

# MAHARASHTRA POLLUTION CONTROL BOARD

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Consent order No:-Format 1.0/ BO/RO(HQ)/EIC.No MU-4300-12/R/CAC-8636 Date-14/10/2013

To,  
Deputy Conservator  
M/s.Mumbai Port Trust,  
Port House,  
Shoorji Vallabhdas Marg,  
Ballard Estate, Mumbai-400 001.

Subject: Renewal of Consent to Operate RED/LSI category.  
Ref : Minutes of CAC meeting held on 19/8/2013.

Your application Dated: 8/11/2012

For: 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 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 is granted for a period from 31.12.2012 to 30.09.2014.
2. The total capital investment of the plant including jetty is Rs.267.73 Crs.  
(As per Certificate submitted by Project Proponent).
3. The Consent is valid for –

(A)

Location	Activity
Colaba, Mazgaon, Wadi Bundar, Wadala, CottonGreen, Worli, Sewree, Govandi etc.	Residential Colonies

(B)

Sr. No	Location	Activity
A)	Pir Pau Jetty	a) Operation of new berth at Pir Pau, Mumbai Port for handling specialized grade of .POL and Bulk Liquid Chemicals by Mumbai Port Trust as per Office Memorandum vide No.15/88-IA, dt 26 <sup>th</sup> April, 1989. b) Operation of replaced common user shore three pipelines of 8 Km. Length each from Manifold at Pir Pau to Marketing storage at Sewree- Wadala as per Environmental Clearance vide No.J-16011/17/2001-IA.III, dt 26 <sup>th</sup> September, 2001 as well as NOC granted by this office vide letter No. MPCB/RO(HQ)/TB/B-3799 dt 27 <sup>th</sup> August, 2001.
B)	Alexandra (Indira Dock)	All old Berths
C)	Victoria Dock	Closed for proposed OCT Project Activity.
D)	Between Pir Pau and Jawahardweep	Operation of seven submarine pipeines between MbPT and ONGC Crude Lines, as per Environmental Clearance vide Office Memorandum dated 23 <sup>rd</sup> September, 1994.

E)	Jawahardweep	Operation of MOT J1 to J3 Berths at Jawahardeep, as per Environmental Clearance vide No.16011/6/95-IA.III, dated 26 <sup>th</sup> Decemberr, 1995 and J4 Births.
F)	Princes Dock	All old births
G)	Sasoon Dock	Fish Jetties
H)	Ferry Wharf	Passenger Jetty
I)	Haji Bunder	Coal and Hazardous Chemical Handling.

Note: The activities of Coal & Hazardous Chemical Handling at Haji Bunder can be carried out by Port Authority as the same are established before CRZ Notification.

**\* MbPT should undertake a plan to rejuvenate the mangrove which was destroyed due to coal storage. MbPT should submit a work plan within one month period indicating the plan for rejuvenation and submit BG of Rs.2 lakh within 15 days towards the compliance of the same**

**C) Port authority should obtain Consent to Operate before commissioning of the following activities:**

- i) Operation of second liquid chemical/specialized grades of POL product berth off Pir Pau, as per Environmental Clearance vide No.10-18/2006-IA-III, dt.21<sup>st</sup> March, 2007 as well as , consent granted by this office vide No.BO/RO(P&P)/CE/CC-744 dt.4<sup>th</sup> December, 2006.
- ii) Operate of two offshore container berths and Container Terminal on Build, Operate and transfer (BOT) basis, as per Environmental Clearance vide No.10-18/2005-IA-III, Dated 15<sup>th</sup> June, 2006 and Corrigendum issued by MoEF vide No.10-18/2005-IA-III, dt 9<sup>th</sup> November, 2006 as well as consent granted by this office vide No.BO/RO(P&P)/CC-151, Dt. 17<sup>th</sup> January, 2006 (142 berths)
- iii) Operation of harbor well berths at Indira Dock, as per Environmental Clearance vide No.10-6/2007-IA-III, Dated 13<sup>th</sup> March, 2007 (21 berths)

**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	NIL	N.A.	N.A.
2.	Domestic effluent	14,000	As per Schedule -I	Recycle/Disposal in MCGM Sewer

**\*The sewage generated within the MbPT areas needs be treated. MbPT should undertake a survey and feasibility study for sewage treatment and submit the proposal alongwith time bound programme in 6 months time and submit BG of Rs. 10 lakh by 31.8.2013 towards the compliance of the same.**

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

Sr. No.	Chimney Attached To	Height above the roof of building in which it is installed
1.	DG Set (750 KVx2)	5.48 mtrs each
2.	DG Set (200 KVx1)	2.83 mtrs each
3.	DG Set (160 KVx5)	2.53 mtrs each
4.	DG Set (100 KVx1)	2.00 mtrs each

6. Non-Hazardous Solid Wastes:

Sr. No	Type of Segregated solid waste	Quantity Kg/D	Treatment	Disposal
1.	Garbage, Kitchen Waste & other Solid Waste	10 T/D	Send to MCGM Dumping Ground	

7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Disposal
1	Used Oil	5.1	As & When generated	T/A	Send to authorized reprocessor/recycler
2.	Waste Oil	5.2	As & When generated	T/A	Send to authorized reprocessor/recycler
3.	Non ferrous metal Waste/Scrap	-	As & When generated	T/A	Send to authorized reprocessor/recycler

8. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same should be binding on the Applicant.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.

For and on behalf of the  
Maharashtra Pollution Control Board

(Rajeev Kumar Mital, IAS)  
Member Secretary

Received Consent fee of –

Sr.No.	Bank Name	DD. No.	DD. Dt.	Amount
1	SBI Bank	922493	3/09/2012	25,52,000/-
2	SBI Bank	416338	28/12/2012	1,11,800/-

Copy to:

1. Regional Officer, Mumbai and Sub-Regional Officer, Mumbai-I- They are directed to ensure the compliance of the consent conditions.
2. CAC desk- for record & website updation purposes.

**\*Balanced Consent fees of Rs.15,92,880/- from above submitted fees, will be adjusted during next Renewal of Consent.**

**Schedule-I**

**Terms & conditions for compliance of Water Pollution Control:**

1) A] As per your application industrial effluent is not generated from your operation/ activity of jetty.

**2) Sewage Effluent Treatment:**

(i) The applicant should 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
2	Suspended Solids	Not to exceed	100 mg/l.
3	BOD 3 Days 27 degree C	Not to exceed	100 mg/l.
4.	COD	Not to exceed	250 mg/l
5.	Oil & Grease	Not to exceed	10 mg/l
6.	TDS	Not to exceed	2100 mg/l
7.	Chlorides	Not to exceed	600 mg/l
8.	Sulphates	Not to exceed	1000 mg/l
9.	% Sodium	Not to exceed	60% mg/l
10.	Free Ammonia	Not to exceed	5 mg/l
11.	Mercury	Not to exceed	0.01 mg/l
12	Lead	Not to exceed	2 mg/l
13.	Zinc	Not to exceed	3 mg/l
14.	Nickel	Not to exceed	5 mg/l
15.	Total Cromium	Not to exceed	2 mg/l

Bio Assay test on fish should show 90% survival in 96 Hours in 100% effluent.

(ii) Disposal:

a) The Port Authority should provide full-fledged Sewerage treatment plants (STPs) at location mentioned at item No. 1A & 1B above or provide a combined STP.

b) The treated effluent should be disposed into the sewerage system provided by MCGM. The areas where sewerage system is not provided by The Sewerage system by MCGM should be pointed out by the Port Authorities should provide the facility to dispose off the treated effluent through closed pipeline as per the guidelines of NIO for disposal of marine outlet. In this case, the Port authorities should carry out marine outfall monitoring once in a month through MoEF approved laboratory. The primary water quality criteria for class SW-II waters should meet following standards at the dispersal point of outfall in the sea

1	pH	Between	6.5 to 9.0
2	Dissolved Oxygen	Not to exceed	4 mg/l or 50% saturation value whichever is higher.
3.	Colour & Odour	Not to exceed	No noticeable color or offensive color
4.	Floating matters	Not to exceed	Nothing Obnoxious or detrimental for use purpose
5.	Turbidity	Not to exceed	30 NTU(Nephelo Trubidity Unit)
6.	Fecal Coliform	Not to exceed	100/100ml(MPN)
7.	BOD 3 Days 27 <sup>0C</sup>	Not to exceed	3 mg/l
8.	Mercury	Not to exceed	0.01 mg/l
9.	Lead	Not to exceed	2 mg/l
10.	Copper	Not to exceed	3 mg/l
11.	Nickel	Not to exceed	5 mg/l
12.	Total Chromium(as Cr)	Not to exceed	2 mg/l

13. Bio Assay test on fish should show 90% survival in 96 Hours in 100% effluent.

c) Port Authority should monitor effluent quality regularly from MoEF approved laboratory at above locations.

d) Collection and pumping facility should be made available.

e) Necessary pumping stations with standby arrangement should be provided.

- (iii) A well equipped laboratory with suitable instruments to monitor the quality of air and water should be set up so as to ensure that the quality of ambient air, water and hazardous waste performs to the prescribed standards. The laboratory will also be equipped with qualified man power ,including a marine biologist so that the marine water quality is regularly monitored in order to ensure that the marine life is not adversely affected. The analysis results records should be properly maintained for inspection of Board Officers. The periodic monitoring Report, at least once in six months should be send to Board Office.
- (iv) The Port authorities should at their own cost get samples of untreated and treated effluent collected and analyzed every month and should submit the report to the Regional Officer, Mumbai with copy to Board Office.
- (v) The port authorities should provided facility for collection of samples to the Board staff at terminal manhole
- (vi) The Applicant should 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 Processing	0.0
2.	Domestic purpose	18,000
3.	Industrial Cooling	0.0
4.	Agriculture/Gardening	0.0

- (vii) The Applicant should provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.

## Schedule-II

### Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have proposed to erect / erected following stack (s) and to observe the following fuel pattern-
2. There are no process stacks. The stacks attached to DG Sets should have adequate height as per CPCB Guidelines.
3. The applicant shall ensure that coal handling activity shall be carried in an environmentally friendly manner, through experienced person who is well versed in taking precautionary measures and also in the field of coal handling, so as to avoid any sort of nuisance in the surrounding area.
4. The person engaged in coal handling activity should display/demonstrate the quality of coal handling at the port and he should keep proper record of such coal handling. Mumbai Port Trust should carry survey for monitoring of coal handling and transportation.
5. The Mumbai Port Trust should intimate the results of monitoring coal handling area to the Regional Officer, MPCB, Mumbai.
6. The applicant should operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to achieve ambient air quality standard for residential area.
7. The Applicant should 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.
8. Applicant should provide adequate air pollution control system to control the dust arising from activity and other sources.
9. Applicant should provide dust extraction system and water sprinkling arrangement for suppression of dust particles.
10. There should not be any fugitive/secondary emissions.
11. 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).

**Schedule-III**  
**Details of Bank Guarantees**

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Renewal of Consent	Rs. 2 Lakh	15 Days	MPCB should undertake a plan to rejuvenate the mangrove which was destroyed due to coal storage. MbPT should submit a work plan within one month period indicating the plan for rejuvenation and submit BG of Rs.2 lakh within 15 days towards the compliance of the same.	One Month	31.01.2015.
2.		Rs. 2 Lakh	15 Days	The sewage generated within the MbPT areas needs be treated. MbPT should undertake a survey and feasibility study for sewage treatment and submit the proposal along with time bound programme in 6 months time and submit BG of Rs. 10 lakh within 15 days towards the compliance of the same.	6 Month	31.01.2015.

#### Schedule-IV

##### General Conditions:

- 1) The applicant should 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 should pay to the Board for the services rendered in this behalf.
- 2) If the MIDC pipeline is broken/ overflowing chamber, in such cases Applicant should not discharge their treated effluent into MIDC drain, it should be sent to CETP by tanker.
- 3) Applicant should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 4) The applicant should provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same should be open for inspection to/and for use of the Board's Staff. The 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 facilitate identification.
- 5) 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 should 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 should be stopped.
- 6) The applicant should 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 should stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 7) The firm should 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.
- 8) The Applicant should 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 should 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.
- 9) The Applicant 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 30<sup>th</sup> June of every year.
- 10) An inspection book should be opened and made available to the Board's officers during their visit to the applicant.
- 11) The applicant should obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity (in case of Consent to establish).
- 12) and Environmental Protection Act,1986 and Applicant specific standard under EP Rules 1986 which are available on MPCB website([www.mpcb.gov.in](http://www.mpcb.gov.in)). Applicant should strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981
- 13) The Applicant should constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 14) Separate drainage system should be provided for collection of trade and sewage effluents. Terminal manholes should be provided at the end of the collection system with arrangement for measuring the flow. No effluent should be admitted in the pipes/sewers downstream of the terminal manholes. No effluent should find its way other than in designed and provided collection system.
- 15) Neither storm water nor discharge from other premises should be allowed to mix with the effluents from the factory.
- 16) The applicant should 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 should be maintained.
- 17) **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) Applicant 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) should 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) Applicant 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 should 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 should comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 18) The Applicant should not cause any nuisance in surrounding area.
- 19) The Applicant 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.
- 20) The applicant should maintain good housekeeping.
- 21) The applicant should bring minimum 33% of the available open land under green coverage/ plantation. The applicant should submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31<sup>st</sup> March of the year and number of trees planted by September end.
- 22) 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 should take necessary permissions from civic authorities for disposal of solid waste.
- 23) The applicant should 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 Applicant will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 24) The Applicant should ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 25) The Applicant should 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).
- 26) The Applicant should submit official e-mail address and any change will be duly informed to the MPCB.
- 27) The Applicant should achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dated 16.11.2009 as amended.
- 28) Port Authorities should comply with the Batteries (Management & Handling) Rules, 2000.
- 29) A separate Environmental management Cell with suitable qualified staff to carry out various environment related functions should be set up under the charge of senior Executive who will report directly to the Chief executive of the Company.
- 30) An inspection book should be opened and made available to the Board Officers during their visit to the port.

- 31) Port Authority should be considered equally responsible in case of Failure of Brihanmumbai Municipal Corporation in respect of Municipal Solid Wastes Management and Handling and disposal of treated effluent.
- 32) Port authority should obtain Authorization under Municipal Solid Waste (Management Handling) Rules, 2000 for management and handling of the municipal solid waste generated and comply with the same.
- 33) Bio Medical Waste Management: Port Authorities should comply with Authorization granted under Bio-Medical Waste (Management & Handling) Rules, 1998 for management & Handling of the Wastes generated at port trust hospitals and comply with the same.
- 34) The port authorities should not allow agencies such as M/s.Aegis, M/s.CTIL, M/s.BPCL, M/s.HPCL for handling and storage of hazardous chemicals and hazardous waste without valid NOC/Consent of the Board otherwise port authority should provide necessary arrangement for the pollution arising due to the aforesaid activities.
- 35) The Port should provide proper mechanism for regular monitoring of tenants/activities especially in the tank farm area for compliance with Environmental Norms.
- 36) The Port authorities will be considered equally responsible in case of non compliance with environmental norms by tenant agencies such as M/s.Aegis, M/s.CTIL, M/s.BPCL, M/s.HPCL etc. since as licensor, the port is also enjoined to take action against defaulters under IPA, 1908.
- 37) MbPT should carry out the green belt development programmed at appropriate areas wherever possible. MbPT should ensure protection and regeneration of mangrove vegetation in the MbPT area.
- 38) Specific arrangement for rain water harvesting should be made and the rain water so harvested should be optimally utilized.
- 39) As per information submitted by the applicant vide letter No.DC/DPCC/Consent 2008/266. Dated 9.7.2008, ship breaking activity should not be carried out by Port however Individual Ship breaker should take Consent/NOC from MPCB & list of individual ship breaker should be submitted to MPCB by the port for ship breaking activity.
- 40) Penalty clauses: If the port authority fails to implement consent conditions prescribed above within the prescribed time limit, it is liable for prosecution under Section 44 of Water(Prevention & Control of Pollution) Act, 1974 and should on conviction be liable to penalties provided therein.
- 41) The consent granted based on the information submitted by the port authorities in their earlier application along with additional information submitted vide No. DC/DPCC/Consent/297 dated 30/7/2009. The Board reserves the right to revoke, change or alter the terms and conditions of the consent.
- 42) 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 should be forthwith reported to Board, Concerned Police station, Office of directorate of Health Services, Department of explosives, Inspectorate of Factories and local body.
- 43) The project proponent should obtain insurance under Public Liability Insurance act, 1991 and inform this office accordingly.
- 44) Port authority should comply for the storage and handling of Hazardous Chemicals/Cargo as per the International Maritime Organization (IMO) Classification compatibility.
- 45) This consent should not be construed as exemption for obtaining necessary NOC from any other Government agencies as may be deemed fit necessary.

- 46) Port authority should phase out the Ozone Depleting substances (ODS) as per ODS Rule,2000 and should be informed to the MPCB within period of 3 months.
- 47) Port authority should comply for the standard prescribed for VOC & Other parameters as per Notification from MoEF ,vide No.G.S.R.186(E) Dated 18/3/2008.
- 48) The applicant should comply with the provisions of the CRZ Rules.
- 49) The applicant should provide tar/ concert roads inside the premises.
- 50) Applicant should not undertake any mangroves destruction during operation of the project.
- 51) Applicant should prepare disaster management plan & should be updated time to time.

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Maharashtra Pollution Control Board