

MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 3rd & 4th floor, Sion- Matunga Scheme Road No. 8, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai - 400 022

Consent No :- Format1.0/BO/RO(HQ)/Amend/CC- 3349
Date- 11/08/2016

M/s. Sea Lord Containers Ltd.,
CTS No 338- (Survey No 87 Hissa Nos. 1 and 2),
CTS No 358- (Survey No 86 Hissa No 1),
CTS No 359- (Survey No 86 Hissa No. 2),
Village Ambapada, Mahul,
Chembur, Mumbai-400 074.

Subject: Amendment in Consent to Operate for storage & handling of Petroleum products of Class A &/or B &/or C in under RED/LSI category.

Ref. :- 1. Earlier Consent granted vide Consent No. MPCB/RO(HQ)/EIC-MU-3908-12/R/CC/B-646 Dated 11/10/2012

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 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 Operate is granted for a period upto 31/5/2017.
2. The total capital investment of the industry is Rs. 44.02 Crores. (As per CA certificate submitted by industry).
3. Consent to Operate is valid for storage & handling of the following Petroleum products of class A &/or B &/or C:

Sr. No.	Tank No.	Type	Capacity (KL)
1	T - 201 / 203	Internal Floating Roof (IFR)	5000
2	T - 202 / 204 / 205	Vertical Fixed Roof (VFR)	5000
3	T - 206/ 208	Vertical Fixed Roof (VFR)	10000
4	T - 207 / 209 / 210	Internal Floating Roof (IFR)	10000

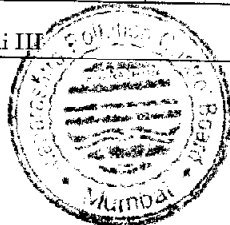
(The chemical handling shall not exceed the maximum handling rate of for a period between May 2015 to Dec 2015 in compliance to NGT Order dt 18.12.2015 i.e. it shall not exceed 66,065.51 KI/M)

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	30 CMD (15 CMD own + 15 CMD from M/s Aegis Logistics Ltd.)	As per Schedule-I	100% recycle for flushing, gardening within own premises
2.	Domestic sewage	3.2		

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 (25 & 500 KVA)	2	As Per Schedule -II



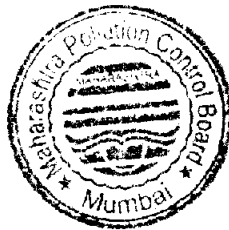
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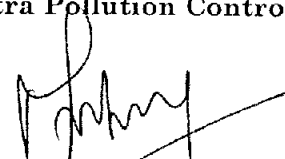
6. Conditions under Hazardous Waste (MH & TM) Rules, 2016 for treatment and disposal of hazardous waste:

Sr. no.	Type Of Waste	Category	Quantity	UOM	Treatment & Disposal
1.	Tank bottom sludge (slops)	3.3	15	MT/A	CHWTSDF
2.	Used oil	5.1	2.5	MT/A	CHWTSDF
3.	Discarded asbestos	15.2	1	MT/A	CHWTSDF
4.	ETP Sludge	35.3	2.5	MT/A	CHWTSDF
5.	Discarded Filters / Pigging foam	35.1	1	MT/A	CHWTSDF

7. The industry shall comply all the provisions of the HW (M & H) Rules, 2016 including use of Manifest System, Filing of annual returns, safe disposal of Hazardous Waste etc.
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 shall not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. The industry shall obtain clarification from SEIAA, Environment Department, Government of Maharashtra about applicability of Environmental Clearance to its facility during 2006-07 (construction period) and submit the same to MPC Board within three months.
11. Industry shall comply with the provisions of MSIHC Rules, 1989/2000 as amended thereafter and as per the Provision of MSIHC Rules-1989/ 2000, Rule 18, the industry shall intimate MPCB 30 days in advance prior to import of hazardous chemicals.
12. The company shall display at prominent location, name of chemical being stored in each tank.
13. This consent is issued with overriding effect on earlier Consent issued to the industry by the Board vide No. MPCB/RO(HQ)/EIC-MU-3908-12/R/CC/B-646 Dated 11/10/2012.

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
1.	3,75,100/-	172307	07/04/2012	Bank of Baroda

Copy to:

1. Regional Officer(Mumbai) & Sub-Regional Officer(Mumbai-III), M.P.C. Board.
- 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.

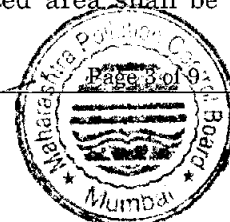
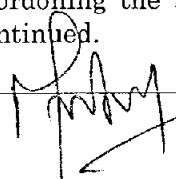
Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- (i) The industry is hereby permitted to receive trade effluent generated from tank washing of its sister concern M/s Aegis Logistics Ltd (maximum 15 CMD) through closed non-corrosive pipeline only for treatment at the combined ETP provided by M/s Sea Lord Containers Ltd. No effluent shall be conveyed by tankers.
- (ii) **Trade effluent & Sewage Treatment:** The industry shall provide necessary arrangement for collection & treatment of tank washings and other effluents generated during pigging etc. The Industry shall provide comprehensive treatment system comprising primary / secondary & tertiary facilities 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:

Sr. No.	Parameters	Standards prescribed by Board (If any)
	I. Compulsory Parameters	Limiting Concentration in mg/l except for pH
01	pH	6.5 to 8.5
02	Oil & Grease	10 mg/l.
03	BOD (3 days 27°C)	30 mg/l.
04	Total Dissolved Solids	2100 mg/l.
	II Additional Parameters	
05	Suspended Solids	100 mg/l.
06	COD	250 mg/l.

- (iii) **Treated effluent/Sewage Disposal:** The treated effluent/ domestic sewage shall be 100% recycle for flushing, gardening within own premises.
- (iv) **The Industry 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 | ... | 4.00 CMD |
| (ii) Industrial Processing | ... | 15.00 CMD |
| (iii) Industrial Cooling | ... | 0.00 CMD |
| (iv) Agriculture / Gardening | ... | 0.00 CMD |
- (v) The Industry 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.
- (vi) The Industry shall monitor effluent quality at inlet & outlet of ETP at least on monthly basis from MoEF recognized laboratory.
- (vii) The industry shall maintain log book for the operation of ETP with records for operation of pumps, chemical addition etc. and separate energy meters, record of reused of treated effluent shall be maintained. Dual pumping shall be provided for toilets to enable use of treated effluents / sewage for flushing.
- (viii) Monitoring of ground water (through Peizometric wells) and soil at atleast three location at quarterly interval (every 3 months) shall be carried out to ascertain that these are not getting polluted.
- (ix) 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.



- (x) The offsite emergency preparedness plan prepared by industry shall have scenario for pipeline leakage, spillage during transfer and handling of petroleum from Jawahar Deep 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.
- (xi) 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.



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Maharashtra Pollution Control Board

Schedule-II

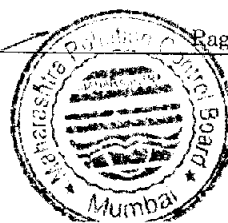
Terms & conditions for compliance of Air Pollution Control:

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

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity	UOM	S%	SO ₂
1	DG Set (500 KVA)	--	3.5*	HSD	101	Ltr/Hr	-	42.02 Kg/D
2.	DG Set (25KVA)	--	3.5*	HSD	6	Ltr/Hr	-	2.52 Kg/D

(* 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. VOC Emission Controls:
- In absence of any standards for VOC emissions from isolated storage facilities including loading/unloading, the industry shall follow the standards specified for storage and loading/un loading of chemicals as given in GSR 186 (E) Dt. 18.03.2008 and GSR 820 (E) dtd. 09/11/2012 for being similar activity.
 - The industry shall take all operational practices & implement control measures to limit VOC emission during breathing (tank evaporative emission) and during filling of storage tanks as mandated under storage tank provision of GSR 186 (E) Dt. 18.03.2008.
 - The Industry has provided 10 storage tanks-5 of internal floating roof type and 5 of vertical fixed roof type.
 - The industry shall store Class A petroleum compounds in internal floating roof tanks only.
 - Industry shall keep record indicating type of chemical stored in different tanks & submit the same to MPCB every month.
 - The tanks shall be maintained as per the API RP 575 Standards and provided with modern instrumentation to ensure that there shall be no leakage or spillage during handling.
 - The industry shall have preventive maintenance plan and keep records of preventive maintenance carried out. For IFR Tanks, this shall include regular inspection of seals, seal gap, condition of various sleeves, jackets etc.
 - The industry shall monitor vapour pressure in the tanks. The industry shall spray water on tank shells by water sprinkler installed, provided tank vapour pressure exceeds set norms. Industry shall maintain records of operation of fire water sprinkler & submit the same to MPCB every month.
 - The industry shall provide control system comprising brine chillers followed by activated carbon/ charcoal adsorption on the outlet of breather valve provided on vertical fixed roof tanks. The control system provided shall have arrangement to isolate the activated carbon/charcoal adsorption unit during washing of the tanks.
 - The industry shall provide adequate arrangement for capturing VOC emissions during tanker filling. This shall include providing compatible lids



(with suitable openings for filling pipe and fume extraction vent) to close the manholes on the tanker top so that no VOC emissions leaks into the environment. Alternately bottom loading of tankers with leak proof vapour collection facilities at the manholes will be provided. Compatible loading arms with level gauge, metered flow to tanker to ensure control filling to be provided. Vapour capturing hoses shall be connected to central header and shall have extra provision for collecting VOC emissions from maintenance activities and during pigging of pipelines.

- k) The collection header shall be connected to Air pollution control system consisting of brine chiller followed by activated carbon/charcoal to meet standard as given in GSR – 186 (E) Dt. 18.03.2008.
- l) The industry shall explore possibility of collecting vapors from open manholes during tank washing and diverting the same to the air pollution control system provided.
- m) Industry shall ensure that the nitrogen / air used during pigging operations shall be diverted to the air pollution control system provided.
- n) The air blown from manifold to tanker filling point shall be diverted to air pollution control system provided.
- o) High level alarm synchronized with cut off capacity shall be provided to the storage tanks.
- p) The internal roads shall be cement concrete and shall be maintained with adequate green belt.
- q) The Industry shall monitor ambient air quality on a monthly basis and the emission of Volatile Organic Compound particularly Toluene, Xylene and non methane Hydro Carbon from MoEF approved laboratory.
- r) The Industry shall not cause any nuisance in surrounding area.

Emission control for Road tank, truck loading:

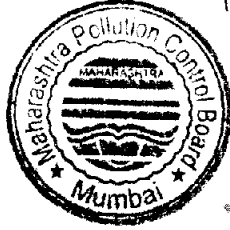
Loading of Volatile Products	Naptha:	
	(i) VOC Reduction, %	(i) ≥ 99.5
	or	
	(ii) Emission, gm/m ³	(ii) ≤ 5
	Toulene / Xylene:	
	(i) VOC Reduction, %	(i) ≥ 99.5
	or	
	(ii) Emission, gm/m ³	(ii) ≤ 150



Schedule-III

Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed (Rs.)	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to O	Rs. 5.0 Lakh	Within 15 days	Installation of Air Pollution Control system comprising brine chiller followed by activated carbon/ charcoal adsorption within 3 months.	3 month	Upto 30/09/2017
2	C to O	Rs. 5.0 Lakh	Within 15 days	Compliance of consent conditions; Operation and Maintenance of Pollution Control systems.	Upto 31/05/2017	Upto 30/09/2017

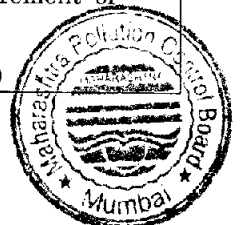


(Signature)
Maharashtra Pollution Control Board

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) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 4) 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.
- 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 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.
- 6) 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.
- 7) 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.
- 8) The industry shall recycle/ reprocess/ reuse/ recover Hazardous Waste as per the provision contain in the HW(MH&TM) 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.
- 9) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2016 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- 12) 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).
- 13) 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.
- 14) 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.
- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 16) 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.
- 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) 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.
- 18) The industry should not cause any nuisance in surrounding area.
 - 19) 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.
 - 20) The applicant shall maintain good housekeeping.
 - 21) 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.
 - 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 shall take necessary permissions from civic authorities for disposal of solid waste.
 - 23) 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.
 - 24) 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.
 - 25) 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 downloaded from MPCB official site).
 - 26) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
 - 27) During transportation handling of Petroleum product if any accident occurs, the industry shall make emergency arrangement having responsibility to control the situation.
 - 28) Industry shall obtain necessary clearances under the Forest (Conservation) Act, 1980 and the Wildlife (Protection) Act, 1972.
 - 29) The storage tanks shall be kept in good conditions all the year round with adequate maintenance.
 - 30) The project authority shall prepare On-site & Off-site emergency preparedness plan based on detailed risk analysis.
 - 31) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.
 - 32) The industry shall recycle/reprocess/reuse/recover hazardous waste as per the provision contained in the HW(M,H & TM) Rules 2016, which can be recycled/ processed/ reused/ recovered and only waste which has to be incinerated shall go to incineration and waste which cannot 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.

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M/s. Sea Lord Containers Ltd.

