop, dust Suppression	3.0 CMD	
4	Sand stowing	CMD	
5	Other uses like gardening Etc	CMD	

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) TPM Not to exceed 150 mg/Nm³

(B) Control Equipment:

- (i) Lime stone/shale handling plant will 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) Lime stone/shale 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) Black topped metal led roads shall be provided and well maintained to prevent dust formation.
- (vi) Overloading of dumpers shall be avoided to prevent spillages.
- (vii) Correct type and quantity of explosive shall be used to avoid excess dust formation and vibration in the surrounding area.
- (viii) 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.
- (ix) Lime stone/shale transportation shall be done by installing conveyors wherever possible & mechanically covered closed trucks shall be used for transportation.
- (II) The applicant shall observe the following fuel pattern:-

Sr.No. Type of Fuel Quantity

- (III) The applicant shall erect the chimney(s) of the following specifications:-Sr.No. Chimney attached to Height in Mtrs.
- (IV) The applicant shall provide minimum three ambient air quality monitoring stations within mining area which should be monitored for SPM, RSPM, SO₂, NOx, HC, CO etc. The Annual Arithmetic Mean of minimum 104 measurements in a year taken twice a week 24 hourly at uniform interval 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 continuous monitoring done shall be made available for inspection to the officers of the Board.

- (ix) The applicant shall maintain good house keeping 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 and submit action plan within 3 months.
- 8. 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 in 3 months.
- 9. The project authorities shall install well designed water sprinkling arrangements including fixed and mobile sprayers for dust suppression. The augmentation/ up gradation proposal for dust suppression system shall be submitted in 3 months.
- 10. Industry shall comply with conditions stipulated Environment Clearance granted by Env Dept. GOM, vide No: SEAC2012/CR-222/TC.2, dt: 03/12/2014.
- 11. Industry shall implement mechanical close type transportation system for metal minerals handling trucks.
- 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. Total Capital investment of the Mine is Rs. 5.45/- Lacs.

For and On Behalf of the Maharashtra Pollution Control Board,

(V.M.Motghare)

Joint Director (Air Pollution Control)

To,

M/s. Yuthika Limestone Mine,

(Lessee: Mr.K.L.Garhwal), Kh.No: 103, Vill: Hiwardara,Tal: Wani, Dist: Yavatmal.

Copy to:

- 1) Regional Officer, MPCB, Chandrapur, 2) Sub-Regional Officer, MPCB, Chandrapur.
- 3) Chief Accounts Officer, MPCB, Mumbai.

Received Consent fee of -

Sr. No.	Amount (Rs.)	DD. No.	Date	Drawn On ·
1	1,200/-	874656	10/12/2014	Bank of Maharashtra
2	48,000/-	874654	10/12/2014	Bank of Maharashtra

(Remaining consent Fees shall be considered at the time of consent to operate).

4) Cess Branch, MPCB.

5) Master file.