

MAHARASHTRA POLLUTION CONTROL BOARD

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Sion Circle, Sion (E),
Mumbai - 400 022

Red/L.S.I

Date: 22/11/2012

Consent No: BO/JD-PAMS/EIC No. MU-3136-11/CC-710

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 & Trans boundary Movement) Rules 2008

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

.....
CONSENT is hereby granted to

M/s. Asian Paints Ltd
LBS Marg, Bhandup (W), Mumbai-400 078

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:28/02/2015 .
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Paints	30150	MT/A
2	Resin / Emulsion Resin	11880	MT/A

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 52.0 M³.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 98.0 M³.

(iii) Trade 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:

1	pH	Between	5.5 to 9.0
2	Suspended Solids	Not to exceed	100 mg/l.
3	Oil & Grease	Not to exceed	10 mg/l
4	BOD 3 days 27 Deg. C	Not to exceed	100 mg/l.
5	COD	Not to exceed	250 mg/l.
6	Phenolic Compound	Not to exceed	1 mg/l.
7	Nickel (as Ni)	Not to exceed	3.0 mg/l
8	Zinc (as Zn)	Not to exceed	5.0 mg/l
9	Lead (as Pb)	Not to exceed	0.1 mg/l.
10	Copper (as Cu)	Not to exceed	3.0 mg/l.
11	Chromium	Not to exceed	0.1 mg/l.
12	Total Heavy Metal	Not to exceed	7 mg/l.
13	Total Dissolved Solids	Not to exceed	2500 mg/l.

- (iv) **Trade Effluent Disposal:** The treated industrial effluent shall be used on land for gardening / plantation within own premises only. During rainy season the treated effluent may be disposed off in MCGM nalla.
- (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 Waste	Quantity	UOM	Treatment	Disposal
--	--	NIL	-	--	--

- (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 purpose | ... | 110.00 | CMD |
| (ii) | Water gets Polluted & Pollutants are Biodegradable | ... | 85.00 | CMD |
| (iii) | Water gets Polluted, Pollutants are not Biodegradable & Toxic | ... | 0.00 | CMD |
| (iv) | Industrial Cooling, spraying in mine pits or boiler feed | ... | 52.00 | CMD |
| v | gardening | ... | 19.0 | 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. Control Equipment:

Industry shall provide dust collector & scrubber of sufficient capacity to control the emissions.

b. Standards for Emissions of Air Pollutants :

(i)	SPM/TPM	Not to exceed	150.0 mg/Nm ³
(ii)	SO ₂	Not to exceed	153 Kg/Day.
(iii)	NO _x	Not to exceed	350ppm

c. 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 75 dB(A) during day time and 70 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

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	Furnace Oil	42.00	MT/M
2	P N G	2500.00	SCMD (average)
3	HSD	17.50	MT/M

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Thermic Fluid Heater (TP-10A)	33.80
2	DG Set (GEN V)	20.00
3	DG Set 750 KVA	20.00
4	DG Set (EMG)	20.00
5	Thermic Fluid Heater (TP-10B)	33.80
6	Thermic Fluid Heater (TP-10C)	33.80
7	Thermic Fluid Heater (TP-10ED)	33.80
8	Boiler (Revomax No.2)	30.75
9	Boiler (Revomax No.1)	31.39
10	DG Set (GEN IV)	20.00
11	Incinerator	30.00

(V) Standards for Incinerator:-

Parameter	Standard	
A. Emission		
	Limiting Conc. In mg/NM ³ Unless stated	Sampling Duration in (minutes) unless stated
Particulate matter	50	30
HCL	50	30
SO ₂	200	30
CO	100	30
	50	24 Hours
Total Organic Carbon	20	30
HF	4	30
NO _x (NO and NO ₂ expressed as NO ₂)	400	30
Total dioxins and furans	0.1 ng TEQ/NM ³	8 Hours
Cd+Th+their compounds	0.05	2 Hours
Hg and its compounds	0.05	2 Hours
Sb+As+Pb+Co+Cr+Cu+Mn+Ni+V+Their Compounds	0.50	2 Hours
NOTES:		
i) All monitored values shall be corrected to 11% oxygen on dry basis.		
ii) The CO ₂ conc. In tail gas shall not be less than 7%.		
iii) In case, halogenated organic waste is less than 1% by weight in input waste, all the facilities in twin chamber incinerators shall be designed to achieve a minimum temperature of 950 degree C in secondary combustion chamber and with a gas residence time in secondary combustion chamber not less than 2 (two) seconds.		
iv) In case halogenated organic waste is more than 1% by weight in input waste, waste shall be incinerated only in twin chamber incinerators and all the facilities shall be designed to achieve a minimum temperature of 1100 degree C in secondary combustion chamber with a gas residence time in secondary combustion chamber not less than 2 (two) seconds.		

- v) Incineration plants shall be operated (combustion chambers) with such temperature, retention time and turbulence, as to achieve Total Organic Carbon (TOC) contents in the slag and bottom ashes less than 3% or their loss on ignition is less than 5% of the dry weight.

(vi) The industry should carry out VOC analysis on regular basis & submit its report to HQ under copy to RO, Mumbai & SRO, Mumbai.

(vii) The applicant should provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same chimney(s) vents attached to various sources of emission should be designated by numbers such as S-1, S-2 etc. and these should be painted/displayed to facilities identification.

(viii) The industry should 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.

(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.

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

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

Sr. No.	Type Of Waste	Maximum Quantity Per Annum	Disposal
1	3.1 Oil containing washing water and sludge	2 Tonne	Incineration
2	3.3 Sludge and filters contaminated with Oil	1 Tonne	Incineration
3	5.1 Used / Spent oil	51.3 Tonne	To authorized party for recycling
4	20.1	270 Tonne	To authorized party for

	Contaminated aromatic, aliphatic or naphthenic solvents, may or may not be fit for reuse		recycling
5	20.3 Distillation Residues	70 Tonne	Incineration
6	21.1 Process waste	60 Tonne	Incineration/CHWTSD F
7	23.1 Waste/residue	27 Tonne	Incineration/CHWTSD F
8	23.1 Waste/residues such as filter aids	33 tonne	Incineration/CHWTSD F
9	33.1 Chemical containing residue from decontamination	10 Tonne	CHWTSD/Incineration
10	33.3 Discarded Metal, plastic containers and carbons contaminated with raw materials	53.5 Tonne	Sale to authorized recycler after decontamination/Incineration
11	33.3 Empty metal, plastic and paper containers contaminated with raw materials	50000 Numbers	Sale to authorized recycler after decontamination
12	34.1 Flue gas cleaning residue	1.28 Tonne	Incineration
13	34.2 Spent Ion exchange resin containing toxic metals	2.1 Tonne	CHWTSD
14	34.3 & 33.2 Chemical sludge from waste treatment (dry basis)	190 Tonne	Incineration/CHWTSD F
15	34.4 Oil & grease skimming residue	7 Tonne	Incineration
16	36.2 Ash from Incinerator of Hazardous waste, flue gas cleaning residue.	38 Tonne	Sale to Brick Manufacturers/CHWTSD SDF
17	Class A Lead Acid Batteries	23 Numbers	Return back to Supplier
18	35.3 Spent carbon	1.5 Tonne	Return back to Supplier for regeneration/Incineration

(ii) Treatment: - NIL

- a. 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.

- b. The unit has to display and maintain the data online outside the factory main gate in Marathi & English both on a 6'x4' display board in the manner and the report of the compliance along with photograph shall be submitted to this office & concerned Regional Office/ Sub Regional Office.
- c. It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous Waste (Management & Handling) Rules, 1989 as amended on 2003 and shown & submitted to the Board as & when asked for.

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.
8. This is issued pursuant to the decision of consent committee meeting of the Board held on dt. 28/09/2012 and with approval of Honorable Chairman of the Board.
9. The Capital investment of the industry is Rs. 63.41/-Crs.

(Rajeev Kumar Mital)
Member Secretary

To,
M/s. Asian Paints Ltd
LBS Marg, Bhandup (W), Mumbai-400 078

Copy to:

- 1) Regional Officer/Sub-Regional Officer, MPCB, Mumbai-They are directed to ensure the compliance of consent conditions..
- 3) Chief Accounts Officer, MPCB, Mumbai

Received Consent fee of-

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	100	412774	29 Nov 2011	SBI
2	300000	645636	29 Nov 2011	HDFC Bank
3	25000	41929	22 Oct 2012	SBI