

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai-400 022.

Consent order No: - Format1.0/BO/CAC-cell/UAN No 12498/2nd CAC- 1801000455
Date- 10/01/2018

To,
M/s Dighi Oil Storage Pvt Ltd, Dighi Port,
Taluka : Shrivardhan, Dist: Raigad, Maharashtra.

Subject: Consent to Establish (Expansion) in RED category.

Ref :

- (1) Consent to 1st operate granted vide no. Formate1.0/BO/CAC-Cell/UAN No 12498/2nd CAC-1710000350 dated 12.10.2017.
- (2) Your Application approved in 4TH CAC meeting of 2017-2018 held on 23.08.2017.

Your application: 13686

Dated: 23.08.2017

For: Consent to Establish for expansion.

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 under Rule 5 of the Hazardous & Other Wastes (M & T) Rules 2016 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 for expansion is granted for a period upto commissioning of the unit or 5 years whichever is earlier.
2. The actual capital investment of the industry is Rs. 91.16 Crs. (As per CA certificate submitted by industry).
3. The Consent is valid for the Storage and Handling of POL Products & chemicals at a time as below:

Sr. No.	Product Name
	Scheduled products
1	Acetone
2	Butane
3	Benzene
4	Cyclohexane
5	Ethyl Acetate
6	Hexane
7	Methyl Ethyl Ketone
8	MTBE
9	Methyl Acrylate
10	Solvent Naptha
11	THF (Tetra Hydro Furan)
12	Vinyl Acetate Monomer (VAM)
13	MS
14	Naptha
15	Propane
16	Acrylonitrile(ACN)

17	Ethyl Alcohol/Ethanol
18	Ethylene Dichloride (EDC)
19	Isopropyl Alcohol
20	ISO Butyl Acetate
21	Methyl Alcohol/Methanol
22	Methyl Methacrylate
23	Methyl Isobutyl Ketone(MIBK)
24	Toluene
25	Acrylic Acid
26	Acetic Acid
27	Aromex
28	Butyl Acrylate
29	Butyl Acetate
30	Butyl Cellosolve solvent
31	Bio Diesel
32	Butanol
33	Cumene
34	Cyclohexanone
35	Dicyclopentadiene (DCPD)
36	Ethylene Di Amine (EDA)
37	ISO Butanol
38	Isobutyl Alcohol
39	Mixed Xylene
40	Meta Xylene
41	Nonane (Propylene Trimer)
42	Ortho Xylene
43	Paraxylene
44	Styrene Monomer
45	Aviation fuel
46	HSD
47	SKO
48	Solvents C9,C10 etc
49	Aniline Oil
50	Cyclohexanol
51	2 Ethyl Hexanol
52	Exxol D-80
53	Low Sulphur Heavy Stock
54	Octanols
55	Ortho Toluidine
56	Phenol (Molton and Hydrated)
57	Propylene Tetramer
58	Solgard 150
59	Furnace oil
60	Crude oil
61	Alpha Olefin C14
62	Bitumen (AC Asphalt/Asphalt Cement)
63	Carbon Tetra Chloride
64	Crude Glycol
65	Diethylene Glycol
66	Dioctyl Phthalate
67	Dibutyl Maleate
68	Diethyl Phthalate
69	Dodecyl Benzene

70	Disononyl Phthalate
71	Ethylene Glycol
72	Glycerine
73	Isononyl Alcohol
74	Isopar L (S)
75	Linear Alkyl Benzene (LAB)
76	Methylene Di Chloride
77	Mono Ethylene Glycol (MEG)
78	N Paraffin
79	Propylene Glycol
80	Phosphoric Acid
81	Polyether Polyols
82	Paraffin Oil
83	Rubber Processing Oil
84	Sulphuric Acid
85	Triethylene Glycol
	Non-Scheduled products
86	Lubricating oils/ Base oils
87	Aromatic Feed Stocks (AFS)
88	Caustic Soda Lye
89	Ethyl Hexane
90	Vegetable Oils of different grades
91	Molasses

4. PP shall store the products in the tanks having capacities of 3534 KL X 3 nos, 6282 KL X 1 nos, 6283 KL X 6 nos, 9047 x 2 nos, 7602 KL X 1 nos, 16084 KL X 2 nos with tank nomenclature 101-110 and 201-205.
5. The scheduled products shall be stored strictly as per EIA notification, 2006 which is less than threshold limit individually/cumulatively. To store more than threshold quantities of scheduled products as per EIA Notification, PP shall obtain prior EC for the same.
6. The scheduled products shall fall into following categories
- Extremely Flammable liquids:** Chemicals which have flash point lower than or equal to 23°C and boiling point less than 35°C
 - Very highly flammable liquids:** Chemicals which have a flash point lower than or equal to 23°C and initial boiling point higher than 35°C.
 - Highly Flammable liquids:** Chemicals which have a flash point lower than or equal to 60°C but higher than 23°C
 - Flammable Liquids:** Chemicals which have a flash point higher than 60°C but lower than 90°C.
- If PP wishes to store all the above category products, then it should not exceed the least threshold limit in these above categories. For eg: If PP wishes to store both chemicals A = 7000 MT & B = 10000 MT having threshold limit 15000 MT & 10000 MT respectively, then storage quantity A+B cumulatively should not exceed the least threshold limit i.e 10000 MT. If the same is exceeding, then PP shall obtain prior EC.

7. 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	On land for gardening
2.	Domestic effluent	3.75	As per Schedule -I	On land for gardening

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

Sr.	Description of stack / source	Number of Stack	Standards to be achieved
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no.			
1.	DG set (500 KVA)	1	As per Schedule -II
2.	TFH	1	As per Schedule -II

9. Conditions under Municipal Solid Waste (Management and Handling) Rule, 2000:

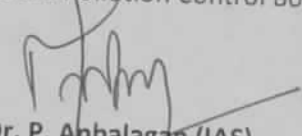
Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	--	-	--	--

10. Conditions under Hazardous & Other Waste (M & T) Rules, 2016 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Sludge from treatment of waste water	33.2	10 Kg/A	-		CHWTSDF

11. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
12. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
13. Industry shall comply with the provisions of GSR 186 (E) dtd 18.3.2008 and GSR 820 (E) dtd. 09.11.2012.
14. The company shall display at prominent location, name of product being stored in each tank.
15. Industry shall comply with the provisions of MSIHC Rules, 1989 as amended thereafter.
16. 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.
17. PP shall provide facilities for containing spills during tank/tanker filling operations and in no case shall such spills enter into nearby storm drains.
18. PP shall comply with distance criteria of 500 mtrs as mentioned in Schedule 2 of MSIHC Rules, 1989 as amended thereafter.
19. PP shall not take effective steps without obtaining EC/CRZ Clearance and shall submit BG of Rs 10 lakh for the compliance of the same.

For and on behalf of the
Maharashtra Pollution Control Board


Dr. P. Anbalagan (IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount (Rs.)	DD/DR. No.	Date	Drawn On
1.	125000	0189854	29.06.2016	Andhra 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) for treatment of trade effluent.
- 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	5.5 – 9.0
02	Oil & Grease	10
03	BOD (3 days 27°C)	100
04	COD	250
05	Suspended Solids	100

- C) The treated trade effluent shall be used on land for gardening.
- 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	1.25
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	--

- 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.



Maharashtra Pollution Control Board

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

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

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity UoM	& S %	SO ₂ (Kg/D)
1	DG set (500 KVA)	Acoustic enclosure	4.5* each	HSD	@ 0.21 liters/hr/KVA at full load.	1	
2	Thermic Fluid Heater	Stack	25	Diesel/FO	66 Kg/Hr/ 71 Kg/Hr	4.5	153

*Above the roof of 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.

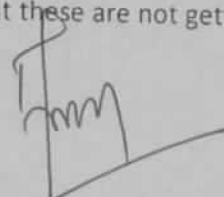
(iv) Storage tanks shall be painted with white colour shade, except for derogation of visually sensitive area.

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 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 project authority should prepare on-site & off-site emergency preparedness plan based on detailed risk analysis.
- vi. The internal roads shall be cement concrete and shall be maintained with adequate green belt.
- vii. The working area shall be impermeable & covered with roof/shed.
- viii. 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.
- ix. The industry shall regularly monitor ambient air quality and the emission of Volatile Organic Compound particularly Benzene, Toulene and Xylene from MoEF approved laboratory.
- x. Monitoring of ground water (through Pezometric 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.
- xi. The industry should not cause any nuisance in surrounding area.



Schedule-III
Details of Bank Guarantees

Applicant shall submit/ extend BG as below:

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period**	Purpose of BG #	Compliance Period	Validity++
1	C to R	Rs. 10 Lakh.	15 days from date of issue of consent	Not to take effective steps without obtaining EC	Continuous	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

Existing BG obtained for above purpose if any may be extended for period of validity as above.



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 Hazardous & Other Waste (M & T) Rules, 2016, 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 & Other Waste (M & T) Rules, 2016 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous & Other Waste (M & T) Rules, 2016 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 actual commencement of the Unit/ Activity.
- 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 official e-mail address and any change will be duly informed to the MPCB.
 - 25) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.

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