

MAHARASHTRA POLLUTION CONTROL BOARD

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Consent order No :- Format1.0/BO/CAC-cell/EIC no.RD-3163-15/CO/CAC-9188

Date- 18/07/2016

To,
M/s. Dighi Oil Storage Pvt Ltd.,
Dighi Port, A/p-Dighi, Tal-Shriwardhan, Dist-Raigad.

Subject: Consent to Establish for storage and handling of "Class A, B & C chemicals, POL Products, Chemicals and non-hazardous liquids like edible oil etc under RED category.

Ref :

1. Your application approved in 15th CAC meeting of 2015-2016 held on 09.03.2016

Your application CE1509000774

Dated: 11.09.2015

For: Consent to Establish for storage and handling of "Class A, B & C chemicals, POL Products, Chemicals and non-hazardous liquids like edible oil etc 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 (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent to Establish is granted for a period upto: Commissioning of the Unit or 5 years whichever is earlier.
2. The Proposed capital investment of the industry is Rs. 106.3 crs. (As per documents submitted by applicant)
3. The Consent to Establish is valid for following activity:

Sr. No.	Activity	Maximum quantity
1	Storage and handling of "Class A, B & C chemicals, POL Products, Chemicals and non-hazardous liquids like edible oil etc. (which should not attract provision of EIA Notification, 2006 as amended, i.e. storage quantity should be less than the threshold planning quantity indicated in column 3 of Schedule 2 & 3 of MSIHC Rules 1989 amended 2000)"	Total proposed Capacity 2,23,826 KL. Total Proposed number of tanks 57.

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	1.25	As per Schedule -I	Shall be used on land for gardening / plantation.
2.	Domestic effluent	3.75	As per Schedule -I	The treated effluent shall be recycled up to maximum extent and remaining shall be used on land for gardening purpose within factory

				premises only
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5. Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	D.G. Set (62.5 KVA)	1	As per Schedule –II
2	D.G. Set (500 KVA)	1	As per Schedule –II
3	Firefighting engine (4 nos)	4	As per Schedule –II

6. Conditions about Non Hazardous Wastes:

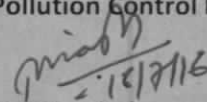
Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
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7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Chemical sludge from waste water treatment	33.3		MT/Annum	--	CHWTSDF

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. Industry shall comply with the provisions of GSR 186 (E) dtd 18.3.2008 and GSR 820 (E) dtd. 09.11.2012.
11. PP shall comply conditions of EC granted to M/s. Dighi Port Limited vide 10-8/2005-IA-III dtd. 30.09.2005 and dtd. 26.12.2005.
12. The company shall display at prominent location, name of chemical being stored in each tank.
13. Industry shall comply with the provisions of MSIHC Rules, 1989 as amended thereafter.
14. The smooth & safe operation of the tankage and pipelines shall be ensured by incorporating a computerized SCADA (Supervisory Control and Data Acquisition) system coupled with vigilance squad to physically check the pipelines for leakage. If, any leakage in the pipeline is detected the product pumping shall be immediately suspended. Necessary precautions for cordoning the affected area shall be taken and use of leaking pipeline shall be discontinued.
15. The offsite emergency preparedness plan prepared by industry shall have scenario for pipeline leakage, spillage during transfer and handling of petroleum from Jetty to the site as also during movement of tanker to client's site. Industry shall intimate MPCB immediately along with other agencies concerned incase of such leakage /spillage.
16. The industry shall provide facilities for containing spills during tank/tanker filling operations and in no case shall such spills enter into nearby storm drains.
17. This consent is issued in pursuance to the letter issued by Maharashtra Maritime Board vide MMB/Planning-1/Dighi/2037 dated 30.06.2016 regarding distance of project site is more than 200 mtrs from HTL.

For and on behalf of the
Maharashtra Pollution Control Board

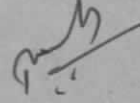

(P.K. Mirashe)
Member Secretary

Received Consent fee of –

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	75,100/-	000184	02.09.2015	HDFC Bank
2	1,37,600/-	000185	04.09.2015	HDFC Bank

Copy to:

1. Regional Officer, MPCB, Raigad and Sub-Regional Officer, MPCB, Mahad: They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.



Schedule-I

Terms & conditions for compliance of Water Pollution Control:

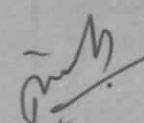
- 1) A] As per your application, you have proposed to provide septic tank and soak pit for treatment of domestic effluent.
- B] The Applicant shall operate the septic tank and soak pit to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards prescribed by Board
01	BOD (3 days 27°C)	100
02	Suspended Solids	100

- C] 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.
- 2) As per your application, you have proposed to provide Effluent Treatment Plant (ETP) of Capacity 20 CMD.
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
01	pH	6.5-8.5
02	Oil & Grease	10
03	BOD (3 days 27°C)	100
04	Total Dissolved Solids	2100
05	Suspended Solids	100
06	COD	250
07	Chloride	600
08	Sulphate	1000

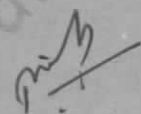
- C) The treated effluent shall be recycled up to maximum extent and remaining shall be used on land for gardening purpose within factory premises only. In no case, effluent shall find its way for outside factory premises.
- 3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.
- 4) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.



- 5) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	--
2.	Domestic purpose	5
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	2
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	--
5.	Gardening	--

- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.



Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have proposed to install the Air pollution control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern -

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type Of Fuel	Quantity	S%
1	D.G. Set (62.5 KVA)	Acoustic enclosure	1.6*	HSD	@ 0.21 liters/hr/KVA at full load.	1
2	D.G. Set (500 KVA)	Acoustic enclosure	4.5*	HSD	@ 0.21 liters/hr/KVA at full load.	1
3	Firefighting engine (4 nos)	--		HSD		1

* Above roof of the building in which it is installed.

2. The Industry shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement alteration well before its life come to an end or erection of new pollution control equipment.
3. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
4. As per GSR 820 (E) dtd. 09.11.2012 industry shall comply following:

Standards for Fugitive Emission: Storage of Volatile Liquids : General Petrochemical / Petroleum Products.

- (1) Storage tanks with capacity between 4 to 75m³ and total vapour Pressure (TVP) of more than 10 kpa should have Fixed Roof Tank (FRT) with pressure valve vent.
- (2) Storage tanks with capacity between 75 to 500m³ and total vapour pressure (TVP) of 10 to 76 kpa should have internal floating roof or external floating roof or fixed roof with vapour control or vapour balancing system.
- (3) Storage tanks with the capacity of more than 500m³ and total vapour pressure (TVP) of 10 to 76 kpa should have internal floating roof or external floating roof or fixed roof with vapour control system.
- (4) The tanks with the capacity of more than 75 m³ and total vapour pressure (TVP) of more than 76 kpa should have fixed roof with vapor control system.
- (5) Requirement for seals in Floating Roof Tanks –
 - (i) (a) Internal Floating Roof Tank (IFRT) and External Floating Roof Tank (EFRT) shall be provided double seals with minimum vapor recovery of 96%.
 - (b) Primary seal shall be liquid or shoe mounted for EFRT and vapour mounted for IFRT. Maximum seal gap width will be 4 cm and maximum gap area will be 200 cm²/m of tank diameter.
 - (c) Secondary seal shall be rim mounted, Maximum seal gap width will be 1.3 cm and maximum gap area will be 20 cm²/m of tank diameter.
 - (d) Material of seal and construction shall ensure high performance and durability.
 - (ii) Fixed roof tanks shall have vapour control efficiency of 95% and vapour balancing efficiency of 90%.
 - (iii) (a) inspection and maintenance of storage tanks shall be carried out under

- strict control;
- (b) for the inspection, API RP 575 may be adopted;
 - (c) In-service inspection with regard seal gap should be carried out once in every six months and repair to be implemented in short time; and
 - (d) the possibility of on-stream repair of both shall be examined.

(iv) Storage tanks shall be painted with white colour shade, except for derogation of visually sensitive area.

Emission control for Road tank, truck loading:

Loading of Volatile Products	Naphtha :	
	(i) VOC reduction , %	(i) ≥ 99.5
	or	or
	(ii) Emission, gm/ m ³	(ii) ≤ 5
	Toluene / Xylene :	
	(i) VOC reduction , %	(i) ≥ 99.5
	or	or
	(ii) Emission, mg/ m ³	(ii) $\leq 150.$

5. Other Conditions:

- i. The products/ chemicals shall be properly stored in tanks which shall be absolutely leak proof. At no stage of handling, there shall be leakage or spillage.
- ii. The necessary arrangement for collection & treatment of leachate/ tank bottom generated underneath the storage tank shall be made along with provisions of oil skimmers & necessary treatment arrangements for the same.
- iii. High level alarm synchronized with cut off capacity shall be provided to the storage tanks.
- iv. The storage tanks shall be kept in good conditions all the year round with adequate maintenance. The hazardous waste generated in handling, storage and transport shall be disposed in accordance with Hazardous waste (M&H) Rules, 1989 & related amendments made therein.
- v. The internal roads shall be cement concrete and shall be maintained with adequate green belt.
- vi. The working area shall be impermeable & covered with roof/shed.
- vii. Industry shall make necessary provisions to arrest the emissions of volatile hydrocarbons to environment by the way of volatile matter absorption system to the tank vent and monitoring arrangement.
- viii. The industry shall regularly monitor ambient air quality and the emission of Volatile Organic Compound particularly Benzene, Toluene and Xylene from MoEF approved laboratory.
- ix. Monitoring of ground water (through Piezometric well) and soil at appropriate places at regular interval (every 3 months) should be carried out to ascertain that these are not getting polluted while operating the booster station.
- x. The industry should not cause any nuisance in surrounding area.

Schedule-III

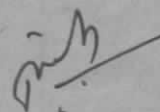
Details of Bank Guarantees

Proposed BG:

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period**	Purpose of BG	Compliance Period	Validity++
1	Consent to Establish	Rs. 10 lakh	15 days from date of issue of consent	Towards compliance of Consent to Establish condition.	COU or 5 years whichever is earlier	Validity of this consent + 4 months

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.

++ The Bank Guarantee(s) shall be valid for a period upto: Validity of consent + 4 months



Schedule-IV

General Conditions:

- 1) 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.
- 2) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 3) 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.
- 4) 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.
- 5) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed 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.
- 6) 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.
- 7) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled /processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 8) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 9) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 10) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.**
- 11) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 12) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 13) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 14) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 15) 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.
- 16) 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) 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.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) 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
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 17) The industry should not cause any nuisance in surrounding area.
 - 18) 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.
 - 19) The applicant shall maintain good housekeeping.
 - 20) 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.
 - 21) 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 of solid waste.
 - 22) 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. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
 - 23) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
 - 24) The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
 - 25) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
 - 26) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
 - 27) During transportation handling of Petroleum product if any accident occurs, the industry shall make emergency arrangement having responsibility to control the situation.
 - 28) The storage tanks shall be kept in good conditions all the year round with adequate maintenance.
 - 29) The project authority shall prepare On-site & Off-site emergency preparedness plan based on detailed risk analysis.

