

MAHARASHTRA POLLUTION CONTROL BOARD

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Consent order No :- :- Format1.0/BO/CAC-cell/RO-NM/EIC-NM-5520-14/R/CAC- 2348
Date- ~~1.2015~~ 02/03/2015

To,
M/s Jawaharlal Nehru Port Trust,
Admn. Bldg. Sheva,
Navi Mumbai.

Subject: Renewal of Consent to Operate to Port activity in RED category.

Ref :

1. Earlier Consent granted vide no. Format1.0/BO/CAC-cell/RO-NM/EIC-NM-4644-13/R/CAC- 10719 dtd. 31.12.2013.
2. Your application approved in 24th CAC meeting held on 21.1.2015

Your application CR1409000458

Dated: 1.8.2014

For: Consent to Renewal

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 1.10.2014 to 30.9.2015
2. The actual capital investment of the industry is Rs.4067.27 Crs. i.e. JNPT is 1772.82 crs, DP World Nhava-Sheva is 975.27 crs. & APM terminals Mumbai is 1319.17 crs.(As per documents submitted by industry)
3. The Consent is valid for the Activity of Handling of containers, dry and liquid bulk cargos-65.730465 Million Tonnes / Annum at following terminals only:

Sr. no.	Terminal Name	No. of Berth	Length of Berth in metres	Container storage area
1.	JNPT Container Terminal	3	680	61.5 Ha
	Shallow Water Berth (SWB)	3	450	
2.	Nhava Sheva International Container Terminal (NSICT – DP World)	2	600	25.90 Ha
3.	Gateway Terminals India Pvt. Ltd. (GTIPL – APM Terminals)	2	712	54.60 Ha

All A, B, C Class of liquid cargos for receipt and distribution by JNPT (no storage) including below list upto 65.730465 Million Tonnes / Annum.

Sr. No	PRODUCT NAME	Sr. No	PRODUCT NAME
1	MTBE	36	Paraxylene / Mixed Xylene
2	Ortho Xylene	37	Butyl Acrylate

3	Isopropyl Alcohol	38	Methanol
4	Carbon Tetrachloride	39	Acetic Acid
5	Ethylene Di Amine	40	Iso Nonyl Alcohol
6	AHE-70	41	L.A.B.
7	Paraffin Oil	42	Lube Oil
8	Meta Methyl Acrylate	43	Iso-Butanol
9	Cyclohexane	44	Base Oil
10	Diethylene Glycol	45	Allyl Alcohol
11	Biodiesel	46	2-Ethyl Hexanol
12	Ortho Toluidine	47	CBFS
13	Propylene Glycol	48	1,4-Butanediol
14	Ethylene Di Chloride	49	M.E.G/Crude Glycol
15	Palm fatty Oil/Acid	50	Ethanols
16	Luprant	51	Ammonia
17	Isobutyl Alcohol	52	Palm Oils
18	Tri ethylene Glycol	53	Caustic Soda
19	Meta xylene	54	Ethylene
20	N Paraffin	55	Castor Oil
21	Poly Propylene	56	Acetone
22	All A,B,C, class of Petroleum Products	57	Edible Oil
23	Methyl Isobutyl Ketone	58	1-Butanol
24	Styrene Monomer	59	Molasses
25	Phenol	60	Vegetable Oils
26	Glycerine	61	Chloroform
27	Aniline Oil	62	Aromatic Feed Stocks (AFS)
28	Aromex	63	Ethyl Acetate
29	Acrylonitrile	64	Acetic Anhydride
30	Phosphoric Acid	65	Lauryl Mirystl Alcohol
31	Benzene	66	Butadiene
32	Toluene	67	n-Hexaane
33	Propylene	68	Methyl Ethyl Ketone
34	Sulphuric Acid	69	Butyl Acetate
35	2-Propylheptan-1	70	Vinyl Acetate

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	NA	NA
2.	Domestic effluent	2860	As per Schedule -I	Part Recycle & remaining Into Panje creek

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.	DG set (3 x 200 KVA)	3 nos.	As per Schedule -II
2.	DG set (1 x 380 KVA)	1 nos.	As per Schedule -II
3.	DG set (3 x 450 KVA)	3 nos.	As per Schedule -II
4.	DG set (3 x 500 KVA)	3 nos.	As per Schedule -II
5.	DG set (2 x 1000 KVA)	2 nos.	As per Schedule -II
6.	DG set (3 x 1250 KVA)	3 nos.	As per Schedule -II
7.	DG set (3 x 1500 KVA)	3 nos.	As per Schedule -II

6. **Conditions about Non Hazardous Wastes:**

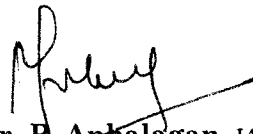
Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Food waste	6 Ton/Day		Recycled in Bio composting plant
2	Sludge from STP	1000 KG/M		Used as a manure

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	Used/Spent oil	5.1	1.5	MT/M	-	Sale to authorized recycler
2	Waste/Residue containing oil	5.2	0.252	MT/D	-	Sale to authorized recycler
3	Sludge and filter contaminated with oil	3.3	20.1	MT/D		

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. The applicant shall comply with the conditions stipulated in letter received from MoEF, GOI vide no. J-17011/18/96-IA-III dated 22/7/2005 and Office memorandum regarding Environmental Clearance vide letter no. J-11013/21/88-IA dated 16th September, 1988.

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. No.	Date	Drawn On	Remarks
1.	8134543	520338	30.7.2014	SBI	Consent fees towards C to R on total CI and
2.	75000	521608	21.2.2015	SBI	Consent fees towards C to E for increased CI and consent form fees

Copy to:

1. Regional Officer -Navi Mumbai and Sub-Regional Officer-Taloja MPCB, Navi Mumbai. 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 consent application, you have provided the sewage treatment system with the design capacity of 4 MLD.
- B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.
- | | | | | |
|-----|-------------------|---------------|-----|-------|
| (1) | Suspended Solids. | Not to exceed | 100 | mg/l. |
| (2) | BOD 3 days 27°C. | Not to exceed | 100 | mg/l. |
- C] The treated sewage of 270 CMD shall be recycled and reused on land for gardening and remaining treated sewage shall be disposed into Creek
- 2) 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.
- 3) 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.
- 4) 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.

5)

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	-
2.	Domestic purpose	11377.9
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	Nil
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	Nil

- 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/ Environmental Clearance.



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/Day
1.	DG set (3 x 200 KVA)	Acoustic enclosure	2.8* each	HSD	100 Lit/day	1	20
2.	DG set (1 x 380 KVA)		3.9* each				
3.	DG set (3 x 450 KVA)		4.2* each				
4.	DG set (3 x 500 KVA)		4.5* each				
5.	DG set (2 x 1000 KVA)		6.3* each				
6.	DG set (3 x 1250 KVA)		7.1* each				
7.	DG set (3 x 1500 KVA)		7.7* each				

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

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance.
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:
4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
5. 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.	C to R	Rs. 5 lakh*		Towards O & M of pollution control system	Continuous	31.01.2016

* existing BG shall be extended for a period upto 31.1.2016



Maharashtra Pollution Control Board

Schedule-IV

General Conditions:

SRO Talaja/I/R/L/37141000- M/s Jawaharlal Nehru Port Trust

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- 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 Hazarsous 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 make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.**
- 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