

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781
/4037124/4035273
Fax : 24098385/4024068
/4023516
Email : apae@mpcb.gov.in
Visit At : <http://mpcb.gov.in>



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

Red/S.S.I

EIC-No. NG-8458-13

Date: 13 / 11 / 2013

Consent No: BO/RO(HQ)/HSMD/O/CC-9380

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 & Authorization / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2008

[To be referred as Water Act, Air Act and HW (M&H) Rules respectively].

CONSENT is hereby granted to

M/s. Infrastructure Logistic System Ltd.,
PH No.74,S.No.131/1,
Near Butibori Railway Station
Borkhedi, Dist: Nagapur.

Located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M&H) Rules and amendments thereto subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to operate is granted for a period up to 30/07/2014.
2. The Consent is valid for the Storage and Handling of Chemicals to the maximum capacity of 9000 KL at a time.

No.	TANK NUMBER	PRODUCT NAME	TANK CAPACITY(KL)
1.	T - 101	Mono Ethylene Glycol	3000 KL
2.	T - 102	Edible Oil	3000 KL
3.	T - 103	Edible Oil	3000 KL
	TOTAL		9000 KL

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed: - $0.5M^3$.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed $5.0 M^3$

(iii) Trade Effluent :

Treatment: The applicant shall provide comprehensive treatment system consisting of primary / secondary and/ or tertiary treatment as is warranted with reference to influent quantity and operate and maintain the same continuously so as to achieve the quantity of the treated effluent to the following standards:

Sr. No.	Parameter		Limits
1	pH	Between	5.5 to 9.0
2	BOD 3 days	Not to exceed	100 mg/l
3	COD	Not to exceed	250 mg/l
4	Oil & Grease	Not to exceed	10 mg/l
5	Suspended Solids	Not to exceed	100 mg/l.

(iv) **Trade Effluent Disposal:** The balance treated effluent be reused/recycled in process to the maximum extent and remaining treated effluent shall be send to CETP or achieve Zero Discharge. There shall not be any discharge outside the factory premises.

(v) **Sewage Effluent Treatment:** The applicant shall 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)	Suspended Solids	Not to exceed	100	mg/l
(2)	BOD 3 days 27° C.	Not to exceed	100	mg/l.

(vi) **Sewage Effluent Disposal:** 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 only.

(vii) **Non-Hazardous Solid Wastes:**

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
Nil					

(viii) **Other Conditions:**

a) Industry shall monitor effluent quality regularly.

4. The applicant 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	...	6.0 CMD
(ii) Industrial Processing	...	0.5 CMD
(iii) Washing & Cleaning	...	0.0 CMD
(iv) Industrial Cooling	...	0.0 CMD
(v) Agriculture / Gardening	...	0.0 CMD

The applicant 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.

5. CONDITIONS UNDER AIR ACT :

(i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

a. Standards for Emissions of Air Pollutants:

(i) SPM/TPM	Not to exceed	50.0 mg/Nm ³
(ii) SO ₂	Not to exceed	10 Kg/Day

- (i) The applicant shall observe the following fuel pattern:-

Sr. No.	Type Of Fuel	Quantity	UOM
1.	Diesel	100	Lit /Hr

- (ii) The applicant shall erect the chimney(s) of the following specifications:-

Sr. No.	Chimney Attached To	Height in Mtrs.
1	DG Set (500 KVA)	3.0 Above the roof bldg

- (iii) Standards for Emissions of VOC Pollutants :

Sr. No	Petrochemical process / compounds	Maximum emission limit (mg/Nm ³) dry basis.
1	MA, PA, Phenol	20
2	Ethyl benzene (EB), Styrene, Toulene, Xylene, Aromatics, EG, PG	100
3	Non-methane HC (paraffin), Acetone, olefins	150

- (iv) Other Conditions:

1) The industry should not cause any nuisance in surrounding area.

- (v) The industry should monitor stack emissions and ambient air quality regularly.

c. Storage of Volatile Liquids : General Petroleum Products

- (1) Storage tanks with capacity between 4 to 75 m³ and total vapour Pressure (TVP) of more than 10 kpa should have Fixed Roof Tank (FRT) with pressure valve vent.
- (2) Storage tank with the capacity between 75 to 500 m³ and total vapour Pressure (TVP) of 10 to 76 kpa should have Internal Floating Root Tank (IFRT) or External Floating Root Tank (EFRT) or Fixed Roof Tank with vapour control or vapour balancing system.
- (3) Storage tanks with the capacity of more than 500 m³ and total vapour Pressure (TVP) of 10 to 76 kpa should have Internal Floating Roof Tank or External Floating Roof Tank or Fixed Roof Tank 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 Root Tank with vapour control system.
- (5) Requirement for seals in Floating Roof Tanks:
 - (i) (a) IFRT and EFRT shall be provided with double seals with minimum vapour 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) Inspection and maintenance of storage tanks shall be carried out under strict control. For the inspection, API RP 575 may be adopted, In-service inspection with regard seal gap should be carried out once in every six months and repair to be implemented in short time. In future, possibility of on-stream repair of both seals shall be examined.

Emission control for Road tank truck/Rail tank wagon loading		
Loading of Volatile Products	Gasoline and Naphtha:	
	(i) VOC reduction, % (ii) Emission, gm/m ³	(i) 99.5 (ii) 5
	Benzene:	
	(i) VOC reduction, % (ii) Emission, mg/m ³	(i) 99.99 (ii) 20
	Toluene/Xylene:	
	(i) VOC reduction, % (ii) Emission, mg/m ³	(i) 99.98 (ii) 150
Note:		
(i) It shall be applicable for Gasoline, Naphtha, Benzene, Toluene and Xylene loading.		
(ii) Road tank Truck shall have Bottom loading and Roll tank wagon shall have Top submerged loading.		
(iii) Annual leak testing for vapour collection shall be done.		

- (vi) 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.
- (vii) **Other Conditions:**
- 1] The products /Chemicals should be properly stored in tanks which should be absolutely leak proof. At no stage of handling, there should be leakage or spillage.
 - 2] The necessary arrangement for collection & treatment of leachate / tank bottom generated underneath the storage tank should be made along with provisions of Oil skimmers & necessary treatment arrangements for the same.
 - 3] High level alarm synchronized with cut off capacity should be provided to the storage tanks.
 - 4] The storage tanks should be kept in good conditions all the year round with adequate maintenance. The hazardous waste generated in handling, storage and transport should be disposed in accordance with Hazardous waste (M,H &T) Rules 2008 & related amendments made therein.
 - 5] The project authority should prepare On-site & Off-site emergency preparedness plan based on detailed risk analysis.

- 6] The internal roads should be cement concrete and should be maintained with adequate green belt.
- 7] The working area should be impermeable & covered with roof / shed.
- 8] Control Equipment: Applicant should 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.
- 9] The Applicant should regularly monitor ambient air quality and the emission of Volatile Organic Compound particularly Benzene, Toluene and Xylene from MoEf approved laboratory.
- 10] Monitoring of ground water (through Piezometric wells) 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.
- 11] The Applicant should not cause any nuisance in surrounding area.
- 12] The industry should not cause any nuisance in surrounding area.
- 13] The industry should monitor emissions of VOC Pollutants and ambient air quality regularly from MoEF approved laboratory.

b. Conditions for D.G. Set

1. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
2. 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.
3. The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
4. 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.
5. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
6. 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.
7. D.G. Set shall be operated only in case of power failure.
8. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

6. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008:

The applicant should handle hazardous waste as specified below

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
	Industry shall not generate any type of Hazardous waste			

7. General Conditions:

- i. The authorization shall comply with the provision of the environment (Protection) Act, 1986 and the Rules made there under.
- ii. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- iii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.
- iv. Solid waste – 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 to dumping ground.
- v. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant 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 & conditions of this consent regarding pollution levels.
- vi. The applicant shall not change or alter 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.
- vii. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- viii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- ix. 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 pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- x. The industry shall submit the annual report as per Rule 9(2) of Hazardous waste (M&H) Rule 1989 as amended 2003 for the calendar year in form IV before 31st January of every year.
- xi. The person authorized shall not rent, land sell, transfer or otherwise transport the hazardous waste without obtaining
- ix. As inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- xii. The applicant shall install a separate electric 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.
- xii. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes / sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- xiii. The industry shall ensure that fugitive emission from the activity is controlled so as to maintain clean and safe environment in and around the factory premises.
- xiv. The authorization or its renewal shall be produce for inspection at the request of an officer authorized by the State Pollution Control Board.

- xv. The person authorized shall not rent, land, sell, transfer or otherwise transport the hazardous waste without obtaining prior permission of the State Pollution Control Board.
- xvi. Any unauthorized change in personnel, equipment as working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
- xvii. It is the duty of the authorized person to take permission of the Maharashtra Pollution Control Board to close down the facility.
- xviii. All the conditions of this Consent shall be strictly implemented and the Consent Order shall be displayed at a prominent location in the factory premises.
8. This is issued pursuant to the decision of Consent Committee of the Board in its meeting held on 06th September 2013.
9. The applicant shall submit a **Bank Guarantee of Rs. 2.0 Lakh** at **Regional Officer, Nagpur** within 15 days for compliance of consent condition.
10. The Capital investment of the industry is Rs. 150.0 Lakhs.

(Rajeev Kumar Mital) IAS
Member Secretary

To,
M/s. Infrastructure Logistic System Ltd.,
PH No.74,S.No.131/1,
Near Butibori Railway Station
Borkhedi, Dist:Nagapur

Copy to:

- a. Regional Officer, MPCB, Nagpur.
b. Sub-Regional Officer, MPCB, Nagpur-II
c. Chief Account Officer, MPCB Mumbai.
d. Cess Branch, MPCB, Mumbai

Received Consent fee of -

Sr. No.	Amount	DD. No.	Date	Drawn On
1	15000/-	158941	21/01/2013	Central Bank of India
2	8750/-	160298	07/11/2013	Central Bank of India