

MAHARASHTRA POLLUTION CONTROL BOARD

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Consent order No :- Format 1.0/BO/CAC-Cell/EIC-TN-5696-15, KN-6793-15, RD-3062-15/CE/CAC - 118
Date- 04/01/2016

To,
M/s. Reliance Gas Pipelines Limited (RGPL)
Office Address: Building 10A, Ground Floor.
Reliance Corporate Park, Thane-Belapur Road,
Ghansoli, Navi Mumbai - 400701
(Project Name: Dahej Nagothane Ethane pipeline (DNEPL) for transportation of liquid Ethane)

Subject: Consent to Establish for laying of Liquid Ethane Transportation Pipeline in Red category.

Ref : Your Application approved in 10th CAC meeting of 2015-2016 held on 23.11.2015

Your application No. CE1504000170, CE1507000780, CE1530001123

Dated: 20.02.2015, 24.02.2015, 18.02.2015

For: Consent to Establish for laying of Liquid Ethane Transportation Pipeline

under Section 25 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 up to commissioning of the project or 5 years
2. The proposed capital investment of the project is Rs. 652 Crs (As per C.A. certificate submitted by project proponent) (For Thane Dist. 152.6 crs, for Raigad dist. 244.2 crs and for Palghar dist. 255.2 crs)
3. The Consent to Establish is valid for laying of pipeline as below:

Project Name: Dahej Nagothane Ethane pipeline (DNEPL) for transportation of liquid Ethane.
Capacity: 1.4 MMTPA. 12" dia. pipeline of length 230 km traverses through the State of Maharashtra. Dist. Wise breakup is as: Palghar-89 km, Thane-54 km, Raigad-87 km. In addition to the pipeline, 16 nos. Mainline Valve Stations (MLV), 1 no. Intermediate Pigging station (IPS), 1 no. Metering and Regulating station (M&R) are proposed to be installed in the state Maharashtra.

(The proposed 12" dia pipeline will originate from RILs Dahej Manufacturing Division (RIL-DMD) in Gujarat and terminate at RIL's Nagothane manufacturing Division (RIL-NMD) in Maharashtra. Total pipeline length of 486 km in Gujarat and Maharashtra)

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	108	As per Schedule -I	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.
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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 (15 KVA)	1	As Per Schedule -II
2	DG set (100 KVA)	1	As Per Schedule -II
3	DG set (125 KVA)	1	As Per Schedule -II

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
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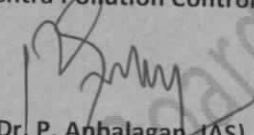
7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	5.1 Waste oil	0.5	MT/An num	--	Sale to authorized reprocessor

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. Applicant shall not take effective steps without obtaining Environmental Clearance and CRZ Clearance.
11. Applicant shall not take effective steps for implementation without obtaining NOC from Dahanu Taluka Environment Protection Authority (DTEPA) for project in Dahanu Taluka.
12. Other Conditions:
 - (i) The petroleum products should be transported through the pipeline which should be absolutely leak proof. At no stage of transport, there should be leakage or spillage.
 - (ii) Proper design and operational aspects of the system should be provided to ensure that soil and ground water are not contaminated during the transport of petroleum products.
 - (iii) The smooth & safe operation of the system shall be ensured by incorporating a computerized SCADA (Supervisory Control and Data Acquisition) system. Any leakage in the pipeline shall be immediately detected by the computer system & product pumping shall be immediately cut off.
 - (iv) The pipeline should be kept in good conditions all the year round with adequate maintenance.
 - (v) The hazardous waste generated in handling, storage and transport should be disposed off in accordance with Hazardous Wastes (M, H & T M) Rules 2008 and amendments made thereto.

- (vi) The project authority should prepare On-site & Off-site emergency preparedness plan based on detailed risk analysis.
- (vii) The Industry should regularly monitor the emission of Volatile Organic Compound.
- (viii) The industry should monitor ambient air quality regularly from MoEF approved laboratory.
- (ix) The industry should not cause any nuisance in surrounding area.
- (x) Top soil should be stacked separately and reused during the restoration.
- (xi) Land should be restored to near original condition after laying the pipeline.
- (xii) **Industry shall comply the MSIHC Rules 1989 as amended.**

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	Rs. 3,05,300/-	016360	13.02.2015	HDFC Bank
2	Rs. 4,88,500/-	016362	13.02.2015	HDFC Bank
3	Rs. 5,10,500/-	016361	13.02.2015	HDFC Bank

Copy to:

1. Regional Officer: Thane, Kalyan, Raigad and Sub-Regional Officer MPCB: Tarapur-II, Kalyan-I, Raigad-II
-- 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:

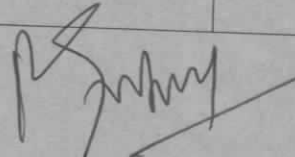
- 1) A) As per your application, you have proposed to provide septic tank and soak pit for treatment of domestic effluent.
- B) The Applicant shall operate the **septic tank and soak pit** to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards prescribed by Board
01	BOD (3 days 27oC)	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 only.
- 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) In case, the water consumption of the project is not covered under the water consumption of local body, in that situation, the project proponent shall submit the CESS Returns in the prescribed format given under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules made there under for various category of water consumption.

In case the water consumption is duly assessed under the quantity of water consumption of local body, the project proponent shall submit certificate to that effect from the concern local body with the request not to assess CESS on their water consumption, being already assessed on the water consumption of local body.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	134
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00



Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have proposed to install the Air pollution control (APC) system and also proposed to erect 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%	SO2 Kg/day
1	DG set (15 KVA)	Acoustic enclosure	1*	HSD	3.5 KLD	Ltrs/Hr	1	
2	DG set (100 KVA)	Acoustic enclosure	2*					
3	DG set (125 KVA)	Acoustic enclosure	2.2*					

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

2. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards.

Particulate matter	Not to exceed	150 mg/Nm ³ .
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3. 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.
4. 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

Proposed BG:

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period**	Purpose of BG	Compliance Period	Validity Date++
1	Consent to Establish	Rs. 10 lakh	15 days from date of issue of consent	Towards compliance of EC and C to E conditions.	Upto Commissioning or 5 years which ever is earlier	Validity of Consent + 4 months

** The above Bank Guarantee(s) shall be submitted by the applicant in favor 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



Schedule-IV

Conditions during construction phase

a	During construction phase, applicant shall provide temporary sewage disposal and MSW facility for staff and worker quarters.
b	During construction phase, the ambient air and noise quality should be closely monitored to achieve Ambient Air Quality Standards and Noise by the project proponent through MoEF approved laboratory.
c	Noise generating activity shall be carried out during day time only.

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 industry shall 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 30th June of every year.
- 7) **The industry shall comply with the E- waste (M & H) Rules, 2012.**
- 8) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 9) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity.**
- 10) 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).
- 11) 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.
- 12) 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.
- 13) 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
- 14) The industry should not cause any nuisance in surrounding area.
 - 15) 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.
 - 16) The applicant shall maintain good housekeeping.
 - 17) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.
 - 18) 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.
 - 19) 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.
 - 20) 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.
 - 21) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
 - 22) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.

