

MAHARASHTRA POLLUTION CONTROL BOARD

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EIC No. MU3375/11

Infrastructure/Orange/L.S.I

Consent No. BO/RO(HQ)/CO/CAC-366

Date 29/March/2011

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

.....
CONSENT is hereby granted to

M/s Ariisto Shelters Private Limited
New CTS No. 619/A, 619/B, 619/C
Mumbai Suburban, Maharashtra
Mumbai-400007,

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. Consent to Establish is valid up to Commissioning of the Project or 5 years whichever is earlier.
2. The Consent is valid –

For development of land/plot as new construction activities for construction of residential project names as **Ariisto Shelters Private Limited** at New CTS No.619/A, B.C Which were Old, CTS Nos.619/A,B, 620/A,B, 621/A,B,C, 622/A,B,623/A,A2,B of Village Mahul. Mumbai-400007 on total plot area of 89,061.00 Sq mtrs and total Built up area of 2,32,692.63 Sq mtrs and total construction area of 6,71,868.80 Sq mtrs including utilities for development of project and services as per construction commencement certificate issued by local body.

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed **0.00M³**.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed **4948.00M³**.
- (iii) **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	pH	Not to exceed	6.5 to 9.0
3	Suspended Solids	Not to exceed	100 mg/l.
4	BOD 3 Days 27 degree C	Not to exceed	100 mg/l.
5	Fecal Coliform	Not to exceed	500/100/1 mg/l.
6	Residual Chlorine	Not to exceed	01 mg/l.
7	Detergent	Not to exceed	01 mg/l.
8	Floating matters	Not to exceed	10 mg/l

- (vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be 80% recycled and reused for flushing, fire fighting, cooling of Air conditioners etc. In no case, effluent shall find its way to any water body directly/indirectly at any time

Project proponent shall operate STP for five years from the date of obtaining Occupation Certificate.

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

Sr. N	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Dry Garbage	5645.00	Kg/Day	Segregation	Authorised Recycler
2	Wet Garbage	12349.00	Kg/Day	Bio Composting	Mannure

(viii) **Other Conditions (during Construction Phase):**

- All activities shall be in resonance with the provisions of Indian Forest Act, 1927 (16 of 1927), Forest (Conservation) Act, 1980 (69 of 1980) and Wildlife (Protection) Act, 1972 (53 of 1972), and special notification published for area wherever applicable and all the Environmental Statutes and Instruments.
- This Consent to Establish is issued only for New Construction/Developing Construction Project purposes.
- No quarrying activities shall be commenced in the area unless appropriate permissions are obtained for a limited quarrying material required for construction of local residential housing and traditional road maintenance work, provided that such quarrying is not done on Forest Lands and the material is not exported to the outside area.
- There shall be no felling of trees whether on Forest, Government, Revenue or Private lands except as per prevailing Rules.
- Extraction of Groundwater for the project shall require prior permission of the State Ground Water Authority or other relevant authorities, as applicable.
- Near the activities that are related to water (like activity of water parks, water sports) and/or in the vicinity of lake, Dissolved Oxygen shall not be less than 5 mg/liter.
- In order to ensure that the water from this project do not enter into outside environment, the nallas crossing the township/complex premises, shall be lined, covered and made water tight by the applicant within the premises with intermittent inspection of chambers following good engineering practices as per the regulations of local body.
- The Applicant shall prepare management plan for water harvesting, roof-water reclamation, water/storm water conservation and implement the same before handing over of complex for occupation.
- Applicant shall provide fixtures for showers, toilet, flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- The Applicant shall draw plans for the segregation of solid wastes into biodegradable and non-biodegradable components. The biodegradable material shall be recycled through scientific in-house composting (i.e vermi-composting facility within premises) with the approval of local body. The proper demarked area shall be identified for collection & storage of MSW properly which, shall be finally disposed off at approved Municipal Solid Waste landfill site of local body environmentally acceptable location and method. It is clarified that the term solid waste includes domestic, commercial, and garden wastes, but does not include hazardous and bio-medical wastes. The activities of bio-composting and engineered landfill shall be as per the Municipal Solid Waste (M&H) Rules, 2000
- Applicant shall be responsible to take adequate precautionary measures as detailed in this consent.
- The applicant/generator shall be responsible for safe and scientific collection, transportation, treatment and disposal of Bio-Medical Waste as per the provisions made under the Bio-Medical Waste (Management & Handling) Rules, 1998. Any activity as defined under BMW (M & H) Rules has to obtain a separate Authorization from Maharashtra Pollution Control Board.
- For disinfections of waste water ultra violet radiation shall be used in place of chlorination.
- Vehicles hired for construction activities should be operated only during non peak hours.

15. Ready mixed concrete used in building construction should apply separately for consent from the Board.
16. applicant, during the construction stage shall provide
 - a. Septic tank and soak pit of adequate capacity for the domestic effluent generated due to workers residing at site.
 - b. Proper loading and unloading of construction material, excavated material and its proper disposal as per MSW (M&H) Rules 2000.
 - c. Cutting of trees is not permitted, however in unavoidable conditions necessary permission from the local body shall be obtained.
 - d. Green belt of 33% of the open space shall be developed.
17. E-Waste shall be disposed to authorized re processor.

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	...	5299.00 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	...	0.00 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	0.00 CMD
(iv) Industrial Cooling, spraying	...	0.00CMD

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 (Prevention & Control of Pollution) ACT, 1981:

- (i) The Applicant shall not install any diesel generating sets.

The following measures shall be taken:

- a. Adequate mitigation measures shall be taken to control emissions of SO₂, NO_x, SPM, and RSPM.
- b. Applicant shall achieve following Ambient Air Quality standards.

1.	SPM Not to Exceed (Annual Average)	140	µg/ m ³
	Not to Exceed (24 hours)	200	µg/ m ³
2.	SO ₂ Not to Exceed (Annual Average)	60	µg/ m ³
	Not to Exceed (24 hours)	80	µg/ m ³
3.	NO _x Not to Exceed (Annual Average)	60	µg/ m ³
	Not to Exceed (24 hours)	80	µg/ m ³
4.	RSPM Not to Exceed (Annual Average)	60	µg/ m ³
	Not to Exceed (24 hours)	100	µg/ m ³

(ii) Other Condition

- a) Water spraying shall be done on ground to avoid fugitive emissions.
- b) Construction material shall be carried in enclosed vehicles during construction activities.

(iii) Conditions for Utilities like Kitchen, Eating Places etc:

1. The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
2. The toilet shall be provided with exhaust system connected to chimney through ducting.
3. The air conditioner shall be vibration proof and the noise shall not exceed 68 dB (A).
4. The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such way that no nuisance is caused to neighbors.

- (iv) The Applicant shall take adequate measures for control of noise levels from its own sources within the complex (residential cum Commercial) in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Daytime is reckoned as between 6 a.m. to 10 p.m. and Nighttime is reckoned between 10 p.m. to 6 a.m.
- (v) Construction equipments generating noise of less than 65/90 db(A) are permitted.
- (vi) No construction work is permitted during night time.

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

The Industry shall not generate any hazardous wastes.

7. The applicant shall certify that the bricks used in construction are manufactured using the ash from Thermal Power stations if it is within a radius of 100 km. from Thermal Power Plant and submit the names of bricks manufacturer. The applicant shall use fly ash based material/products as per the provisions of fly ash Notification of 14.09.1999 and as amended on 27.08.2003.
8. **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.**
9. The applicant shall adopt environment friendly technology in development of the project.
10. The applicant shall take the proper remediation measures to ensure that the ground water and soil contamination is prevented and follow due diligence at the construction stage.
11. Energy conservation measures like installation of solar panels for lighting the area outside the building should be integrated part of the project design.
12. **The applicant shall comply with the conditions stipulated in the Environmental Clearance granted by Env. Dept. Govt. Of Maharashtra, vide No.SEAC-2010/CR.692/TC.2 dt. 26/12/2011.**
13. This consent shall not be construed as exemption from obtaining necessary NOC from any other Government agencies as may deemed fit necessary.
14. **The applicant shall submit a Bank Guarantee of Rs.10,00,000/- (Rupees five lacs only) for compliance of consent conditions.**
15. **This is issued with the approval of Consent Appraisal Committee of the Board in its meeting held on 20th March 2012.**
17. **The Capital investment of the project is Rs. 187981 Lacs**


(Milind Mhaiskar, IAS)
Member Secretary

To,
M/s Ariisto Shelters Private Limited
New CTS No. 619/A, 619/B, 619/C of Viillage Mahul,
Mumbai -400007

Copy to:

- a. RO- Mumbai /SRO-Mumbai-III
b. CAO/Cess Branch/Master File

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	3759720	048682	28 Jan 2012	Bank of India