

F. No. 11-01/2014-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 3

Date: 5th March, 2019

To,

The Director
M/s HPCL Shapoorji Energy Ltd,
SP Centre, 41/44, Minoo Desai Marg,
Colaba, Mumbai - 400005 (Maharashtra)
Email: mukundan.srinivasan@shapoorji.com

Subject: Development of LNG storage and re-gasification terminal at village Chhara, Taluka Kodinar, District Gir Somnath, Gujarat by M/s HPCL Shapoorji Energy Ltd - Environmental and CRZ Clearance - reg.

Sir,

This has reference to your online proposal No. IA/GJ/MIS/61501/2014 dated 23rd February, 2017 submitted to this Ministry for grant of Environmental (EC) and CRZ Clearance in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 and Coastal Regulation Zone (CRZ) Notification, 2011, under the Environment (Protection), Act, 1986.

2. The proposal for grant of environmental and CRZ clearance to the project 'Development of LNG storage and re-gasification terminal at village Chhara Taluka Kodinar, District Gir Somnath, Gujarat by M/s HPCL Shapoorji Energy Ltd' was considered by the Expert Appraisal Committee (Infra-2) in its meetings held on 12-14 April, 2017 and 25-27 May, 2017. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above meeting, are under:-

- (i) The proposed project is for setting up a 5 MMTPA LNG Terminal within the area of proposed Chhara port.
- (ii) The Environmental and CRZ Clearance for the construction of Chhara port was granted on 6th January, 2014.
- (iii) The project is for development of LNG storage and re-gasification terminal at village Chhara Taluka Kodinar, District Gir Somnath, Gujarat by M/s HPCL Shapoorji Energy Ltd.
- (iv) On-shore LNG storage and re-gasification facilities for 5 MMTPA capacity (expandable to 10 MMTPA) are planned.
- (v) Land requirement for the LNG Terminal will be 47 ha. No land procurement is required for LNG terminal as it will be located within boundary of the port at Chhara by M/s Simar Port Private Limited.
- (vi) Facilities planned in CRZ area include 1 no. LNG Jetty with 3 Nos. unloading arms, approach trestle of length 1225 m with pipelines, 6 mooring and 4 berthing dolphins, LNG transfer lines from jetty to storage tanks, vapor return line from tankages to jetty, utilities for firewater, 2 nos Storage Tanks of 200,000 cum each (gross capacity), re-gasification facilities comprising of



BOG Compressor, HP Pumps, Shell and Tube Vaporizers, Submerged Combustion Vaporizer and air heaters, Glycol water tanks and circulation system, Re-condenser, U/G LNG Drain drum, LNG Send out facilities comprising truck loading, LNG Metering station, Weigh bridge, TLG Control room, Truck parking, Security Watch Tower and Security Gate

- (vii) Facilities planned in on-shore area are BOG Compressors, HP Pumps, Submerged Tube Vaporizers, Submerged Combustion Vaporizer, Air Heaters, LP Flare, Truck Loading Facility, Captive Power Plant (18 MW), Fire Water Pump House, Nitrogen Generation Facility, Fire Water Reservoir, Re-condenser Unit, Diesel Tank, and Overhead DW Tank & DW Pump
- (viii) **TOR details:** Terms of Reference was granted by MoEFCC vide letter No.11-1/2014-IA.III dated 13th Jun 2014.
- (ix) **Cost of the project** is Rs. 5408.82 crores
- (x) **Public Hearing** for the project was conducted on 18th December, 2015 at Chhara, Kodinar (Project site).
- (xi) **SCZMA Recommendations:** The Gujarat Coastal Zone Management Authority (GCZMA) has recommended the Project vide letter no. ENV-10-2016-50-E (T cell) dated February 2, 2017.
- (xii) There are no protected areas like National Parks, Wildlife Sanctuary and Biosphere Reserves within 10 km radius of the proposed site. Reserve forests are present in Sarakhadi, and Chhara villages on west and east side of the port site. Gir Wildlife Sanctuary and National Park is located at a distance of approximately 22 km from the proposed LNG Terminal site
- (xiii) There are two fresh water bodies within 10 km radius of the proposed site. These are Panchpipalva Bandhara (9.0 km towards North-East direction) and Sodam Bandhara (3.0 km towards east). Proposed project will not be withdrawing water or discharging any effluents to these water bodies.
- (xiv) Coastal beach on coast of Kodinar taluka is known for nesting of Sea turtles reported to regularly nest on flat sandy beaches at about 2 km from the project site towards east. Shoreline near the project site is rocky and not suitable for turtle nesting. Commercial fishing operations prevail in the near shore waters off Chhara-Madhwad using gill net operations. In deeper waters off Sarakhadi/Veraval fishing by trawlers is common. Due to presence of shoal bank no fishing activity is carried out at the site of proposed project.
- (xv) LNG terminal will be designed considering IS 1893 (Part 1): 2002 Indian Standard "Criteria for Earthquake Resistant Design of Structures" for buildings and non-process related structures. LNG terminal will be monitored and controlled from a continuously manned Central Control Room (CCR) located in the control Room building. Emergency Shut Down (ESD) system is part of the main Plant Control & Monitoring system
- (xvi) **Employment potential:** For the operation of LNG terminal around 100 people will be employed.
- (xvii) **Benefits of the project:** LNG Terminal will improve socioeconomic condition of the region as well as bring economic benefit to the people. It will also increase business and employment opportunity.

3. The EAC, in its meeting held on 25-27 May, 2017, after detailed deliberations

on the proposal, has recommended for grant of Environmental and CRZ Clearance to the project. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project 'Development of LNG storage and re-gasification terminal' at village Chhara Taluka Kodinar, District Gir Somnath, Gujarat by M/s HPCL Shapoorji Energy Ltd - Further consideration for Environmental and CRZ Clearance, under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the specific and general conditions as under:-

PART A – SPECIFIC CONDITIONS:

- (i) Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.
- (ii) All the recommendations and conditions specified by The Gujarat Coastal Zone Management Authority (GCZMA) vide letter no. ENV-10-2016-50-E (T cell) dated February 2, 2017 shall be complied with.
- (iii) The project proponent shall ensure that the project is in consonance with the new CZMP prepared by the State Government under the provisions of the CRZ Notification, 2011.
- (iv) The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.
- (v) Shoreline should not be disturbed due to any activity. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring report.
- (vi) The ground water shall not be tapped within the CRZ areas by the Project Proponent to meet with the water requirement in any case. Monitoring of ground water shall be carried out as per CGWA guidelines.
- (vii) Based on the Comprehensive Marine EIA study done by National Institute of Oceanography (NIO) as submitted with EIA/EMP report, a detailed marine biodiversity management plan shall be prepared on marine, brackish water and fresh water ecology and biodiversity and implemented. The report shall be based on a study of the impact of the project activities on the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, subtidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles, birds etc. as also the productivity. The data collection and impact assessment shall be as per standards survey methods. It will also address to the whales and turtles and the impact of oil spills on the complete spectrum of marine biology.
- (viii) Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components as part of the management plan. Marine ecology shall be monitored regularly also in terms of all micro, macro and mega floral and faunal components of marine biodiversity.

- (ix) Online pollutant monitoring shall be provided as per CPCB guidelines for monitoring particulate matter, SO₂, NO_x and CO from the stack. HC and CO to be included in the regular AAQ monitoring.
- (x) Apart from Emergency Response Plan as submitted with EIA/EMP report, the project proponents would also draw up and implement a management plan for the prevention of fires due to simultaneous handling of coal and LNG in close vicinity.
- (xi) The project proponents will draw up and implement an action plan to watch the interest of the fishing communities, apprehensive of adverse impacts, particularly fisherman communities in the villages of Dhamleg, Muldwaraka, Chhara, Madhwad, Kotrada and Velna.
- (xii) Ship movements shall be so regulated that the mangroves of the Madhwad creek, reported to be 7 Kms away from the project site are not adversely affected.
- (xiii) Spillage of fuel / engine oil and lubricants from the construction site are a source of organic pollution which impacts marine life, particularly benthos. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.
- (xiv) Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.
- (xv) All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.
- (xvi) The commitments made during the Public Hearing and recorded in the Minutes shall be complied with letter and spirit. A hard copy of the action taken shall be submitted to the Ministry.
- (xvii) Vocational Training shall be included in the CSR.
- (xviii) All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to the RO, MoEF&CC along with half yearly compliance report.
- (xix) As per the Ministry's Office Memorandum F.No.22-65/2017-IA.III dated 1st May 2018, the project proponent shall prepare and implement Corporate Environment Responsibility (CER) Plan.

PART B - GENERAL CONDITIONS

- (i) Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.
- (ii) Full support shall be extended to the officers of this Ministry/ Regional Office at Chennai by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.
- (iii) A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Chennai regarding the implementation of the stipulated conditions.

- (iv) Ministry of Environment, Forest and Climate Change or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.
- (v) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.
- (vi) In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment, Forest and Climate Change.
- (vii) The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.
- (viii) A copy of the clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/ representation have been made received while processing the proposal.
- (ix) A copy of this clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The Clearance letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.

4. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

5. The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental and CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhopal.

6. This clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project.

7. Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

8. Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.

9. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

10. The proponent shall upload the status of compliance of the stipulated Clearance conditions, including results of monitored data on their website and shall

update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.

11. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.

12. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of Clearance conditions and shall also be sent to the respective Regional Office of MoEF&CC by e-mail.

13. The above stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification 1994, including the amendments and rules made thereafter.

14. This issues with the approval of the Competent Authority.


(Kushal Vashist)
Director

Copy to:

- 1) The Secretary, Forests & Environment Department, Government of Gujarat, Block No. 14, 8th Floor, Secretariat, Gandhinagar - 382 010, Gujarat.
- 2) The Additional Principal Chief Conservator of Forests, Ministry of Environment, Forest and Climate Change, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal - 462016, Madhya Pradesh.
- 3) The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
- 4) The Chairman, Gujarat State Pollution Control Board, Sector 10-A, Gandhi Nagar - 382043, Gujarat.
- 5) Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
- 6) Guard File/ Record File/ Notice Board.
- 7) MoEF&CC Website.


(Kushal Vashist)
Director



F. No. 11-01/2014-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Jal Wing, 3rd Floor, Jor Bag Road,
New Delhi - 110003

Dated: 30th May, 2022

To,

M/s. HPCL LNG Limited,
Village Chhara, Taluka Kodinar,
District Gir Somnath, Gujarat

Sub: Development of LNG storage and re-gasification terminal by M/s. HPCL Shapoorji Energy Ltd at Village Chhara, Taluka Kodinar, District Gir Somnath, Gujarat - **Transfer of Environment Clearance regarding.**

Sir,

This has reference to your online proposal no. IA/GJ/IND2/263246/2022 dated 21st April, 2022 regarding transfer of Environmental Clearance to the above project, from M/s. HPCL Shapoorji Energy Ltd. to M/s. HPCL LNG Limited.

2. Ministry of Environment, Forests and Climate Change issued Environmental & CRZ Clearance vide letter No. 11-01/2014-IA-III dated 05th March, 2019 to M/s. HPCL Shapoorji Energy Ltd. for Development of LNG storage and re-gasification terminal at Village Chhara, Taluka Kodinar, District Gir Somnath, Gujarat.

3. Now, M/s. HPCL Shapoorji Energy Ltd. informed that name of the company has changed from M/s. HPCL Shapoorji Energy Ltd. to M/s. HPCL LNG Limited with change of ownership. In this regard, a copy of Certificate of Incorporation registered with the Registrar of Companies, Ahmedabad with CIN: U40101GJ2013PLC077228 is also submitted.

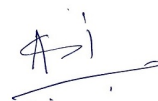
4. M/s. HPCL Shapoorji Energy Limited (HSEL) was a joint venture company between M/s. Hindustan Petroleum Corporation Ltd. (HPCL) and M/s. SP Ports Private Limited (SPPPL). The company was converted to Private Limited Company effective April 23, 2015. Further, HPCL acquired the 50% equity shareholding of SPPPL and same was transferred in favour of HPCL on March 30, 2021. Considering the transfer of share to HPCL, the company has become a Wholly Owned Subsidiary of HPCL. Accordingly, the name of the Company has been changed effective September 06, 2021 and has been converted from Private Limited to

Asl

Public Limited Company effective September 10, 2021. A copy of undertaking signed by Shri K Sreenivasa Rao, Chief Executive Officer of M/s. HPCL LNG Limited has been submitted stating to abide by the terms and conditions prescribed in the environmental clearance dated 05th March, 2019.

5. As per the relevant provisions of the EIA Notification, 2006, the environmental clearance to the project for Development of LNG storage and re-gasification terminal by M/s. HPCL Shapoorji Energy Ltd. at Village Chhara, Taluka Kodinar, District Gir Somnath, Gujarat was granted by this Ministry vide letter of even No. dated 05th March, 2019 is hereby transferred from M/s. HPCL Shapoorji Energy Ltd. to M/s. HPCL LNG Limited, on the same terms and conditions under which prior environmental clearance was initially granted.

6. This issues with approval of the competent authority.



(A. N. Singh)

Scientist-'E'

Copy to:-

1. The Principal Secretary, Forests & Environment Department, Government of Gujarat, Sachivalaya, 8th Floor, Gandhi Nagar - 382 010 (Gujarat)
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Gandhi Nagar, A wing- 407 & 409, Aranya Bhawan, Near CH-3 Circle, Sector-10 A, Gandhi Nagar-382010
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
4. The Member Secretary, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector 10 A, Gandhi Nagar-382 043 (Gujarat)
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
6. The District Collector, Gir Somnath, Gujarat
7. Guard File/Monitoring File/Parivesh portal/Record File



(A. N. Singh)

Scientist-'E'

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