

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/ 24010437
Fax: 24023516
Website: <http://mpcb.gov.in>
E-mail: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd - 4th Floor
Opp. Cine Planet Cinema,
Near Sion Circle, Sion (E)
Mumbai-400 022.

Consent order No :- Format 1.0/BO/CAC-cell/CE/CAC-~~6145~~ 9195 Date- 18/07/2016

To,
M/s. H-Energy Gateway Pvt. Ltd.,
Village Dhamankhol Bay, Jaigad, Tal. & Dist. Ratnagiri.
(Located within premises of M/s. JSW Jaigarh Port Ltd.)

Subject: Consent to Establish to built the terminal for receiving, storage and re-gasification of LNG under RED category.

Ref :

1. Environmental and CRZ Clearance granted by MoEF, Gol vide no. F.No.10-17/2006-IA.III dated 19.12.2013 to M/s. JSW Jaigarh Port Ltd.
2. Amendment in Environmental and CRZ Clearance granted by MoEF, Gol vide no. F.No.10-17/2006-IA.III dated 30.03.2015 to M/s. JSW Jaigarh Port Ltd.
3. Transfer of EC and CRZ clearance relating to LNG terminal from M/s. JSW Jaigarh Port Ltd to M/s. H-Energy Gateway Pvt. Ltd vide F.No.10-17/2006-IA.III dated 03.03.2015 issued by MoEF&CC, Gol.
4. Consent to Establish granted vide no. Format 1./BO/JD (APC)/EIC No. KP- 9168-12/CAC-7347 Date 31/08/2013 to M/s. JSW Jaigarh Port Ltd.
5. Your application approved in 2nd CAC meeting of 2016-2017 held on 02.06.2016

Your application CE1511000427
Dated: 06.11.2015

For: Consent to Establish to built the terminal for receiving, storage and re-gasification of LNG 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 to establish is granted for a period upto: Commissioning of the unit or 5 year whichever is earlier
2. The proposed capital investment of the project is Rs. 3500 crs. (as per document submitted by applicant)
3. The Consent to Establish is granted inline of EC and CRZ Clearance granted vide reference no. (1 & 2) above to built the Terminal for receiving, storage and re-gasification of LNG - 8 MTPA:

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	10	As per Schedule -I	On land for gardening

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.	Gas Engine Generator (9 MW x 4 nos) for captive power	4	As per Schedule -II

	generation		
2	Emergency power generator 2MW x 1 no (as a backup power system)	1	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
--	--	--	--	--

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	--	--	--	--	--	--

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 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 and product pumping shall be immediately cut off.
11. LNG Terminal activity shall be developed strictly in accordance with the EC and CRZ clearance obtained (Environmental and CRZ Clearance granted by MoEF, Gol vide no. F.No.10-17/2006-IA.III dated 19.12.2013 and Amendment in Environmental and CRZ Clearance granted by MoEF, Gol vide no. F.No.10-17/2006-IA.III dated 30.03.2015).
12. PP shall submit an affidavit in prescribed format regarding compliance of conditions of EC-CRZ clearance and consent to establish.
13. Though M/s. H-Energy Gateway Pvt. Ltd., is implementing the project, the responsibility/accountability to comply with conditions stipulated under environmental and CRZ clearance shall remain with M/s. JSW Jaigarh Port Limited and M/s. JSW Jaigarh Port Limited shall be accountable for non-compliance of Environmental and CRZ Clearance conditions.

For and on behalf of the
Maharashtra Pollution Control Board

(P.K. Mirashe)
(P.K. Mirashe)

Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	70,00,000/-	Through RTGS	07.04.2016	--

Copy to:

M/s. JSW Jaigarh Port Ltd, S.No. 22, 24, 25, 26, 27, 28, 30, 31-40, 42-46, Village Dhamankol Bay, Post Jaigad, Tal. Ratnagiri Dist. Ratnagiri: As per letter issued by MoEF&CC, Gol vide F.No.10-17/2006-IA.III dated 03.03.2015 regarding Transfer of EC and CRZ clearance relating to LNG terminal from M/s. JSW Jaigarh Port Ltd to M/s. H-Energy Gateway Pvt. Ltd, though M/s. H-Energy Gateway Pvt. Ltd. is implementing the project, the responsibility/accountability to comply with conditions stipulated under environmental and CRZ clearance shall remain with M/s. JSW Jaigarh Port Limited and M/s. JSW Jaigarh Port Limited shall be accountable for non-compliance of Environmental and CRZ Clearance conditions

Copy to:

1. Regional Officer, MPCB, Kolhapur and Sub-Regional Officer, MPCB, Ratnagiri: They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.

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 or discharged in to the municipal sewerage system.

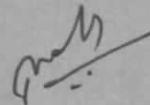
2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall 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.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	--
2.	Domestic purpose	12
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	--
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	--
5.	Gardening	--

5) 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.



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-

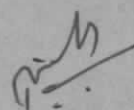
Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type Of Fuel	Quantity & UOM	%
1	Gas Engine Generator (9 MW x 3 nos) for captive power generation	Acoustic enclosure	30	Natural gas.	2 Ton/hr for all.	--
2	Gas Engine Generator (9 MW x 1 nos) for captive power generation	Acoustic enclosure	30	Dual fuel type (Natural gas/ Diesel)	2 Ton/hr of Natural Gas or consuming approx. 202 M3/hr of diesel only for black start up.	--
3	Emergency power generator 2MW x 1 no. (as a backup power system)	Acoustic enclosure	30	Diesel	0.4 M3/hr	1

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

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 .
--------------------	---------------	--------------------------

3. The Applicant 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.
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).
5. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.



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++
1	C to E	Rs. 10 lakh	15 days from date of issue consent	Towards compliance of EC-CRZ clearance and consent to establish conditions.	Continuous	Validity of this consent + 4 months

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

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 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 Hazardous 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 obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.**
- 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 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
- 17) The industry should not cause any nuisance in surrounding area.
 - 18) 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.
 - 19) The applicant shall maintain good housekeeping.
 - 20) 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.
 - 21) 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.
 - 22) 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.
 - 23) 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.
 - 24) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
 - 25) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.

