

MAHARASHTRA POLLUTION CONTROL BOARD

REGIONAL OFFICE KOLHAPUR

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Date: 04/12/2012

Consent No: MPCB/RO/KOP/1621/12

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 Authorization / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2008

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

CONSENT is hereby granted to

M/s Shree Krishna Logistic & Export Pvt. Ltd.,
Gat No.811,812,836,837,843 & 860
At/Post-Watul. Tal-Rajapur, Dist-Ratnagiri.
Maharashtra-India

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 Operate is granted for a period up to - : 31/08/2013
2. The Consent is valid for the manufacture of -

Sr. No	Product Name	Maximum Quantity	UOM
1	Silika Sand Mining & Crushing (Mine Lease area 21.18 Hector Area for excavation 1.78 Hectare Only)	3225	MT/A.

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed Nil.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 2.00M³.
- (iii) Trade Effluent :N.A.
- (iv) Trade Effluent Disposal: N.A.

(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 27o C.	Not to exceed	100	mg/l.

(vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.

(vii) **Non-Hazardous Solid Wastes:**

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
-NA-					

(viii) **Other Conditions:** Industry should 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 amendment Rules, 2003 there under

The daily water consumption for the following categories is as under:

(i)	Domestic	...	0.50 CMD
(ii)	Industrial Processing	...	0.00 CMD
(iii)	Industrial Cooling	...	0.00 CMD
(iv)	Agriculture / Gardening	...	10.00 CMD (For spraying)

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) Control Equipment:

- a] Dust Collector of sufficient capacity shall be installed to i) Crusher, ii) Sieves, iii) Conveyer Belts and at all dust generating locations and operated properly.
- b] Suspended particulate matter measured between 3 meters to 10 meters from any process of stone crushing unit shall not exceed 600 micrograms/m³.
- c] The stone crushing unit shall be closed.
- d] Black topped metalled roads shall be provided within the premise and well maintained to prevent dust information.
- e] Wind Breaking walls shall be constructed.
- f] There shall not be any secondary (fugitive) emissions.
- g] Spraying of water on all working area and hauling roads.

- h) Vehicles shall be properly covered during transpiration/loading/unloading of raw materials as well as finished products.
- i) The applicant shall carry out tree plantation along road sides around dumps or compulsory a forestation as per proposal approved by Forest Dept. 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.
- j) Overloading of dumpers shall be avoided to prevent spillages.
- k) The slope of the over burden shall have slope but not more than 28 degrees to the horizontal. The over burden shall be properly covered by vegetation for stabilization.

B) Standards for Ambient of Air Monitoring (daily):

- (i) SPM Not to exceed 500 mg/Nm³.
- (ii) RSPM Not to exceed 200 mg/Nm³. (Size less than 10 mm)
- (iii) So₂ Not to exceed --- ug/Nm³.
- (iv) NO_x. Not to exceed ----- ug/Nm³.

C) Standards for Emissions of Air Pollutants:

- (i) SPM /TPM Not to exceed 150 mg/Nm³.
- (iii) So₂ Not to exceed --- ug/Nm³.

The applicant shall take adequate measures for control of noise level from its own sources as follows.

Sr.No.	Locations	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 Open Caste Mines	75 (Industrial area)	10 (*40)
4	Near LHSPs	75	30
5	Near Shaft	75	20
6	Near Mine exhaust fan	75	50

(The Cast Mine needs to be surrounded by a green belt of sufficient width as per the guidelines.)

6 . Conditions for D.G. Set :

- a. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- b. Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.

- c. The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
- d. Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- e. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- f. A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
- g. D.G. Set shall be operated only in case of power failure
- h. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set

7. Standards for Stack Emissions:

- (i) **The applicant shall observe the following fuel pattern:- N.A.**

Sr. No.	Type Of Fuel	Quantity	UOM
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- (ii) **The applicant shall erect the chimney(s) of the following specifications:- N.A.**

Sr. No.	Chimney Attached To	Height in Mtrs.
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- (iii) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

- (iv) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.

(vi) **Other Conditions:**

- 1) The industry should not cause any nuisance in surrounding area.
- 2) The industry should monitor stack emissions and ambient air quality Regularly
- 3) A separate environmental monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.
- 4) If due to any technological improvements or otherwise this Board opines that all or any of the conditions referred above require variation (including the change of any control equipment either in whole or in part) this Board shall after giving the application an opportunity of being heard very all or any of such conditions and thereupon the applicant shall be bound to copy with the conditions so varied.

6. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008:

(i) The Industry shall handle hazardous wastes as specified below. N.A.

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	5.1 used Oil/Spent oil		10 Ltrs/D.	Sale to MPCB Authorized Recycler/reprocessors.

(ii) Treatment: - NIL

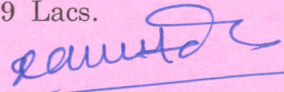
1. The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.
2. The industry should comply with the Hazardous Waste (M&H) Rules, 2008.

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.

7. Industry shall comply with following additional conditions:

- i. 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.
- ii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.
- iii. Solid waste – The non hazardous solid waste arising in the factory premises, sweepings, etc., be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal to dumping ground.
- iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- v. 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.
- vi. The applicant shall provide facility for collection of environmental samples and samples of trade 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.
- vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. The firm shall submit to this office, the 30th day of September every year, 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.

- ix. As inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- x. The applicant shall install a separate electric meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- xi. 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.
- xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- xiii. The project authority shall give suitable training to field level mine personnel and truck drivers on environmental protection and pollution control.
- xiv. This consent is issued subject to the compliance of G.R. issued by Govt. Dept. Government of Maharashtra vide dated 02/01/2009. The industry shall carry out study of carrying capacity in respect of Air & Water Pollution within 3 months of issue of this consent.
- xv. The Board reverse the right to amend or add any condition in this consent and same shall be binding on the applicant.
- xvi. The applicant shall comply with the provisions of the Environmental Clearance granted by MoEf GOI vide letter No.J-11015/196/2007-IA.II(M) dtd. 18.02.2008 and submit copy of amendment obtained from the MoEf GOI for change in name above letter in the Board within consented project.
- xvii. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the applicant.
- xviii. The total capacity of the silica sand mining at Watul, Tal. Rajapur Dist- Ratnagiri will be 3225 Tons per Annum.
- xix. The Capital investment of the industry is Rs. 13.09 Lacs.


(Suryakant S. Doke)
Regional Officer Kolhapur

To,
M/s Shri Krishna Logistic & Export Pvt. Ltd.,
Gat No.811,812,836,837,843 & 860
At/Post-Watul. Tal-Rajapur, Dist-Ratnagiri.
Maharashtra-India

Copy submitted to:

1. The Member Secretary, MPC Board, Mumbai.
2. The Chief Accounts Officer, MPC Board, Mumbai.
3. The Sub Regional Officer, MPC Board, Ratnagiri.
4. Cess wing/Statistical wing/Air wing/Hazardous Management wing, MPC Board, Mumbai.

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	1500/-	110972	07-08-2012	Corporation Bank Ltd.