

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai- 400 022.

Red/LSI EIC-MU-2861-11

Consent No.MPCB(HQ)/AS(T)/Mumbai/Establish/CC- 49

Date: 3 / 12/2011.

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 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 & TM) Rules respectively].

CONSENT is hereby granted to

M/s. Timestar Developers Pvt. Ltd.,
"Star Category Residential Hotel" Project- Samhita
CTS No. 782/A of village mohili, Samhita Indl. Estate,
Andheri Kurla Road, Sakinaka, Kurla(W), Mumbai

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M,H&T) 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 up to:
Commissioning of the Unit or five years which ever is earlier.
For development of land/plot as construction activities for hotel activity named as **M/s. Timestar Developers Pvt. Ltd., "Star Category Residential Hotel" Project- Samhita**, CTS No. 782/A of village mohili, Samhita Indl. Estate, Andheri Kurla Road, Sakinaka, Kurla(W), Mumbai with 225 rooms on total plot area of 4480.80 sq mtrs, total permissible built up area of 12759.49 sq. mtrs. and total construction built up area of 26413.80 sq. mtrs including utilities and services such as hotel project as per construction commencement certificate issued by local body.
"Consent to Establish will be operational only after obtaining Environmental Clearance from competent authority by the applicant and subject to the compliance of conditions stipulated in an Environmental Clearance including conditions which may be more stringent, if stipulated by/in the Environmental Clearance."
2. **CONDITIONS UNDER WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974:**
 - A) **Construction Phase**
 - (i) The daily quantity of trade effluent from the Hotel shall not exceed NIL.
 - (ii) The daily quantity of sewage effluent from the Hotel shall not exceed 8 M³.
 - B) **Operational Phase**
 - (i) The daily quantity of trade & sewage effluent from the Hotel shall not exceed 310 M³.
 - (ii) **Trade & Sewage Effluent:**
Treatment: The applicant shall provide comprehensive treatment system 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:

		Between	5.5 to 9.0	
1)	pH			
2)	Suspended Solids	Not to exceed	100	mg/l.
3)	BOD 3 days 27 Deg. C.	Not to exceed	100	mg/l.
4)	Oil & Grease	Not to exceed	10	mg/l.
5)	Fecal Coliform	Not to exceed	500/100	ml.
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.

- (iv) **Trade & Sewage Effluent Disposal:** The treated domestic effluent shall be 80% recycled and reused for flushing, fire fighting and cooling of air conditioners and remaining shall be discharged to Municipal Sewer. In no case, effluent shall find its way to any water body directly/indirectly at any time.

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

<u>Sr. No</u>	<u>Type of waste</u>	<u>Quantity</u>	<u>Treatment & Disposal</u>
1.	Bio-degradable waste	408 Kg/Day	Manure
2.	Non-biodegradable waste	272 Kg/Day	Landfill
3.	STP Sludge	31 Kg/Day	Manure

- (vi) **Other conditions:**

- The Applicant shall segregate of solid wastes into biodegradable and non-biodegradable components. The biodegradable material shall be recycled through scientific in-house composting with the approval of local body and the inorganic material shall be 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 land fill 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
 - Swimming Pool & STP shall be provided with Ozone generator technologies, Ozone treatment facilities and shall discontinue the use of chlorine for disinfection purpose.**
 - 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 rain-water harvesting, roof-water reclamation, water/storm water conservation and implement the same before occupation of complex.**
 - Vehicles hired for construction activities should be operated only during non peak hours.
 - Ready mixed concrete used in building construction should apply separately for consent from the Board.
 - The applicant, during the construction stage shall provide
 - Septic tank and soak pit of adequate capacity for the domestic effluent generated due to workers residing at site.
 - Proper loading and unloading of construction material, excavated material and its proper disposal as per MSW (M&H) Rules 2000.
 - Cutting of trees is not permitted, however in unavoidable conditions necessary permission from the local body shall be obtained.
 - Green belt of 33% of the open space shall be developed excluding lawns.
4. The applicant shall comply with the provisions of the **Water (Prevention & Control of Pollution) Cess Act, 1977 as amended in 2003** (to be referred as Cess Act) and Rules thereunder:
The daily water consumption for the following categories is as under:
- | | | | |
|----------------------------|-----|-----|-----|
| A) Construction Phase | | | |
| (i) Domestic | ... | 10 | CMD |
| (ii) Construction activity | ... | 20 | CMD |
| B) Operation Phase | | | |
| (i) Domestic | ... | 341 | CMD |
| (ii) Flushing | ... | 45 | CMD |
| (iii) Gardening | ... | 7 | CMD |
| (iv) HVAC water make-up | ... | 69 | CMD |

(v) Swimming pool water make-up

20 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 which is also available on MPCB website at <http://mpcb.mah.nic.in/images/cessform1.pdf>

5. CONDITIONS UNDER AIR (PREVENTION & CONTROL OF POLLUTION) ACT, 1981:

(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:-** The firm shall provide the following equipments to control air pollution

- The kitchen shall be provided with Exhaust System with O.I catcher connected to chimney through ducting.
- The air conditioner shall be vibration proof and noise level shall not exceed 68 dBA.

B) **Conditions for D.G. Set :-**

- Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- 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 metres from acoustic enclosure/room and then average.
- 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.
- 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.
- Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- 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.
- D.G. Set shall be operated only in case of power failure.
- The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

C) **Standards for Emissions of Air Pollutants :**

(i)	SPM/TPM	Not to exceed	150	mg/Nm ³
(ii)	SO ₂	Not to exceed	0.063	Kg/day.

The following measure shall be taken.

- Adequate mitigation measures shall be taken to control emissions of SO₂, NO_x, SPM, RSPM.
- 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) The applicant shall observe the following fuel pattern :-

Sr.No.	Type of Fuel	Quantity
1.	Diesel	20 lit./hr

(iii) The applicant shall erect the chimney(s) of the following specifications :-

Sr.No.	Chimney attached to	Height in Mtrs.
1.	DG Set (300 KVA)	3.5*

(* above the height of building where the DG set is installed)

- (iv) 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.
- (v) 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 applicant should not cause any nuisance in surrounding area.
 - 2) The applicant should monitor stack emissions and ambient air quality regularly.

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

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

Sl.	Item No. of process generating HW as per Schedule-I	Type of Waste	Quantity	Disposal
1.	5.1	Used / Spent Oil	8-10 Lit/month	Sale to authorized reprocessor
2.	33.3	Discarded containers / barrels/liners	1 no/month	Sale to authorized reprocessor

(ii) The authorization is hereby granted to operate a facility for collection, storage, transport and disposal of hazardous waste.

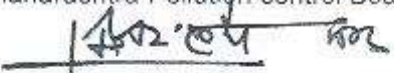
7. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate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

8. General Conditions :

- (i) 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.
- (ii) 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, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- (iii) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the 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 and conditions of this consent regarding pollution levels.
- (iv) The applicant shall not change or alter the 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.
- (v) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- (vi) 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 per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- (vii) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- (viii) The applicant shall install a separate 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.

- (ix) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the Hotel premises.
9. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the project.
10. The applicant shall not take any effective steps towards implementation of the project before obtaining Environmental Clearance as per EIA notification 2006 and amendments thereto. If any non-compliance of the conditions of consent to Establish observed, the Board will initiate appropriate legal action including forfeiture of bank guarantee, revocation of consent & further action.
11. The applicant shall not take any effective steps towards implementation of the project before obtaining NOC from MMRDA/competent authority for carrying out development activity adjacent to Mithi River.
12. The applicant shall adopt environment friendly technology in development of the project.
13. 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.
14. This consent should not be construed as exemption from obtaining necessary NOC from any other Government agencies as may deemed fit necessary.
15. Energy conservation measures like installation solar panels for lighting the area outside the building should be integrated part of the project design.
16. The Hotel authorities shall not carry out expansion of the Hotel without prior permission of the Board.
17. This consent is issued pursuant to the decision of Consent Committee Meeting held on 28.11.2011 of the Board.
18. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
19. The capital investment of the hotel industry is ₹ 43.23 Crs.

For and on behalf of the
Maharashtra Pollution control Board


(Milind Mhaikar, IAS)
Member Secretary

To,
M/s. Timestar Developers Pvt. Ltd.,
'Laalasis', Plot No. 219, 11th Road,
Chembur, Mumbai - 400 071

Copy to: RO-Mumbai/ SRO-Mumbai-II / CAO / Cess Branch / Master File

Received Consent fee of -	Amount	D.D.No.	Date	Drawn on
	Rs. 50,000/-	083036	06/09/2011	Axis Bank
	Rs. 100/-	083031	06/09/2011	Axis Bank
	Rs. 25,000/-	084658	22/10/2011	Axis Bank