



# M/s. HPCL LNG LIMITED

## EC Compliance Report –

### Development of LNG Storage and Re-gasification Terminal at village Chhara, Taluka Kodinar, District Gir Somnath, Gujarat

DEC 2022 to MAY 2023



**M/s. HPCL LNG LIMITED**  
**(Formerly known as HPCL Shapoorji Energy Pvt. Ltd.)**

**EC Compliance Report**

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## **SIX MONTHLY COMPLIANCE OF ENVIRONMENTAL CLEARANCE FOR THE MONTH DEC 2022 to MAY 2023**

### **M/s. HPCL LNG LIMITED. (Ref: FILE NO: 11-01/2014-IA III DATED 5<sup>TH</sup> MARCH 2019)**

#### **About Project:**

M/s. HPCL LNG LTD. "HPLNG" (formerly known as M/s. HPCL Shapoorji Energy Pvt. Ltd. "HSEPL"), is developing a 5 MMTPA Greenfield LNG Storage and Regasification Terminal at Village Chhara, District Gir-Somnath, Gujarat. The LNG Terminal is being developed within Chhara Port.

The Chhara Port is being developed by M/s Simar Port Pvt. Ltd. "SPPL" under Concession Agreement between Gujarat Maritime Board "GMB", Simar Port Pvt. Ltd., and Government of Gujarat.

HSEPL was granted Environmental and CRZ Clearance vide letter F.No. 11-01/2014-IA-III dated 5<sup>th</sup> March 2019, for development of LNG storage and Re-gasification Terminal at Village Chhara, Taluka Kodinar, District Gir Somnath, Gujarat.

There is a change in corporate structure of HPCL Shapoorji Energy Private Limited "HSEPL". HSEPL became a 100% subsidiary of Hindustan Petroleum Corporation Limited "HPCL" on 30<sup>th</sup> March 2021, by acquiring 50% stake in HSEPL held by M/s. SPPPL. It is now a Public Limited Company and its name changed to HPCL LNG Limited "HPLNG" effective 10<sup>th</sup> September 2021.

In this regard, HPLNG applied for name change application in EC letter with Ministry of Environment & Forests with Proposal No. IA/GJ/IND2/263246/2022 dated 24/03/2022.

The Environmental Clearance has been transferred in the name of HPLNG vide letter F.No. 11-01/2014-IA-III dated 30<sup>th</sup> May 2022, for development of LNG storage and Re-gasification Terminal at Village Chhara, Taluka Kodinar, District Gir Somnath, Gujarat.

LNG Terminal site development activities commenced from September 2019. The project has achieved its mechanical completion on 28<sup>th</sup> March 2023 and is ready for Pre-commissioning as of May 2023.

**A. Compliance Status on Environmental and CRZ Clearance**

S. No.	Condition	Status	Status of Compliance
<b>A</b>	<b>Specific Conditions</b>		
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.	Being Complied	Construction activity is being carried out according to the provisions of CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification will 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.	Agreed	Compliance of recommendation are attached as <b>Annexure 1</b>
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.	Complied	
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.	Complied	There are no creeks or rivers within the proposed LNG Terminal area.
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 reports.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
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.	Being Complied	During construction phase required water sourced by tanker from Kodinar and Dewali Village. Ground water is not being used as water source during construction and operation phase.  No ground water tapping. Piezometers are installed at project site for under ground water monitoring.  Ground water is being monitored; water analysis reports are attached as <b>Annexure 3</b> .



S. No.	Condition	Status	Status of Compliance
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.	Will be Complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
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 micros, macro and mega floral and faunal components of marine biodiversity.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
ix.	Online pollutant monitoring shall be provided as per CPCB guidelines for monitoring particulate matter, SO <sub>2</sub> , NO <sub>x</sub> and CO from the stack. HC and CO to be included in the regular AAQ monitoring.	Will be complied	The Online stack monitoring devices have been Installed and the regular monitoring shall be carried out during plant operation.
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	Complied	Emergency Response & Disaster Management Plan has been prepared, approved by HPLNG Board and submitted to PNGRB.

S. No.	Condition	Status	Status of Compliance
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.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
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.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
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.	Being complied	Adequate measures are implemented as per GPCB guidelines and are being monitored.
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.	Being complied	Effluents and solid waste generation is not envisaged in LNG plant operation. For construction stage, solid waste is being handled as per GPCB guideline.
xv.	All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.	Being complied	All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines are being 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.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
xvii.	Vocational Training shall be included in the CSR.	Will be complied	The Project is currently under construction stage. CSR activities will be planned upon commencement of commercial operations of the LNG Terminal.
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.	Will be complied	Mitigation measures like Covering trucks to prevent dust emission, temporary sanitation facilities and water tanker from nearby villages are being complied.

S. No.	Condition	Status	Status of Compliance
			All the mitigation measures submitted in the EIA report will be implemented. Ambient air quality and Noise level monitoring results for the site are attached as <b>Annexure 3</b>
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.	Being complied	Corporate Environment Responsibility (CER) plan shall be prepared and implemented.  As a part of CER and to help local administration in fighting COVID-19 pandemic, HPLNG distributed Oxygen Concentrators & Ventilators.  HPLNG has received "CERTIFICATE" from Taluka Health Office for donating the medical equipment's  Certificate for the same is attached as <b>Annexure 16</b> .
<b>B</b>	<b>General Conditions</b>		
i.	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.	Being complied	Piezometers are installed at site. Ground water quality is being checked on quarterly basis.  Ground water analysis reports are attached as <b>Annexure 3</b> .
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.	Agreed	HPLNG will extend full support to the officers of MOEF/ Regional Office.
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.	In Progress	Six-monthly monitoring report is being submitted to the Ministry and HPLNG will continue to adhere to this provision.
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	Agreed	HPLNG acknowledges that MOEF and other competent authority may stipulate additional conditions or modify the existing ones. HPLNG will comply with the conditions as stipulated by MOEF/competent authority.

S. No.	Condition	Status	Status of Compliance
	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.	Agreed	
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.	Agreed	HPLNG has applied and received Environmental Clearance vide letter F.No. 11-01/2014-IA-III dated 30th May 2022 upon change in name.
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.	Agreed	<p>HPLNG achieved financial closure on 29<sup>th</sup> January 2022. Common Rupee Loan Agreement was signed between HPLNG and State Bank of India (SBI).</p> <p>HPLNG has received Consent to Establish (CTE) no. 78045 from the Gujarat Pollution Control Board (GPCB) vide letter no. GPCB/JING-C-120/ID-50585/352346 dated 13/04/2016 which is attached as <b>Annexure 4</b>. (Please Note: - Application for CTE Renewal has been submitted and is under process from GPCB)</p> <p>HPLNG has received authorization by the Gujarat Maritime Board (GMB) to construct and maintain LNG Terminal at Chhara Port vide letter no. GMB/N/PVT-1/1628/439/7447 dated 01/11/2019. Which is attached as <b>Annexure 5</b></p> <p>Land development work started from September 2019</p>
viii.	A copy of the clearance letter shall be marked to concern Panchayat/local NGO, if any, from whom any suggestion/representation have been made received while processing the proposal.	Complied	<p>Please refer <b>Annexure 6</b> for copy of clearance letter submitted to District Development Officer of Gir Somnath District.</p> <p>Please refer <b>Annexure 7</b> for copy of clearance letter submitted to Taluka Development Officer of Kodinar – District Gir Somnath</p> <p>Please refer <b>Annexure 8</b> for copy of clearance letter submitted to Municipal Corporation, Kodinar, District Gir Somnath.</p>

S. No.	Condition	Status	Status of Compliance
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.	Complied	Copies of Clearance letters have been submitted to District Development Officer Gir-Somnath, Taluka Development Office of Kodinar and Municipal Corporation Kodinar
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.	Being complied	<p>Please refer <b>Annexure 10</b> for Permission for Construction of LNG Import, Storage, regasification Terminal at Chhara from PESO</p> <p>Please refer <b>Annexure 11</b> for Approval for construction of Jetty for handling of LNG at Chhara Port from PESO</p> <p>Please refer <b>Annexure 12</b> for Approval of laying of 36", 1.2 Km long LNG Circulation lines (2 Numbers) &amp; 12", 1.2 km long vapour line from LNG receiving Jetty to B/L of Regasification Terminal at Chhara from PESO.</p>
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 <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> . 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.	Complied	<p>Please refer <b>Annexure 13</b> for copy of EC advertisement in The Times of India on March 11, 2019.</p> <p>Please refer <b>Annexure 14</b> for copy of advertisement in Gujarat Kesari on March 11, 2019.</p> <p>Please refer <b>Annexure 15</b> for copy of letter dated March 20, 2019, forwarded to the Regional office of this Ministry at Bhopal.</p>
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.	Agreed	
7	Any appeal against this clearance shall lie with the National Green	Noted	

S. No.	Condition	Status	Status of Compliance
	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.	Complied	The six-monthly compliance reports have been uploaded on <a href="http://www.hplng.in">www.hplng.in</a> under regulatory requirements section.
9	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/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.	Complied	<p>Please refer <b>Annexure 6</b> for copy of clearance letter submitted to District Development Officer of Gir Somnath District.</p> <p>Please refer <b>Annexure 7</b> for copy of clearance letter submitted to Taluka Development Officer of Kodinar – District Gir Somnath</p> <p>Please refer <b>Annexure 8</b> for copy of clearance letter submitted to Municipal Corporation, Kodinar, District Gir Somnath.</p> <p>Copy of clearance letter has been uploaded on the company website.</p>
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.	Complied	The six-monthly compliance reports have been uploaded on <a href="http://www.hplng.in">www.hplng.in</a> under regulatory requirements section.
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 copy as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.	Complied	Six-monthly monitoring report is being submitted to the Ministry and HPLNG will continue to adhere to this provision.
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	Agreed	The six-monthly compliance reports have been uploaded on <a href="http://www.hplng.in">www.hplng.in</a> under regulatory requirements section. Also, the compliance reports are also sent to the regional office of MoEF&CC by e-mail.

<b>S. No.</b>	<b>Condition</b>	<b>Status</b>	<b>Status of Compliance</b>
	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.	Agreed	

**ANNEXURE 1: COMPLIANCE WITH RECOMMENDATIONS OF GCZMA AND PCCF****CRZ Clearance – Specific Conditions****(Ref. No. ENV-10-2016-50-E (T-cell) February 2, 2017)**

<b>S. No.</b>	<b>Recommendation</b>	<b>Status</b>	<b>Status of Compliance</b>
1.	The provisions of the CRZ Notification of 2011 shall be strictly adhered to by M/s SPL. No activity in contradiction to the provisions of the CRZ Notification shall be carried out by M/s HPCLSEPL	Agreed	Please refer <b><i>Annexure 2</i></b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.  HPLNG shall ensure that CRZ Notification is strictly adhered to.
2.	The HPCLSEPL shall ensure that adequate numbers of underpasses are provided in road construction to minimize the wildlife conflict and also traffic management plan shall be implemented as per report, in consultation with PCCF(WL) and allocate adequate fund for the same.	Will be complied	Please refer <b><i>Annexure 2</i></b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
3.	The HSEPL shall ensure that the over bridge is provided with adequate height with ground level, wherever, it is not possible to provide underpasses to minimize the Wildlife conflict, in consultation with PCCF(WL) and allocate adequate fund for the same.	Will be complied	Please refer <b><i>Annexure 2</i></b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
4.	A Marine Conservation center may be developed at Chhara with objective of educating the people and creating awareness amongst the people for Wildlife conservation.	Will be complied	Please refer <b><i>Annexure 2</i></b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
5.	The HPCLSEPL shall earmark appropriate fund for the cause of conservation of lion and conflict management with "Lion Conservation Society" on annual basis.	Will be complied	Please refer <b><i>Annexure 2</i></b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
6.	100 m green belt shall be developed by the HSEPL outside the hard boundary. i.e. after the footprint of layout of the plant, in consultation with Forests	Will be complied	Please refer <b><i>Annexure 2</i></b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments



S. No.	Recommendation	Status	Status of Compliance
	Department and maintenance will be done by HPCLSEPL.		regarding compliance of the condition.  PCCF has responded to the SPPL letter no. SPPL/Chhara/80/2019. PCCF letter is attached as <b>Annexure 2C</b> .
7.	The HPCLSEPL shall have to comply with all other conditions/ recommendations made by the PCCF (WL) vide his letter No: WLP/32/A/1501-1504/2016-17 dated 02-12-2016.	Will be complied	Compliance with all other conditions/ recommendations made by the PCCF (WL), given in <b>Annexure 1 – PCCF Conditions</b>
8.	The HPCLSEPL shall not start any construction activity without obtaining Environmental Clearance and CRZ clearance from the MoEF&CC, GOI.	Complied	HPLNG has received EC and CRZ clearance for the construction activity vide letter no. F. No. 11-01/2014-IA-III, Dated 5 <sup>th</sup> March, 2019
9.	All necessary permissions from different Government Departments/ agencies shall be obtained by M/s. HSEPL before commencing any enabling activities.	Complied	All relevant permissions obtained and construction activity commenced in June-2019.
10.	Dredging disposal site may be examined to ensure that it does not adversely affect the region west to the proposed port, which is known for whale shark presence and it shall be based on the modeling study done by the an agency of National repute.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
11.	All the recommendations and suggestions given by NEERI Nagpur in their Comprehensive Environment Impact Assessment reports for conservation protection and betterment of environment shall be implemented strictly by M/s HPCLSEPL	Will be complied	Please refer <b>Annexure 3</b>
12.	The construction and operational activities shall be carried out in such a way that there is no negative impact on mangroves, if any, and other important coastal /marine habitats. The construction activities shall be	Complied	As per EIA report by NEERI, there are no mangroves at project site

S. No.	Recommendation	Status	Status of Compliance
	carried out only under the guidance / supervision of the reputed institute / organization.		
13.	M/s HPCLSEPL shall strictly ensure that no creeks or rivers are blocked due to any activity at the site.	Complied	There are no creeks or rivers within the proposed port area.
14.	The construction debris and /or any other type of waste shall not be disposed of into the sea, creek or in the CRZ areas. The debris shall be removed from the construction site immediately after the construction is over.	Being Complied	All the debris are removed from site and disposed as per statutory guidelines.
15.	The construction camps shall be located outside the CRZ area and the construction labour shall be provided with the necessary amenities, including sanitation, water supply and fuel and it shall be ensured that the environmental conditions are not deteriorated by the construction labours.	Agreed, being complied	Photographs are given in <b>Annexure 17</b>
16.	M/s SPL shall prepare and regularly update their Local Oil Spill Contingency and Disaster Management Plan in consonance with the National Oil Spill and Disaster Contingency Plan and shall submit the same to this Department after having it vetted through the Indian Coast Guard.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
17.	M/s HPCLSEPL shall bear the cost of the external agency that may be appointed by this Department for supervision / monitoring of proposed activities and the environmental impacts of the proposed activities.	Complied	HPLNG agrees to bear the cost of external agency.
18.	The groundwater shall not be tapped within the CRZ areas by the SPL to meet with the water requirements in any case.	Being complied	This recommendation was included in EC as General Condition (vi) and is responded above.
19.	Massive greenbelt development program including the mangrove plantation in 50 ha. shall be	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments

S. No.	Recommendation	Status	Status of Compliance
	carried out in consultation with the Gujarat Ecology Commission/ Forest Department by M/s HPCLSEPL.		regarding compliance of the condition.  PCCF has responded to the SPPL letter no. SPPL/Chhara/80/2019. PCCF letter is attached as <b>Annexure 2C</b> .
20.	M/s HPCLSEPL shall have to contribute financially for taking up the socio-economic upliftment activities in this region in consultation with the Forests and Environment Department and the District Collector / District Development Officer.	Being complied	As a part of CER and to help local administration in fighting COVID19 pandemic, HPLNG (formerly known as HSEPL) distributed Oxygen Concentrators & Ventilators.  "CERTIFICATE" received from Taluka Health Office for donating the medical equipments  Certificate for the same is given as <b>Annexure 16</b>  The Project is currently in construction stage. CSR activities will be planned upon commencement of commercial operations of the LNG Terminal.
21.	A separate budget shall be earmarked for environmental management and socio-economic activities including the greenbelt/ mangrove plantation and details thereof shall be furnished to this Department as well as the MoEF& CC, GOI. The details with respect to the expenditure from this budget head shall also be furnished along with the compliance report.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
22.	A separate Environmental Management Cell with qualified personnel shall be created for environmental monitoring and management during construction and operational phases of the project.	Being Complied	Qualified personnel have been deputed for environmental monitoring and management during construction phase and for operation phase HPLNG will set up HSE department.
23.	Environmental Audit report indicating the changes, if any, with respect to the baseline environmental quality in the	-	Not applicable to period under review.

S. No.	Recommendation	Status	Status of Compliance
	coastal and marine environment shall be submitted every year by M/s HPCLSEPL to this Department as well as to the MoEF&CC, GOI.		Will be complied during operation phase.
24.	A six-monthly report on compliance of the conditions mentioned in this letter shall have to be furnished by M/S HPCLSEPL on a regular basis to this Department as well as to the Ministry of Environment, Forests and Climate Change, Government of India	In progress	Six-monthly monitoring report Is being submitted to the Ministry and HPLNG will continue to follow to this provision.
25.	Any other condition that may be stipulated by this Department/ Ministry of Environment Forests and Climate Change, Government of India from time to time for environmental protection / management purpose shall also have to be complied with by M/s HPCLSEPL.	Agreed	
<b>PCCF Conditions</b>			
1.	The phase I of project envisaged 5 MTPA (million tonne per annum) of coal which is likely to generate vehicle 400 truck. While phase II envisages that the LNG terminal will be having capacity of 5MMTP A expandable upto 10 MMTP A and this will generate significant traffic of more than 1000 trucks per day during operation.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
2.	The road route proposed for phase II has been slightly modified from that in phase-I. The Sarkadi village will now come to the west of the road. The old and new alignment is as shown in annexure 1 of report. The new alignment must be studied and adequate number of underpasses needs to be provided as suggested in EIA Report as well as Lion Conservation Plan.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.

S. No.	Recommendation	Status	Status of Compliance
3.	During construction phase the movement of material would be through ship & road. The site manager informed that some material of proposed extension (including old one as it is not yet constructed) is to be brought from local quarries. Therefore the road construction with underpasses is must beforehand so that wildlife conflict is minimal. The traffic management plan as proposed in repost is necessary.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
4.	The Pipavav Port the lion death due to accident was mainly due to blockage in natural lines. The same should not happen here so elevated section and green belt must be implemented as per recommendations. However, the road construction is being done by R&B department of Government of Gujarat who may not be aware of the conditions. There are no underpasses in section from NH8E to Bawana Pipaliva. SPPL may be asked to ensure that the underpasses are constructed.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
5.	During construction phase the movement of material would be through ship & road. Even though the report & letter gives priority to ship load of material the site manager informed that some material of proposed extension (including old one as it is not yet constructed) is to be brought from local quarries. Therefore the road work with underpasses are necessary so that wildlife conflict is minimal. The traffic management plan as proposed in report is necessary.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
6.	During operational phase the transport LNG and coal is through rails, trucks and LNG pipelines. If the new LPG terminal is proposed then before it gets connected to	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.

S. No.	Recommendation	Status	Status of Compliance
	pipeline may be re-gasified in cylinders and then transported. It may be suggested that the bottling plant should be near the Town to minimize additional truck traffic. It may be recommended that the bottling plant may be outside this area and may be connected through pipe line. The idea of connecting the supply with GSPL grid may be preferred over truck transportation.		During operation phase, RLNG supply will be through pipeline connecting to GSPL Gas Grid.
7.	During operational phase the EIA report suggests that there will be uncontrolled commercial growth that may impact agriculture activities. The report suggests that planning authorities of the region have to come with development strategy to regulate the land use change in the vicinity of LNG terminal. (EIA Report, section 4.4.3 in Page 4.24). As land use change will also affect lion and its conflict, this may be added in the recommendation.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
8.	The labour camp during the construction phase would generate significant sewage lad (EIA Report section 7.4 page xix). It may be recommended that the community toilets and safety of labourers from wildlife is ensured.	Complied	Community toilet facilities for labor camp including all other safety measures have been established  Photographs are given in <b>Annexure 17</b>
9.	The underpasses of adequate number may be provided for proposed rail connectivity (Draft EIA Report fig 2.4 page 2.19) based on study of experts to avoid incidence similar to Pipavav Port.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
10.	The 100m green belt may be clarified to be outside hard boundary, but within land acquired by SPPL. The plantation may be done by Forest Department and maintenance will be done by SPPL as suggested in recommendation.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.  PCCF has responded to the SPPL Letter no. SPPL/Chhara/80/2019.

S. No.	Recommendation	Status	Status of Compliance
			PCCF Letter is attached as <b>Annexure 2C</b> .
11.	It may be added to recommendations that SPPL should earmark appropriate fund for the cause of conservation of lion and conflict management with "Lion Conservation Society" on annual basis.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
12.	A Marine Conservation center may be developed at Chhara with objective of education and awareness on conservation.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.
13.	The SPPL may earmark annual fund to carry out activities mentioned in report.	Will be complied	Please refer <b>Annexure 2</b> , wherein Simar Port Pvt. Ltd. (SPPL) has given its comments regarding compliance of the condition.

## ANNEXURE 2: M/S. SIMAR PORT PVT. LTD. (SPPL) HAS GIVEN ITS COMMENTS REGARDING COMPLIANCE OF THE EC CONDITION

1

Date: 14<sup>th</sup> August 2023

Ref: SPPL/HPLNG/44/2023

To,

**Mr. K.S.Rao**  
Chief Executive Officer  
5<sup>th</sup> Floor, A-Wing  
Priyadarshini Building  
Eastern Express Highway,  
Sion, Mumbai -400022

**Sub:** HPLNG EC Compliance, SPPL commitments

Dear Sir,

In regards to HPLNG EC compliance, please find attached list of points that are related to Simar Port Private Limited and our comments on compliance of same.

S. No.	Action Point	SPPL Comment
1	<b>Compliance under Letter No. F. No. 11-01/2014-IA-III dated 5th March, 2019 - Environmental and CRZ Clearance from the Ministry of Environment, Forest and Climate Change, Government of India, for development of LNG storage and re-gasification terminal at village Chhara, Taluka Kodinar, District Gir Somnath, Gujarat</b>	
1)	S. No. (v) - Shoreline should not be disturbed due to any activity. Periodical study on shoreline changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six-monthly monitoring report.	We have undertaken the study in this respect and corrective action if any required would be taken based on the report.
2)	S. No. (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 freshwater 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	Comprehensive Marine EIA report by NIO is based on 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 are as per standards survey methods. Whales and turtles and the impact of oil spills on the complete spectrum of marine biology is also covered.  SPPL will implement Mitigation measures/EMP as recommended by NIO

### Simar Port Private Limited

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S. No.	Action Point	SPPL Comment
	impact of oil spills on the complete spectrum of marine biology.	in March 2015 as per chapter 7 of EIA report
3)	S. No. (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.	SPPL will monitor marine ecology on regular basis during operation phase.
4)	S. No. (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.	During operation phase, SPPL will adhere to guidelines of MoEF&CC OM dated 1 <sup>st</sup> May 2018, will carry out CSR activities as per in compliance with Section 135 of the Companies Act 2013 to help the fishing community of the area.
5)	S. No. (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.	Ship movement during the operation phase of the project will be carried out only in the approved channel which will not impact mangroves of Madhwad creek at 7 km away from the project site.
6)	S. No. (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.	Extract of the table on commitments made during Public Hearing and actions taken was submitted vide EC Compliance report of SPPL for the period April 2019 – September 2019.
II	<b>Compliance under Letter No. ENV-10-2016-50-E (T Cell) dated 2<sup>nd</sup> February 2017 – CRZ Clearance from Forest &amp; Environment department, Govt. of Gujarat, for development of LNG storage and re-gasification terminal at village Chhara, Taluka Kodinar, District Gir Somnath, Gujarat</b>	
7)	S. No. 1 - The provisions of the CRZ Notification of 2011 shall be strictly adhered to by M/s SPL. No activity in contradiction to the provisions of the CRZ Notification shall be carried out by M/s HPCLSEPL	SPPL ensures that CRZ Notification is strictly adhered to.
8)	S. No. 2 - The HPCLSEPL shall ensure that adequate numbers underpasses are provided in road construction to minimize the wildlife conflict and also traffic management plan shall be implemented as per report, in consultation with PCCF(WL) and allocate adequate fund for the same.	We are currently undertaking the project work with reduction in scope to cater to only LNG vessels unloading. The Bulk berth is not being constructed in the current phase. Hence the traffic management plan earlier envisaged shall undergo revision with negligible truck/ vehicle movement. However even for the reduced scope of work.

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S. No.	Action Point	SPPL Comment
		Road alignment for port approach road is finalized from SH-103 till Port boundary in line with the Traffic Management Plan. SPPL is in the process of identifying the location for animal underpass construction in consultation with Forest Department.
9)	S. No. 3 - The HPCLSEPL shall ensure that the over bridge is provided with adequate height with ground level. Wherever, it is not possible to provide underpasses to minimize the Wildlife conflict, in consultation with PCCF(WL) and allocate adequate fund for the same	Noted and same will be complied.  This has been considered in the traffic management plan. Road alignment for port approach road is finalized from SH-103 till Port boundary in line with the Traffic Management Plan. SPPL is in the process of identifying the location for animal underpass construction in consultation with Forest Department.
10)	S. No. 4 - A Marine Conservation center way be developed at Chhara with objective of educating the people and creating awareness amongst the people for Wildlife conservation	Will be complied in Operation Phase.  SPPL will plan the same during operation phase.
11)	S. No. 5 - The HPCLSEPL shall earmark appropriate fund for the cause of conservation of lion and conflict management, with "Lion Conservation Society" on annual basis.	SPPL will earmark appropriate funds as per point no. 26. HSEPL to comply with this point.
12)	S. No. 6 - 100 m green belt shall be developed by the HPCLSEPL outside the hard boundary. i.e., after the footprint of layout of the plant, in consultation with Forests Department and maintenance will be done by HPCLSEPL.	SPPL had meeting with Head Forest Department and has submitted formal request for planning and undertaking work of green belt development. Copy of letter was submitted vide EC compliance Report for the period April 2019 – September 2019. Forest dept. has written a letter to SPPL to submit detail of greenbelt area allotted with demarcation on the map. SPPL has submitted their response to DCF, Junagarh with all the details. DCF, Forest department, Junagarh has reverted with letter in which he has suggested the native species to be used for greenbelt development.  Due to reduced scope of the Project, SPPL is in the process of approaching the MOEF&CC for modification in greenbelt requirements.

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S. No.	Action Point	SPPL Comment
13)	S. No. 10 - Dredging disposal site may be examined to ensure that it does not adversely affect the region west to the proposed port, which is known for whale shark presence and it shall be based on the modeling study done by an agency of National repute	Not applicable to period under review.  Dredging material will be disposed off only at approved disposal site by MoEF&CC.
14)	S. No. 16 – M/s SPL shall prepare and regularly update their Local Oil Spill Contingency and Disaster Management Plan in consonance with the National Oil Spill and Disaster Contingency Plan and shall submit the same to this Department after having it vetted through the Indian Coast Guard	Noted and same will be complied during port operation phase. Port will be fully MARPOL compliant. All MARPOL regulations will be strictly enforced. Environmental safety will be top priority of the port operations. To ensure this a detailed Oil Spill Contingency Management Plan will be put in place before commencement of Port operations. This plan will be designed in consultation with specialist from the industry and will be based on international requirements.
15)	S. No. 19 - Massive greenbelt development program including the mangrove plantation in 50 ha. shall be carried out in consultation with the Gujarat Ecology Commission/ Forest Department by M /s HPCLSEPL.	SPPL had meeting with Head Forest Department and has submitted formal request for planning and undertaking work of green belt development. Copy of letter was submitted vide EC compliance Report for the period April 2019 – September 2019. Forest dept. has written a letter to SPPL to submit detail of greenbelt area allotted with demarcation on the map. SPPL has submitted their response to DCF, Junagarh with all the details. DCF, Forest department, Junagarh has reverted with letter in which he has suggested the native species to be used for greenbelt development. Due to reduced of the Project, SPPL is in the process of approaching the MOEF&CC for modification in greenbelt requirements.
16)	S. No. 21 - A separate budget shall be earmarked for environmental management and socio-economic activities including the greenbelt/mangrove plantation and details thereof shall be furnished to this Department as well as the MoEF& CC, GOI. The details with respect to the expenditure	SPPL will carry out greenbelt development and mangrove plantation under the reduced scope of the project after proper assessment as the scope of work is considerably reduced under current phase of implementation.

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S. No.	Action Point	SPPL Comment
	from this budget head shall also be furnished alongwith the compliance report.	
III	<b>Compliances under Letter No. WLP/32/A/1501-1504 /,2016-17 dated 2nd December 2016 - Application for CRZ clearance for proposed extension of breakwater for development of greenfield port at Village Chhara, Taluka: Kodinar, District Gir-Somnath.</b>	
17)	S. No. 1 - The phase I of project envisaged 5 MTPA (million tonne per annum) of coal which is likely to generate vehicle 400 truck. While phase II envisages that the LNG terminal will be having capacity of 5MMTP A expandable upto 10 MMTP A and this will generate significant traffic of more than 1000 trucks per day during operation.	We are not currently undertaking the bulk berth development in phase 1 due to certain Legal matters and thus in phase 1 LNG birthing thru a dedicated jetty only will be implemented. LNG will be evacuated majorly through pipeline and hence I vehicle movement due to LNG will be minimal. The vehicle movement due to Coal handling is not envisaged in the current phase as we are implementing the project with reduced scope.
18)	S. No. 2 - The road route proposed for phase II has been slightly modified from that in phase-I. The Sarkadi village will now come to the west of the road. The old and new alignment is as shown in annexure I of report. The new alignment must be studied and adequate number of underpasses needs to be provided as suggested in EIA Report as well as Lion Conservation Plan.	Noted and same will be complied.  This has been considered in the traffic management plan. Road alignment for port approach road is finalized from SH-103 till Port boundary in line with the Traffic Management Plan. SPPL is in the process of identifying the location for animal underpass construction in consultation with Forest Department.
19)	S. No. 3 - During construction phase the movement of material would be through ship & road. The site manager informed that some material of proposed extension (including old one as it is not yet constructed) is to be brought from local quarries. Therefore, the road construction with underpasses is must beforehand so that wildlife conflict is minimal. The traffic management plan as proposed in repost is necessary.	This has been considered in the traffic management plan. Road alignment for port approach road is finalized from SH-103 till Port boundary in line with the Traffic Management Plan. SPPL is in the process of identifying the location for animal underpass construction in consultation with Forest Department.
20)	S. No. 4 - The Pipavav Port the lion death due to accident was mainly due to blockage in natural lines. The same should not happen here so elevated section and green belt must be implemented as per recommendations. However, the road construction is being done by R&B department of Government of Gujarat who may not be aware of the conditions. There are no underpasses in section from NH8E to Bawana Pivaliva . SPPL	This has been considered in the traffic management plan. Road alignment for port approach road is finalized from SH-103 till Port boundary in line with the Traffic Management Plan. SPPL is in the process of identifying the location for animal underpass construction in consultation with Forest Department.

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**INFRA**

S. No.	Action Point	SPPL Comment
	may be asked to ensure that the underpasses are constructed.	
21)	S. No. 5 - During construction phase the movement of material would be through ship & road. Even though the report & letter gives priority to ship load of material the site manager informed that some material of proposed extension (including old one as it is not yet constructed) is to be brought from local quarries. Therefore, the road work with underpasses are necessary so that wildlife conflict is minimal. The traffic management plan as proposed in report is necessary.	This has been considered in the traffic management plan. Road alignment for port approach road is finalized from SH-103 till Port boundary in line with the Traffic Management Plan. SPPL is in the process of identifying the location for animal underpass construction in consultation with Forest Department.
22)	S. No. 6 - During operational phase the transport LNG and coal is through rails, trucks and LNG pipelines. If the new LPG terminal is proposed, then before it gets connected to pipeline may be re-gasified in cylinders and then transported. It may be suggested that the bottling plant should be near the Town to minimize additional truck traffic. It may be recommended that the bottling plant may be outside this area and may be connected through pipeline. The idea of connecting the supply with GSPL grid may be preferred over truck transportation.	LNG movement will be majorly thru pipeline as LNG has to be connected to National Gas grid. In the current phase of implementation, there is no coal movement. As regards LPG as and when the same is implemented, the movement of bulk LPG shall be majorly thru cross country LPG pipeline and minimal movement will be by trucks. The LPG transported thru the pipeline is mainly connected to Bottling plants for Cylinder filling. Thus the recommendation shall be complied.
23)	S. No. 7 - During operational phase the EIA report suggests that there will be uncontrolled commercial growth that may impact agriculture activities. The report suggests that planning authorities of the region have to come with development strategy to regulate the land use change in the vicinity of LNG terminal. (EIA Report, section 4.4.3 in Page 4.24). As land use change will also affect lion and its conflict, this may be added in the recommendation.	This recommendation was addressed to Additional Chief Secretary, Forest and Environment Department, Gov. of Gujarat.  No action is required by SPPL.
24)	S. No. 9 - The underpasses of adequate number may be provided for proposed rail connectivity (Draft EIA Report fig 2.4 page 2.19) based on study of experts to avoid incidence similar to Pipavav Port.	Not applicable to period under review.  SPPL is not envisaging rail connectivity during Phase I. Feasibility of rail connectivity is being assessed by concerned Government departments.
25)	S. No. 10- The 100 m green belt may be clarified to be outside hard boundary, but within land acquired by SPPL. The plantation may be done by Forest Department and the	SPPL had meeting with Head Forest Department and has submitted formal request for planning and undertaking work of green belt development. Copy of

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**INFRA**

S. No.	Action Point	SPPL Comment
	maintenance will be done by SPPL as suggested in recommendation.	letter was submitted vide EC compliance Report for the period April 2019 – September 2019. Forest dept. has written a letter to SPPL to submit detail of greenbelt area allotted with demarcation on the map. SPPL has submitted their response to DCF, Junagarh with all the details. DCF, Forest department, Junagarh has reverted with letter in which he has suggested the native species to be used for greenbelt development. Due to reduced scope of the project, SPPL is in the process of approaching the MOEF&CC for modification in greenbelt requirements.
26)	S. No. 11 - It may be added to recommendations that SPPL should earmark appropriate fund for the cause of conservation of lion and conflict management with "Lion Conservation Society" on annual basis.	SPPL will earmark appropriate funds as per approved Lion Conservation Plan as and when operation commences and stabilises.
27)	S. No. 12 - A Marine Conservation center may be developed at Chhara with objective of education and awareness on conservation.	SPPL will plan the same during operation phase
28)	S. No. 13 - The SPPL may earmark annual fund to carry out activities mentioned in report.	SPPL will comply

Regards

For Simar Port Pvt. Ltd



**Capt. Nitin Bondre**  
CEO- Port & Terminals



**Simar Port Private Limited**

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**Annexure 2A: Annexure 1 of SPPL Compliance report - Mitigation measures given in Chapter 7 of EIA report**

Ref. No. SPPL/Chhara/80/2019

November 15, 2019

Capt. Nitin Bondre  
CEO Ports and Terminals

Dr. Dinesh Kumar Sharma, IFS  
Principal Chief Conservator of Forest & Head of Forest Force  
"Aranya Bhavan", Near CH-3 Circle,  
Sector-10 A, Gandhinagar - 382010  
Email - [pccf-forest@gujarat.gov.in](mailto:pccf-forest@gujarat.gov.in)

**Sub -** Development of Green Belt Around the Proposed Port Site at Chhara-Sarkhadi by M/S Simar Port Pvt Ltd

**Ref -** Meeting with Capt Bondre, Dr. Vijay Kulkarni and Shri K D Mahida

Sir,

We are developing all weather, multi-cargo, multi-purpose, deep draft greenfield port near Chhara Village, Kodinar Taluka, Gir-Somnath district, Gujarat. We have planned port development in phases. Ministry of Environment, Forests, and Climate Change (MOEFCC) granted environmental and CRZ clearance for Phase I development in January 2014 and for Phase II development in March 2019. A brief note on the background is enclosed to this letter.

In keeping with directions of MOEFCC vide above referred EC letters we plan to develop 100 m wide green belt all along port boundary through Gujarat Forest Department. We plan to commission the proposed port by March 2022. We plan to procure about 1000 acres of land for the port and allot about 100 acres land for green belt. Land procurement progressing well and we plan to complete the same by March 2020.


We wish to submit that there will not be any major source of air pollution in the proposed development and the purpose of green belt is ensuring that change in landscape is in harmony with the surrounding area.

We request you to kindly advise the experts in Forest department to develop techno-commercial proposal for green belt which will be an example for environment friendly development for similar projects.

We have office in Kodinar and my colleagues will be always available to work with Forest Team.

Thanking you.

For Simar Port Pvt Ltd.

  
Capt. Nitin Bondre  
CEO - Ports & Terminals



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Satellite, Ahmedabad - 380 015, Gujarat





**Annexure 2B: Annexure 2 of SPPL Compliance report - Letter to Forest department for preparing a plan for development of Greenbelt**

Ref. No. SPPL/Chhara/80/2019

November 15, 2019

Capt. Nitin Bondre  
CEO Ports and Terminals

Dr. Dinesh Kumar Sharma, IFS  
Principal Chief Conservator of Forest & Head of Forest Force  
"Aranya Bhavan", Near CH-3 Circle,  
Sector-10 A, Gandhinagar - 382010  
Email - [pccf-forest@gujarat.gov.in](mailto:pccf-forest@gujarat.gov.in)

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**Ref -** Meeting with Capt Bondre, Dr. Vijay Kulkarni and Shri K D Mahida

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In keeping with directions of MOEFCC vide above referred EC letters we plan to develop 100 m wide green belt all along port boundary through Gujarat Forest Department. We plan to commission the proposed port by March 2022. We plan to procure about 1000 acres of land for the port and allot about 100 acres land for green belt. Land procurement progressing well and we plan to complete the same by March 2020.

We wish to submit that there will not be any major source of air pollution in the proposed development and the purpose of green belt is ensuring that change in landscape is in harmony with the surrounding area.

We request you to kindly advise the experts in Forest department to develop techno-commercial proposal for green belt which will be an example for environment friendly development for similar projects.

We have office in Kodinar and my colleagues will be always available to work with Forest Team.

Thanking you.

For Simar Port Pvt Ltd.

  
Capt. Nitin Bondre  
CEO - Ports & Terminals




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(T) +91 22 67490000 (F) +91 22 67490017 website: [www.shapoorjipallonji.com](http://www.shapoorjipallonji.com)  
Regd. Office: Venus Amadeus, 301-305, 3rd Floor, Jodhpur Cross Road,  
Satellite, Ahmedabad - 380 015, Gujarat





**Annexure 2C: Annexure 2 of SPPL Compliance report - Letter from Forest department for further process to preparing a plan for development of Greenbelt**

<p><u>By Email</u></p>	<p>No. C/Land/T-13/ <sup>3941-42</sup> /2019-20 <span style="float: right;">06/02</span>  Office of The Deputy Conservator of Forests  Gir West Division Sardarbag Campus  Junagadh-362001.  Ph.-0285-2631044  E-mail-dcf. gir.west@gmail.com.  Date: 27/01/2020.</p>
<p><b>To,</b>  The Chief Executive Officer [Ports &amp; Terminals],  Simar Port Private Limited,  SP Centre, 41/44, Minoo-Desai Marg,  Colaba, Mumbai-400005.</p>	
<p><b>Subj:-</b> Development of Green Belt Around the Proposed Port Site at Chhara-Sarakhadi by M/s.Simar Port Pvt. Ltd.</p>	
<p><b>Ref:-</b> [1]Your Office letter No. SPPL/Chhara/80/2019 dt. 15/11/2019.  [2] C.C.F.W.L.C.O.Junagadh letterNo jmn/t-14/b/8411 dt. 18/01/2020</p>	
<p>With reference to the above cited subject and references seeking advice of the Forest department to develop Green Belt. The Gir West Division may advise and help in developing the green belt and the details of the association and role may be discussed further. However, in this regard, kindly provide following details needed to understand the work area.</p>	
<p>[1] Color Index map of 1000 acres of project land. [Scale 1: 50,000]  [2] Prepared Lay-out plan of 1000 acres of land . [Scale 1: 50 Mt]  [3] Maps showing the G.P.S. and Survey Number and details of the proposed green belt to be developed. [Scale 1: 40 Mt]  [4] Soft copy of the above all maps [KML File].</p>	
<p>The details of mentioned above are needed for understanding the site and viable plantation models. Please contact this office for further clarification.</p>	
<p>  Deputy Conservator of Forests  Gir West Division Junagadh</p>	
<p>c.c.to The Chief Conservator of Forests  Wildlife Circle Junagadh  -For information please.</p>	
<p>D:\PENDRIVE BACKUP\M S Simar Port Green be 2020.docx 1</p>	

### ANNEXURE 3: AMBIENT AIR QUALITY MONITORING, WATER AND NOISE MONITORING RESULTS FOR HPLNG SITE DONE BY M/S. EXCEL ENVIRO TECH, AHMEDABAD



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 Off. Ashram Road, Ahmedabad - 380009.

#### TEST REPORT

<b>Customer's Name and Address</b> <b>M/s. Toyo Engineering India Private Limited.</b> Survey No. 866-867, TalukaKodinar, Village:Chhara, Girsomnath, Gujarat-362720	REPORT NO.	F/LID/03
	REPORT DATE	27/12/2022
	REPORT NO.	EET/2022121252

Description of sample	Water Sample	Lab ID Code& Sample Location	WE/12/1252: Ground Water
Depth of water Level	5 meter 42 Centimeter	Sampling time	12:05 to 12:15
Date of sampling	19/12/2022	Sampling method	Grab
Sample collected by	Field Chemist	Packing/seal	Satisfactory
Quantity and no. of sample/s	2 liters pH <2 H <sub>2</sub> SO <sub>4</sub> (1 No.) 5 liters 4 <sup>o</sup> C	Date of starting of test	21/12/2022
		Date of completion of test	26/12/2022

#### Result table

Sr. No.	Parameters	Unit	Drinking water Standard As per IS 10500		Result Ground Water	Method of Test
			Requirement (Acceptance Limit)	Permissible Limit In The Absence Of Alternate Source		
1.	pH	-	6.5-8.5	No Relaxation	8.01	IS 3025 (part-11) – 1983
2.	Colour (pt. co. scale) in units	Hazen	Max 5	Max 15	Nil	IS 3025 (part-4) – 1983
3.	Odour	--	Agreeable	Agreeable	Agreeable	IS 3025 (part-5) – 1983
4.	Taste	mg/l	Agreeable	Agreeable	Agreeable	IS 3025 (part-7&8) – 1984
5.	Turbidity in NTU	NTU	Max 1.0	Max 5.0	1.2	IS 3025 (part-10) – 1984
6.	Total Dissolved Solids	mg/l	Max 500	Max 2000	1185.4	IS 3025 (part-16) – 2002
7.	Suspended Solids	mg/l	Max 1	Max 200	2.3	IS 3025 (Part 17):1984
8.	Total Hardness as CaCO <sub>3</sub>	mg/l	Max 200	Max 600	360.0	IS 3025 (part-21) – 1983
9.	Calcium as Ca	mg/l	Max 75	Max 200	64.13	IS 3025 (part-40) – 1991
10.	Magnesium as Mg	mg/l	Max 30	Max 100	48.60	IS 3025 (part-46) – 1994
11.	Chloride	mg/l	Max 250	Max 1000	399.9	IS 3025 (part-32) – 1988
12.	Sulphate	mg/l	Max 200	Max 400	210.4	IS 3025 (part-24) – 1986
13.	Fluoride	mg/l	Max 1.0	Max 1.5	0.60	IS 3025 (part-60) – 2008
14.	Total Alkalinity	mg/l	Max 200	Max 600	215.9	IS 3025 (part-23) – 1986
15.	Iron as Fe	mg/l	Max 0.3	No Relaxation	0.18	IS 3025 (part-53) – 2003
16.	Residual free chlorine	mg/l	Min 0.2	Max 1.0	Absent	IS 3025 (part-26) – 1986
17.	Copper as cu	mg/l	Max 0.05	Max 1.5	Absent	IS 3025 (part-42) – 1992
18.	Manganese as Mn	mg/l	Max 0.1	Max 0.3	Absent	IS 3025 (part-59) – 2006
19.	Nitrates	mg/l	Max 45.0	No Relaxation	15.36	IS 3025 (part-34) – 1988
20.	Phenolic Compound	mg/l	Max 0.001	Max 0.002	Absent	IS 3025 (part-43) – 1992
21.	Mercury as Hg	mg/l	Max 0.001	No Relaxation	Absent	IS 3025 (part-48) – 1994
22.	Cadmium as Cd	mg/l	Max 0.003	No Relaxation	Absent	IS 3025 (part-41) – 1992
23.	Selenium as Se	mg/l	Max 0.01	No Relaxation	Absent	IS 3025 (part-53) – 2003



-----End of The Test Report----- Page 1 of 1



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Sr. No.	Parameters	Unit	Drinking water Standard As per IS 10500		Result Ground Water	Method of Test
			Requirement (Acceptance Limit)	Permissible Limit In The Absence Of Alternate Source		
24.	Arsenic as As	mg/l	Max 0.01	Max 0.05	Absent	IS 3025 (part-37) – 1988
25.	Cyanide as CN	mg/l	Max 0.05	No Relaxation	Absent	IS 3025 (part-27) – 1986
26.	Lead as Pb	mg/l	Max 0.01	No Relaxation	Absent	IS 3025 (part-47) – 1994
27.	Zinc as Zn	mg/l	Max 5.0	Max 15.0	0.11	IS 3025 (part-49) – 1994
28.	Anionic detergents (As MBAS)	mg/l	Max 0.02	Max 1.0	Absent	Ann-K of IS:13428:2005
29.	Chromium as Cr <sup>+6</sup>	mg/l	Max 0.05	No Relaxation	Absent	IS 3025 (part-53) – 2003
30.	Polynuclear aromatic hydrocarbons	mg/l	Max 0.0001	No Relaxation	Absent	APHA 6440
31.	Mineral oil	mg/l	Max 0.5	No Relaxation	Absent	IS 3025 (part-39) – 1991
32.	Pesticides	mg/l	Max 1	No Relaxation	Absent	AOAC 990.06
33.	Aluminum as Al	mg/l	Max 0.03	Max 0.2	Absent	IS 3025 (part-55) – 2003
34.	Boron	mg/l	Max 0.5	Max 1.0	0.18	IS 3025 (part-57) – 2005
35.	Ammonia	mg/l	Max 0.5	No Relaxation	N.D.(D.L.=0.01)	IS 3025 (part-37) – 1988
36.	Barium (as Ba)	mg/l	Max 0.7	No Relaxation	N.D.(D.L.=0.5)	Anx-F of IS: 13428:2005
37.	Chloramines (as Cl <sub>2</sub> )	mg/l	Max 4	No Relaxation	N.D.(D.L.=0.5)	IS 3025 (part-26) – 1986
38.	Silver (as Ag)	mg/l	Max 0.1	No Relaxation	N.D.(D.L.=0.005)	Anx-J of IS:13428:2005
39.	Sulphide (as H <sub>2</sub> S)	mg/l	Max 0.05	No Relaxation	N.D.(D.L.=0.01)	IS 3025 (part-29) – 2003
40.	Molybdenum (as Mo)	mg/l	Max 0.07	No Relaxation	N.D.(D.L.=0.03)	IS 3025 (part-2) – 1994
41.	Nickel (as Ni)	mg/l	Max 0.02	No Relaxation	N.D.(D.L.=0.01)	IS 3025 (part-54) – 2003
42.	Poly chlorinated biphenyls (PCB)	mg/l	Max 0.0005	No Relaxation	N.D.(D.L.=0.0001)	APHA 6440
43.	Total Coliform Bacteria	MPN/100 ml	Shall not be detectable in any 100 ml sample		Absent	IS:1622-1981 reaffirmed: 2003
44.	E. Coliform Bacteria	MPN/100 ml	Shall not be detectable in any 100 ml sample		Absent	IS:1622-1981 reaffirmed: 2003
45.	Pseudomonas	MPN/100 ml	Shall not be detectable in any 100 ml sample		Absent	IS:13428-Annx-D: 2005
46.	Salmonella	MPN/100 ml	Shall not be detectable in any 100 ml sample		Absent	IS:15187-2002
47.	Thermotolerant Coliform	MPN/100 ml	Shall not be detectable in any 100 ml sample		Absent	IS:1622-1981 reaffirmed: 2003

Note : N.D. : Not Detected , D.L. : Detection Limit  
 Our Laboratory is NABL Approved and Its Certificate Number TC-5892 and Its valid up to 17/11/2024

	
<b>Analyzed by</b>	<b>Authorized Signatory</b>
Source of Prescribed Norms: as per IS 10500	Field remark:

-----End of The Test Report----- Page 1 of 1



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## TEST REPORT

<b>Customer's Name and Address</b> <b>M/s. Toyo Engineering India Private Limited.</b> Survey No. 866-867, TalukaKodinar, Village:Chhara, Girsomnath, Gujarat-362720	FORMAT NO.	F/LID/54
	REPORT DATE	27/12/2022
	REPORT NO.	EET/2022121254



Description of sample	Ambient Air Quality	Lab ID Code	AQ/12/1254
Date of sampling	19/12/2022 to 20/12/2022	Sampling time	10:45 to 10:45
Sample collected by	Field Chemist	Sampling method	Standard practice
Packing/seal	Satisfactory	Date of starting of test	22/12/2022
		Date of completion of test	22/12/2022

## RESULT TABLE

Sampling location	Near Ray Batching Plant		
Environmental Conditions			
Temperature	Max:33.0 <sup>0</sup> C	Min:15.4 <sup>0</sup> C	
Humidity, %	Max:50	Min:32	

Sr	Parameter	Unit	Test method	Result	Prescribe Norms
1	Particulate Matter-2.5, PM <sub>2.5</sub>	µg/m <sup>3</sup>	IS 5182 (Part – 24) - 2019	32.36	60
2	Particulate Matter-10, PM <sub>10</sub>	µg/m <sup>3</sup>	IS 5182 (Part – 23) - 2016	70.04	100
3	SO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part – 2) – 2001	10.96	80
4	NO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part – 6) – 1975	15.28	80
5	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 (Part – 10) – 1999	0.8	4.0
6	Arsenic	ng/m <sup>3</sup>	AAS/ICP Method	Nil	06
7	Nickel	ng/m <sup>3</sup>	AAS/ICP Method	Nil	20
8	Lead	µg/m <sup>3</sup>	AAS/ICP Method	Nil	1.0
9	Ozone	µg/m <sup>3</sup>	IS 5182 (Part-09) -1974	6.95	100

Note : Our Laboratory is NABL Approved and Its Certificate Number TC-5892 and Its valid up to 17/11/2024

 <b>Analyzed by</b>	 <b>Authorized Signatory</b>
Source of Prescribed Norms: National Ambient air Quality	Field remark:

-----End of The Test Report----- Page 1 of 1



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## TEST REPORT

<b>Customer's Name and Address</b> <b>M/s. Toyo Engineering India Private Limited.</b> Survey No. 866-867, TalukaKodinar, Village:Chhara, Girsomnath, Gujarat-362720	FORMAT NO.	F/LID/54
	REPORT DATE	27/12/2022
	REPORT NO.	EET/2022121253

Description of sample	Ambient Air Quality	Lab ID Code	AQ/12/1253
Date of sampling	19/12/2022 to 20/12/2022	Sampling time	10:30 to 10:30
Sample collected by	Field Chemist	Sampling method	Standard practice
Packing/seal	Satisfactory	Date of starting of test	22/12/2022
		Date of completion of test	22/12/2022

## RESULT TABLE

Sampling location	Near Toyo Office		
Environmental Conditions			
Temperature	Max:33.0 <sup>0</sup> C	Min:15.4 <sup>0</sup> C	
Humidity, %	Max:50	Min:32	

Sr	Parameter	Unit	Test method	Result	Prescribe Norms
1	Particulate Matter-2.5, PM <sub>2.5</sub>	µg/m <sup>3</sup>	IS 5182 (Part - 24) - 2019	30.85	60
2	Particulate Matter-10, PM <sub>10</sub>	µg/m <sup>3</sup>	IS 5182 (Part - 23) - 2016	71.58	100
3	SO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part - 2) - 2001	10.05	80
4	NO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part - 6) - 1975	20.63	80
5	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 (Part -10) - 1999	0.6	4.0
6	Arsenic	ng/m <sup>3</sup>	AAS/ICP Method	Nil	06
7	Nickel	ng/m <sup>3</sup>	AAS/ICP Method	Nil	20
8	Lead	µg/m <sup>3</sup>	AAS/ICP Method	Nil	1.0
9	Ozone	µg/m <sup>3</sup>	IS 5182 (Part-09) -1974	5.99	100

Note : Our Laboratory is NABL Approved and Its Certificate Number TC-5892 and Its valid up to 17/11/2024

Analyzed by	Authorized Signatory
Source of Prescribed Norms: National Ambient air Quality	Field remark:

-----End of The Test Report----- Page 1 of 1





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## TEST REPORT

<b>Customer's Name and Address</b> M/s. Toyo Engineering India Private Limited. Survey No. 866-867, TalukaKodinar, Village:Chhara, Girsomnath, Gujarat-362720	FORMAT NO.	F/LID/55
	REPORT DATE	27/12/2022
	REPORT NO.	EET/2022121255

Description of sample	Noise level Monitoring	Lab ID Code	NM/12/1255
Date of sampling	19/12/2022	Sampling method	IS 9989 – 1981 RA 2001
Sample collected by	Field Chemist		

## RESULT TABLE

Sr	SAMPLING LOCATION	Unit	Result	
			Day Time (6 AM – 10 PM)	Night Time (10 PM – 6 AM)
3.	Near Admin Office	dB (A)	71.5	64.5
4.	Near Ray Batching Plant	dB (A)	72.8	64.2

Note : Day Time Norms 75 dB(A)

Night Time Norms 70 dB(A)

Our Laboratory is NABL Approved and Its Certificate Number TC-5892 and Its valid up to 17/11/2024

 <b>Analyzed by</b>	 <b>Authorized Signatory</b>
Source of Prescribed Norms: Standard Norms	Field remark:

-----End of The Test Report----- Page 1 of 1



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## TEST REPORT

<b>Customer's Name and Address</b> <b>M/s. Toyo Engineering India Private Limited.</b> Survey No. 866-867, TalukaKodinar, Village:Chhara, Girsonmath, Gujarat-362720	REPORT NO.	F/LID/03
	REPORT DATE	27/02/2023
	REPORT NO.	EET/202302168

Description of sample	Water Sample	Lab ID Code& Sample Location	GW/02/168: Ground Water
<b>Depth of water Level</b>	<b>5 meter 36 Centimeter</b>	Sampling time	09:40 to 10:10
Date of sampling	20/02/2023	Sampling method	Grab
Sample collected by	Field Chemist	Packing/seal	Satisfactory
Quantity and no. of sample/s	2 liters pH <2 H <sub>2</sub> SO <sub>4</sub> (1 No.) 5 liters 4 <sup>o</sup> C	Date of starting of test	22/02/2023
		Date of completion of test	27/02/2023

## Result table

Sr. No.	Parameters	Unit	Drinking water Standard As per IS 10500		Result Ground Water	Method of Test
			Requirement (Acceptance Limit)	Permissible Limit In The Absence Of Alternate Source		
1.	pH	-	6.5-8.5	No Relaxation	7.78	IS 3025 (part-11) – 1983
2.	Colour (pt. co. scale) in units	Hazen	Max 5	Max 15	Nil	IS 3025 (part-4) – 1983
3.	Odour	--	Agreeable	Agreeable	Agreeable	IS 3025 (part-5) – 1983
4.	Taste	mg/l	Agreeable	Agreeable	Agreeable	IS 3025 (part-7&8) – 1984
5.	Turbidity in NTU	NTU	Max 1.0	Max 5.0	1.4	IS 3025 (part-10) – 1984
6.	Total Dissolved Solids	mg/l	Max 500	Max 2000	1288.4	IS 3025 (part-16) – 2002
7.	Suspended Solids	mg/l	Max 1	Max 200	2.8	IS 3025 (Part 17):1984
8.	Total Hardness as CaCO <sub>3</sub>	mg/l	Max 200	Max 600	356.0	IS 3025 (part-21) – 1983
9.	Calcium as Ca	mg/l	Max 75	Max 200	72.14	IS 3025 (part-40) – 1991
10.	Magnesium as Mg	mg/l	Max 30	Max 100	42.77	IS 3025 (part-46) – 1994
11.	Chloride	mg/l	Max 250	Max 1000	444.9	IS 3025 (part-32) – 1988
12.	Sulphate	mg/l	Max 200	Max 400	208.6	IS 3025 (part-24) – 1986
13.	Fluoride	mg/l	Max 1.0	Max 1.5	0.541	IS 3025 (part-60) – 2008
14.	Total Alkalinity	mg/l	Max 200	Max 600	198.6	IS 3025 (part-23) – 1986
15.	Iron as Fe	mg/l	Max 0.3	No Relaxation	0.25	IS 3025 (part-53) – 2003
16.	Residual free chlorine	mg/l	Min 0.2	Max 1.0	Absent	IS 3025 (part-26) – 1986
17.	Copper as cu	mg/l	Max 0.05	Max 1.5	Absent	IS 3025 (part-42) – 1992
18.	Manganese as Mn	mg/l	Max 0.1	Max 0.3	Absent	IS 3025 (part-59) – 2006
19.	Nitrates	mg/l	Max 45.0	No Relaxation	14.71	IS 3025 (part-34) – 1988
20.	Phenolic Compound	mg/l	Max 0.001	Max 0.002	Absent	IS 3025 (part-43) – 1992
21.	Mercury as Hg	mg/l	Max 0.001	No Relaxation	Absent	IS 3025 (part-48) – 1994
22.	Cadmium as Cd	mg/l	Max 0.003	No Relaxation	Absent	IS 3025 (part-41) – 1992
23.	Selenium as Se	mg/l	Max 0.01	No Relaxation	Absent	IS 3025 (part-53) – 2003

-----End of The Test Report----- Page 1 of 1



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Sr. No.	Parameters	Unit	Drinking water Standard As per IS 10500		Result Ground Water	Method of Test
			Requirement (Acceptance Limit)	Permissible Limit In The Absence Of Alternate Source		
24.	Arsenic as As	mg/l	Max 0.01	Max 0.05	Absent	IS 3025 (part-37) – 1988
25.	Cyanide as CN	mg/l	Max 0.05	No Relaxation	Absent	IS 3025 (part-27) – 1986
26.	Lead as Pb	mg/l	Max 0.01	No Relaxation	Absent	IS 3025 (part-47) – 1994
27.	Zinc as Zn	mg/l	Max 5.0	Max 15.0	0.23	IS 3025 (part-49) – 1994
28.	Anionic detergents (As MBAS)	mg/l	Max 0.02	Max 1.0	Absent	Ann-K of IS:13428:2005
29.	Chromium as Cr <sup>+6</sup>	mg/l	Max 0.05	No Relaxation	Absent	IS 3025 (part-53) – 2003
30.	Polynuclear aromatic hydrocarbons	mg/l	Max 0.0001	No Relaxation	Absent	APHA 6440
31.	Mineral oil	mg/l	Max 0.5	No Relaxation	Absent	IS 3025 (part-39) – 1991
32.	Pesticides	mg/l	Max 1	No Relaxation	Absent	AOAC 990.06
33.	Aluminum as Al	mg/l	Max 0.03	Max 0.2	Absent	IS 3025 (part-55) – 2003
34.	Boron	mg/l	Max 0.5	Max 1.0	0.21	IS 3025 (part-57) – 2005
35.	Ammonia	mg/l	Max 0.5	No Relaxation	N.D.(D.L.=0.01)	IS 3025 (part-37) – 1988
36.	Barium (as Ba)	mg/l	Max 0.7	No Relaxation	N.D.(D.L.=0.5)	Anx-F of IS: 13428:2005
37.	Chloramines (as Cl <sub>2</sub> )	mg/l	Max 4	No Relaxation	N.D.(D.L.=0.5)	IS 3025 (part-26) – 1986
38.	Silver (as Ag)	mg/l	Max 0.1	No Relaxation	N.D.(D.L.=0.005)	Anx-J of IS:13428:2005
39.	Sulphide (as H <sub>2</sub> S)	mg/l	Max 0.05	No Relaxation	N.D.(D.L.=0.01)	IS 3025 (part-29) – 2003
40.	Molybdenum (as Mo)	mg/l	Max 0.07	No Relaxation	N.D.(D.L.=0.03)	IS 3025 (part-2) – 1994
41.	Nickel (as Ni)	mg/l	Max 0.02	No Relaxation	N.D.(D.L.=0.01)	IS 3025 (part-54) – 2003
42.	Poly chlorinated biphenyls (PCB)	mg/l	Max 0.0005	No Relaxation	N.D.(D.L.=0.0001)	APHA 6440
43.	Total Coliform Bacteria	MPN/100 ml	Shall not be detectable in any 100 ml sample		Absent	IS:1622-1981 reaffirmed: 2003
44.	E. Coliform Bacteria	MPN/100 ml	Shall not be detectable in any 100 ml sample		Absent	IS:1622-1981 reaffirmed: 2003
45.	Pseudomonas	MPN/100 ml	Shall not be detectable in any 100 ml sample		Absent	IS:13428-Annx-D: 2005
46.	Salmonella	MPN/100 ml	Shall not be detectable in any 100 ml sample		Absent	IS:15187-2002
47.	Thermotolerant Coliform	MPN/100 ml	Shall not be detectable in any 100 ml sample		Absent	IS:1622-1981 reaffirmed: 2003

Note : N.D. : Not Detected , D.L. : Detection Limit

Our Laboratory is NABL Approved and Its Certificate Number TC-5892 and Its valid up to 17/11/2024

<b>Analyzed by</b>	<b>Authorized Signatory</b>
Source of Prescribed Norms: as per IS 10500	Field remark:

-----End of The Test Report----- Page 1 of 1





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 Off. Ashram Road, Ahmedabad - 380009.

## TEST REPORT

<b>Customer's Name and Address</b> <b>M/s. Toyo Engineering India Private Limited.</b> Survey No. 866-867, TalukaKodinar, Village:Chhara, Girsomnath, Gujarat-362720	FORMAT NO.	F/LID/54
	REPORT DATE	27/02/2023
	REPORT NO.	EET/202302172



Description of sample	Ambient Air Quality	Lab ID Code	AQ/02/172
Date of sampling	20/02/2023 to 21/02/2023	Sampling time	09:35 to 09:35
Sample collected by	Field Chemist	Sampling method	Standard practice
Packing/seal	Satisfactory	Date of starting of test	22/02/2023
		Date of completion of test	24/02/2023

## RESULT TABLE

Sampling location	Near Ray Batching Plant		
Environmental Conditions			
Temperature	Max:33.0 <sup>0</sup> C	Min:15.4 <sup>0</sup> C	
Humidity, %	Max:50	Min:32	

Sr	Parameter	Unit	Test method	Result	Prescribe Norms
1	Particulate Matter-2.5, PM <sub>2.5</sub>	µg/m <sup>3</sup>	IS 5182 (Part – 24) - 2019	33.45	60
2	Particulate Matter-10, PM <sub>10</sub>	µg/m <sup>3</sup>	IS 5182 (Part – 23) - 2016	71.38	100
3	SO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part – 2) – 2001	11.64	80
4	NO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part – 6) – 1975	14.86	80
5	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 (Part – 10) – 1999	0.6	4.0
6	Arsenic	ng/m <sup>3</sup>	AAS/ICP Method	Nil	06
7	Nickel	ng/m <sup>3</sup>	AAS/ICP Method	Nil	20
8	Lead	µg/m <sup>3</sup>	AAS/ICP Method	Nil	1.0
9	Ozone	µg/m <sup>3</sup>	IS 5182 (Part-09) -1974	6.70	100

Note : Our Laboratory is NABL Approved and Its Certificate Number TC-5892 and Its valid up to 17/11/2024

 <b>Analyzed by</b>	 <b>Authorized Signatory</b>
Source of Prescribed Norms: National Ambient air Quality	Field remark:

-----End of The Test Report----- Page 1 of 1



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 Off. Ashram Road, Ahmedabad - 380009.

## TEST REPORT

<b>Customer's Name and Address</b> M/s. Toyo Engineering India Private Limited. Survey No. 866-867, TalukaKodinar, Village:Chhara, Girsomnath, Gujarat-362720	FORMAT NO.	F/LID/54
	REPORT DATE	27/02/2023
	REPORT NO.	EET/202302171


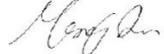
Description of sample	Ambient Air Quality	Lab ID Code	AQ/02/171
Date of sampling	20/02/2023 to 21/02/2023	Sampling time	09:15 to 09:15
Sample collected by	Field Chemist	Sampling method	Standard practice
Packing/seal	Satisfactory	Date of starting of test	22/02/2023
		Date of completion of test	24/02/2023

## RESULT TABLE

Sampling location	Near Toyo Office		
Environmental Conditions			
Temperature	Max:33.8 <sup>0</sup> C	Min:16.5 <sup>0</sup> C	
Humidity, %	Max:54	Min:30	

Sr	Parameter	Unit	Test method	Result	Prescribe Norms
1	Particulate Matter-2.5, PM <sub>2.5</sub>	µg/m <sup>3</sup>	IS 5182 (Part – 24) - 2019	32.74	60
2	Particulate Matter-10, PM <sub>10</sub>	µg/m <sup>3</sup>	IS 5182 (Part – 23) - 2016	72.11	100
3	SO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part – 2) – 2001	12.66	80
4	NO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part – 6) – 1975	18.40	80
5	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 (Part – 10) – 1999	0.8	4.0
6	Arsenic	ng/m <sup>3</sup>	AAS/ICP Method	Nil	06
7	Nickel	ng/m <sup>3</sup>	AAS/ICP Method	Nil	20
8	Lead	µg/m <sup>3</sup>	AAS/ICP Method	Nil	1.0
9	Ozone	µg/m <sup>3</sup>	IS 5182 (Part-09) -1974	6.14	100

Note : Our Laboratory is NABL Approved and Its Certificate Number TC-5892 and Its valid up to 17/11/2024

 <b>Analyzed by</b>	 <b>Authorized Signatory</b>
Source of Prescribed Norms: National Ambient air Quality	Field remark:

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**TEST REPORT**

<b>Customer's Name and Address</b> <b>M/s. Toyo Engineering India Private Limited.</b> Survey No. 866-867, TalukaKodinar, Village:Chhara, Girsommath, Gujarat-362720	FORMAT NO.	F/LID/55
	REPORT DATE	27/02/2023
	REPORT NO.	EET/202302173

Description of sample	Noise level Monitoring	Lab ID Code	NM/02/173
Date of sampling	20/02/2023	Sampling method	IS 9989 – 1981 RA 2001
Sample collected by	Field Chemist		

**RESULT TABLE**

Sr	SAMPLING LOCATION	Unit	Result	
			Day Time (6 AM – 10 PM)	Night Time (10 PM – 6 AM)
1.	Near Admin Office	dB (A)	70.2	61.7
2.	Near Ray Batching Plant	dB (A)	73.4	62.5

Note : Day Time Norms 75 dB(A)

Night Time Norms 70 dB(A)

Our Laboratory is NABL Approved and Its Certificate Number TC-5892 and Its valid up to 17/11/2024

<b>Analyzed by</b>	<b>Authorized Signatory</b>
Source of Prescribed Norms: Standard Norms	Field remark:

-----End of The Test Report----- Page 1 of 1



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## TEST REPORT

<b>Customer's Name and Address</b> <b>M/s. Toyo Engineering India Private Limited.</b> Survey No. 866-867, TalukaKodinar, Village:Chhara, Girsonmath, Gujarat-362720	REPORT NO.	F/LID/03
	REPORT DATE	28/04/2023
	REPORT NO.	EET/202304435

Description of sample	Water Sample	Lab ID Code& Sample Location	GW/04/435: Ground Water
<b>Depth of water Level</b>	<b>5 meter 85 Centimeter</b>	Sampling time	09:40 to 09:50
Date of sampling	20/04/2023	Sampling method	Grab
Sample collected by	Field Chemist	Packing/seal	Satisfactory
Quantity and no. of sample/s	2 liters pH <2 H <sub>2</sub> SO <sub>4</sub> (1 No.) 5 liters 4 <sup>o</sup> C	Date of starting of test	22/04/2023
		Date of completion of test	27/04/2023

## Result table

Sr. No.	Parameters	Unit	Drinking water Standard As per IS 10500		Result Ground Water	Method of Test
			Requirement (Acceptance Limit)	Permissible Limit In The Absence Of Alternate Source		
1.	pH	-	6.5-8.5	No Relaxation	7.95	IS 3025 (part-11) – 1983
2.	Colour (pt. co. scale) in units	Hazen	Max 5	Max 15	Nil	IS 3025 (part-4) – 1983
3.	Odour	--	Agreeable	Agreeable	Agreeable	IS 3025 (part-5) – 1983
4.	Taste	mg/l	Agreeable	Agreeable	Agreeable	IS 3025 (part-7&8) – 1984
5.	Turbidity in NTU	NTU	Max 1.0	Max 5.0	1.3	IS 3025 (part-10) – 1984
6.	Total Dissolved Solids	mg/l	Max 500	Max 2000	1486.6	IS 3025 (part-16) – 2002
7.	Suspended Solids	mg/l	Max 1	Max 200	2.0	IS 3025 (Part 17):1984
8.	Total Hardness as CaCO <sub>3</sub>	mg/l	Max 200	Max 600	310.0	IS 3025 (part-21) – 1983
9.	Calcium as Ca	mg/l	Max 75	Max 200	64.13	IS 3025 (part-40) – 1991
10.	Magnesium as Mg	mg/l	Max 30	Max 100	36.45	IS 3025 (part-46) – 1994
11.	Chloride	mg/l	Max 250	Max 1000	469.9	IS 3025 (part-32) – 1988
12.	Sulphate	mg/l	Max 200	Max 400	190.6	IS 3025 (part-24) – 1986
13.	Fluoride	mg/l	Max 1.0	Max 1.5	0.52	IS 3025 (part-60) – 2008
14.	Total Alkalinity	mg/l	Max 200	Max 600	204.6	IS 3025 (part-23) – 1986
15.	Iron as Fe	mg/l	Max 0.3	No Relaxation	0.25	IS 3025 (part-53) – 2003
16.	Residual free chlorine	mg/l	Min 0.2	Max 1.0	Absent	IS 3025 (part-26) – 1986
17.	Copper as cu	mg/l	Max 0.05	Max 1.5	Absent	IS 3025 (part-42) – 1992
18.	Manganese as Mn	mg/l	Max 0.1	Max 0.3	Absent	IS 3025 (part-59) – 2006
19.	Nitrates	mg/l	Max 45.0	No Relaxation	17.46	IS 3025 (part-34) – 1988
20.	Phenolic Compound	mg/l	Max 0.001	Max 0.002	Absent	IS 3025 (part-43) – 1992
21.	Mercury as Hg	mg/l	Max 0.001	No Relaxation	Absent	IS 3025 (part-48) – 1994
22.	Cadmium as Cd	mg/l	Max 0.003	No Relaxation	Absent	IS 3025 (part-41) – 1992
23.	Selenium as Se	mg/l	Max 0.01	No Relaxation	Absent	IS 3025 (part-53) – 2003

-----End of The Test Report----- Page 1 of 1



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Sr. No.	Parameters	Unit	Drinking water Standard As per IS 10500		Result Ground Water	Method of Test
			Requirement (Acceptance Limit)	Permissible Limit In The Absence Of Alternate Source		
24.	Arsenic as As	mg/l	Max 0.01	Max 0.05	Absent	IS 3025 (part-37) – 1988
25.	Cyanide as CN	mg/l	Max 0.05	No Relaxation	Absent	IS 3025 (part-27) – 1986
26.	Lead as Pb	mg/l	Max 0.01	No Relaxation	Absent	IS 3025 (part-47) – 1994
27.	Zinc as Zn	mg/l	Max 5.0	Max 15.0	0.49	IS 3025 (part-49) – 1994
28.	Anionic detergents (As MBAS)	mg/l	Max 0.02	Max 1.0	Absent	Ann-K of IS:13428:2005
29.	Chromium as Cr <sup>+6</sup>	mg/l	Max 0.05	No Relaxation	Absent	IS 3025 (part-53) – 2003
30.	Polynuclear aromatic hydrocarbons	mg/l	Max 0.0001	No Relaxation	Absent	APHA 6440
31.	Mineral oil	mg/l	Max 0.5	No Relaxation	Absent	IS 3025 (part-39) – 1991
32.	Pesticides	mg/l	Max 1	No Relaxation	Absent	AOAC 990.06
33.	Aluminum as Al	mg/l	Max 0.03	Max 0.2	Absent	IS 3025 (part-55) – 2003
34.	Boron	mg/l	Max 0.5	Max 1.0	0.23	IS 3025 (part-57) – 2005
35.	Ammonia	mg/l	Max 0.5	No Relaxation	N.D.(D.L.=0.01)	IS 3025 (part-37) – 1988
36.	Barium (as Ba)	mg/l	Max 0.7	No Relaxation	N.D.(D.L.=0.5)	Anx-F of IS: 13428:2005
37.	Chloramines (as Cl <sub>2</sub> )	mg/l	Max 4	No Relaxation	N.D.(D.L.=0.5)	IS 3025 (part-26) – 1986
38.	Silver (as Ag)	mg/l	Max 0.1	No Relaxation	N.D.(D.L.=0.005)	Anx-J of IS:13428:2005
39.	Sulphide (as H <sub>2</sub> S)	mg/l	Max 0.05	No Relaxation	N.D.(D.L.=0.01)	IS 3025 (part-29) – 2003
40.	Molybdenum (as Mo)	mg/l	Max 0.07	No Relaxation	N.D.(D.L.=0.03)	IS 3025 (part-2) – 1994
41.	Nickel (as Ni)	mg/l	Max 0.02	No Relaxation	N.D.(D.L.=0.01)	IS 3025 (part-54) – 2003
42.	Poly chlorinated biphenyls (PCB)	mg/l	Max 0.0005	No Relaxation	N.D.(D.L.=0.0001)	APHA 6440
43.	Total Coliform Bacteria	MPN/100 ml	Shall not be detectable in any 100 ml sample		Absent	IS:1622-1981 reaffirmed: 2003
44.	E. Coliform Bacteria	MPN/100 ml	Shall not be detectable in any 100 ml sample		Absent	IS:1622-1981 reaffirmed: 2003
45.	Pseudomonas	MPN/100 ml	Shall not be detectable in any 100 ml sample		Absent	IS:13428-Annx-D: 2005
46.	Salmonella	MPN/100 ml	Shall not be detectable in any 100 ml sample		Absent	IS:15187-2002
47.	Thermotolerant Coliform	MPN/100 ml	Shall not be detectable in any 100 ml sample		Absent	IS:1622-1981 reaffirmed: 2003

Note : N.D. : Not Detected, D.L. : Detection Limit  
 Our Laboratory is NABL Approved and Its Certificate Number TC-5892 and Its valid up to 17/11/2024

<b>Analyzed by</b>	<b>Authorized Signatory</b>
Source of Prescribed Norms: as per IS 10500	Field remark:

-----End of The Test Report----- Page 1 of 1





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## TEST REPORT

<b>Customer's Name and Address</b> <b>M/s. Toyo Engineering India Private Limited.</b> Survey No. 866-867, TalukaKodinar, Village:Chhara, Girsommath, Gujarat-362720	FORMAT NO.	F/LID/54
	REPORT DATE	28/04/2023
	REPORT NO.	EET/202304436



Description of sample	Ambient Air Quality	Lab ID Code	AQ/04/436
Date of sampling	20/04/2023 to 21/04/2023	Sampling time	09:00 to 09:00
Sample collected by	Field Chemist	Sampling method	Standard practice
Packing/seal	Satisfactory	Date of starting of test	22/04/2023
		Date of completion of test	25/04/2023

## RESULT TABLE

Sampling location	Near Toyo Office		
Environmental Conditions			
Temperature	Max:38.5 <sup>0</sup> C	Min:22.4 <sup>0</sup> C	
Humidity, %	Max:62	Min:30	

Sr	Parameter	Unit	Test method	Result	Prescribe Norms
1	Particulate Matter-2.5, PM <sub>2.5</sub>	µg/m <sup>3</sup>	IS 5182 (Part - 24) - 2019	32.70	60
2	Particulate Matter-10, PM <sub>10</sub>	µg/m <sup>3</sup>	IS 5182 (Part - 23) - 2016	73.14	100
3	SO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part - 2) - 2001	12.65	80
4	NO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part - 6) - 1975	16.08	80
5	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 (Part - 10) - 1999	0.8	4.0
6	Arsenic	ng/m <sup>3</sup>	AAS/ICP Method	Nil	06
7	Nickel	ng/m <sup>3</sup>	AAS/ICP Method	Nil	20
8	Lead	µg/m <sup>3</sup>	AAS/ICP Method	Nil	1.0
9	Ozone	µg/m <sup>3</sup>	IS 5182 (Part-09) -1974	6.4	100

Note : Our Laboratory is NABL Approved and Its Certificate Number TC-5892 and Its valid up to 17/11/2024

 <b>Analyzed by</b> Source of Prescribed Norms: National Ambient air Quality	 <b>Authorized Signatory</b> Field remark:
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-----End of The Test Report----- Page 1 of 1



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## TEST REPORT

<b>Customer's Name and Address</b> <b>M/s. Toyo Engineering India Private Limited.</b> Survey No. 866-867, TalukaKodinar, Village:Chhara, Girsomnath, Gujarat-362720	FORMAT NO.	F/LID/54
	REPORT DATE	28/04/2023
	REPORT NO.	EET/202304437



Description of sample	Ambient Air Quality	Lab ID Code	AQ/04/437
Date of sampling	20/04/2023 to 21/04/2023	Sampling time	09:15 to 09:15
Sample collected by	Field Chemist	Sampling method	Standard practice
Packing/seal	Satisfactory	Date of starting of test	22/04/2023
		Date of completion of test	25/04/2023

## RESULT TABLE

Sampling location	Near Ray Batching Plant		
Environmental Conditions			
Temperature	Max:38.5 <sup>0</sup> C	Min:22.4 <sup>0</sup> C	
Humidity, %	Max:62	Min:30	

Sr	Parameter	Unit	Test method	Result	Prescribe Norms
1	Particulate Matter-2.5, PM <sub>2.5</sub>	µg/m <sup>3</sup>	IS 5182 (Part – 24) - 2019	35.64	60
2	Particulate Matter-10, PM <sub>10</sub>	µg/m <sup>3</sup>	IS 5182 (Part – 23) - 2016	74.56	100
3	SO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part – 2) – 2001	13.40	80
4	NO <sub>2</sub>	µg/m <sup>3</sup>	IS 5182 (Part – 6) – 1975	15.85	80
5	Carbon Monoxide	mg/m <sup>3</sup>	IS 5182 (Part – 10) – 1999	0.6	4.0
6	Arsenic	ng/m <sup>3</sup>	AAS/ICP Method	Nil	06
7	Nickel	ng/m <sup>3</sup>	AAS/ICP Method	Nil	20
8	Lead	µg/m <sup>3</sup>	AAS/ICP Method	Nil	1.0
9	Ozone	µg/m <sup>3</sup>	IS 5182 (Part-09) -1974	6.8	100

Note : Our Laboratory is NABL Approved and Its Certificate Number TC-5892 and Its valid up to 17/11/2024

 <b>Analyzed by</b>	 <b>Authorized Signatory</b>
Source of Prescribed Norms: National Ambient air Quality	Field remark:

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**TEST REPORT**

<b>Customer's Name and Address</b> <b>M/s. Toyo Engineering India Private Limited.</b> Survey No. 866-867, TalukaKodinar, Village:Chhara, Girsommath, Gujarat-362720	FORMAT NO.	F/LID/55
	REPORT DATE	28/04/2023
	REPORT NO.	EET/202304438

Description of sample	Noise level Monitoring	Lab ID Code	NM/04/438
Date of sampling	20/04/2023	Sampling method	IS 9989 – 1981 RA 2001
Sample collected by	Field Chemist		

**RESULT TABLE**

Sr	SAMPLING LOCATION	Unit	Result	
			Day Time (6 AM – 10 PM)	Night Time (10 PM – 6 AM)
1.	Near Admin Office	dB (A)	70.4	60.7
2.	Near Ray Batching Plant	dB (A)	72.9	66.5

Note : Day Time Norms 75 dB(A)

Night Time Norms 70 dB(A)

Our Laboratory is NABL Approved and Its Certificate Number TC-5892 and Its valid up to 17/11/2024

<b>Analyzed by</b>	<b>Authorized Signatory</b>
Source of Prescribed Norms: Standard Norms	Field remark:

-----End of The Test Report----- Page 1 of 1



**ANNEXURE 4: COPY OF CONSENT TO ESTABLISH (CTE)****GUJARAT POLLUTION CONTROL BOARD**

PARYAVARAN BHAVAN  
Sector-10-A, Gandhinagar-382 021.  
Website : www.gpcb.gov.in

BY RPAD

**"Consent to Establish"(CTE)**

CTE NO.: 78045

No. GPCB/JNG-C -120/ID- 50585/ 352346

13/04/16

To,

M/S. HPCL SHAPOORJI ENERGY PRIVATE LIMITED (HSEPL),  
SURVEY NO: 449, 532, 450- 455, 844 -869, 872/P1  
VILL: CHHARA - 362720,  
TAL: KODINAR,  
DIST: GIR SOMNATH.

**Sub:** Consent to Establish under Section 25 of Water Act 1974 and Section 21 of Air Act 1981 and Haz. Waste Rules, 2008.

**Ref:** Your CTE fresh application Inward ID No. 104450 dated 08/03/2016.

Sir,

Without prejudice to the powers of this Board under the Water (Prevention & Control of Pollution) Act-1974, the Air Act-1981 and the Environment (Protection) Act1986 and without reducing your responsibilities under the said Acts in any way, this is to inform you that this Board grants **Consent to Establish** for setting up of your industrial plant at **SURVEY NO: 449, 532, 450- 455, 844 -869, 872/P1, VILL: CHHARA - 362720,TAL: KODINAR,DIST: GIR SOMNATH** for the manufacturing of the following items: **The Validity period of the order will be Seven years i.e. up to 07/03/2023.**

Sr.No.	Product	Quantity
1	Storage and Re-gasification of LNG	5 Million Metric Tonne/Annum

**CONDITIONS UNDER WATER ACT 1974:**

1. The water consumption and waste water generation shall be as under

	Water Consumption	Waste water generation
Industrial	541 KL/Day	Nil
Domestic	10 KL/Day	8 KL/Day

2. The sewage effluent shall be treated in STP. The Sewage treatment plant consisting of the following units:

- i. Screen chamber
- ii. Oil & Grease tank
- iii. Equalization tank no.1
- iv. MBBR tanks -2 Nos.
- v. Secondary settling tank -1 no.
- vi. Filter press
- vii. Sludge collection sump
- viii. NaOCl Dosing tank
- ix. Intermediate collection tank -1 no.
- x. Dual media filter -1 no.
- xi. Final collection tank -1 no.

3. There shall be no generation of industrial effluent from the manufacturing Process and other ancillary industrial operations

4. Treated sewage water shall be used for gardening within premises.

Page 1 of 3

Clean Gujarat Green Gujarat  
ISO - 9001 - 2008 & ISO - 14001 - 2004 Certified Organisation

**CONDITIONS UNDER THE AIR ACT:**

5. The following shall be used as fuel.

Sr No.	Fuel	Quantity
1.	Natural Gas	60 T/Hrs
2.	Diesel	290 Lit/Hrs

6. The applicant shall install & operate air pollution control system in order to achieve norms prescribed below

7. The flue gas emission through stack shall conform to the following standards:

Stack No.	Stack attached to	Stack height in Meter	Air Pollution Control system	Parameter	Permissible Limit
1.	Flare stack	30	N.A	Particulate Matter	150 mg/NM3
2.	Gas engine generator -2	30	N.A	SO2	100 ppm
3.	Gas engine generator -1	30	N.A	NOx	50 ppm
4.	Gas engine generator -3	30	N.A		
5.	Submerged combustion vaporiser	12	N.A		
6.	D.G Sets 1 MW	30	Acoustic enclosure		

8. There shall be no process gas emission.
9. Stack monitoring facilities like port hole, platform/ladder etc., shall be provided with stacks/vents chimney in order to facilitate sampling of gases being emitted into the atmosphere.
10. Ambient air quality within the premises of the industry shall conform to the following standards:-

PARAMETERS	PERMISSIBLE LIMIT Annual	PERMISSIBLE LIMIT 24 hrs. Average
Particulate Matter <sub>10</sub>	60 Microgram/NM <sup>3</sup>	100 Microgram/M <sup>3</sup>
Particulate Matter <sub>2.5</sub>	40 Microgram/NM <sup>3</sup>	60 Microgram/M <sup>3</sup>
SO <sub>2</sub>	50 Microgram/NM <sup>3</sup>	80 Microgram/M <sup>3</sup>
NO <sub>x</sub>	40 Microgram/NM <sup>3</sup>	80 Microgram/M <sup>3</sup>

11. All measures for the control of environmental pollution shall be provided before commencing production.

**CONDITIONS UNDER HAZARDOUS WASTE:**

12. Applicant shall have to comply with provisions of Hazardous Waste (Management & Handling & Trans boundary Movement) Rules-2008 as amended from time to time.
- 12.1 The applicant shall obtain membership of common TSDF site for disposal of Haz. Waste as categorized in Hazardous Waste (Management & Handling & Trans boundary Movement) Rules-2008 as amended from time.
- 12.2 The applicant shall provide temporary storage facilities for each type of Haz. Waste as per Hazardous Waste (Management & Handling & Trans boundary Movement) Rules-2008 as amended from time to time

**GENERAL CONDITION :**

13. Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.

*CC Blumans*



## GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN  
Sector-10-A, Gandhinagar-382 021.  
Website : [www.gpcb.gov.in](http://www.gpcb.gov.in)

14. The applicant shall have to submit the returns in prescribed form regarding water consumption and shall have to make payment of water cess to the Board under the Water Cess Act- 1977.
15. In case of change of ownership/management the name and address of the new owner's /partners/ directors/ proprietor should immediately be intimated to the Board.
16. The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the Water Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986.
17. The applicant also comply with the General conditions as per Annexure - I attached herewith (No.1 to 38) (whichever applicable).
18. The concentration of Noise in ambient air within the premises of industrial unit shall not exceed following levels:  
Between 6 A.M. and 10 P.M.: 75 dB (A)  
Between 10 P.M. and 6 A.M.: 70 dB (A)
19. Applicant is required to comply with the manufacturing, Storage and Import of Hazardous Chemicals Rules-1989 framed under the Environment (Protection) Act-1986.
20. If it is established by any competent authority that the damage is caused due to their industrial activities to any person or his property in that case they are obliged to pay the compensation as determined by the competent authority.

For and on behalf of  
GUJARAT POLLUTION CONTROL BOARD

(CHIRAG BHIMANI)  
UNIT HEAD

COPY TO: Regional Officer, G. P. C. Board, Junagadh- For compliance monitoring and submission of monitoring report for compliance of the conditions

**ANNEXURE 5: COPY OF AUTHORIZATION LETTER FROM GUJARAT MARITIME BOARD (GMB)  
TO CONSTRUCT AND MAINTAIN LNG TERMINAL AT CHHARA PORT**

No. GMB/N/PVT-1/1628/439 /7447

Date: October 25, 2019

NOV. 2

**Capt. Nitin Bondre**

**CEO - Ports and Terminals**

Simar Port Private Limited

SP Centre, 41/44, Minoo Desai Marg

Colaba, Mumbai - 400 005

**Sub: Authorization by Gujarat Maritime Board Act, by the notifications under the provisions of section 35 (1), to HPCL Shapoorji Energy Private Limited ("HSEPL") to construct and maintain LNG Terminal at the Chhara port under Sub-Concession with Simar Port Private Limited.**

**Ref: 1. Your office letter no. SPPL/Chhara/38/2019 dated May 13, 2019**  
**2. Your office letter no. SPPL/Chhara/54/2019 dated July 08, 2019**  
**3. Your office letter no. HSEPL/GMB/2019/010 dated August 20, 2019**  
**4. Your office letter no. HSEPL/GMB/2019/011 dated August 20, 2019**

Sir,

GMB vide letter dated April 4, 2016 had granted in-principle approval for acceptance of M/s HPCL Shapoorji Energy Private Limited (HSEPL) as a sub-concessionaire for development of LNG Terminal at Chaara. Pursuant to in-principle approval by GMB, GMB vide letter dated October 18, 2017 has approved the Detailed Project Report (DPR) for the development of LNG Terminal at Chhara. Environment Clearance from MOEF, GOI for the LNG Terminal has been received vide its letter dated March 5, 2019 and consent to establish has been received from GPCB vide its letter dated April 13, 2019.

Vide the letter under reference no. 1 you had requested to grant approval to HPCL Shapoorji Energy Private Limited to construct and maintain LNG Storage and Re-gasification Terminal at the Chhara port and vide letter under reference no. 2, 3 and 4 you had submitted various details related to the project. Your request was put up before the Board of GMB in its 257<sup>th</sup> meeting held on October 4, 2019. The Board vide Resolution no. 3394 has resolved to accord construction permission to M/s. Simar Port Pvt. Ltd. for the development of LNG terminal at Chhara by M/s. HPCL Shapoorji Energy Private Limited under section 35(1) of GMB Act 1981 subject to following conditions:



- (a) The construction shall be strictly in accordance with the Approved DPR/amended DPR and any changes or deviation from the approved DPR shall be subject to prior approval of GMB.
- (b) The period for completion of construction of Contracted Assets of LNG terminal shall be as per the approved DPR. The scheduled construction period of the LNG terminal shall be 3 years from the date of conveying the construction permission by GMB, failing to which HSEPL shall have to pay liquidated damages as per provision of concession agreement.
- (c) HSEPL shall be liable to pay the waterfront royalty for LNG cargo to GMB equivalent to the rate of waterfront royalty payable by the existing LNG port terminals companies in Gujarat. The current waterfront royalty applicable to existing LNG Port Terminals is Rs. 179.16/- per ton of LNG with effect from 1<sup>st</sup> April, 2019. The waterfront royalty for LNG cargo shall be subject to an escalation on 1<sup>st</sup> April every three years by an amount equal to twenty percent (20%) of the previous waterfront royalty. The next escalation shall occur on the first of April of the Financial Year 2022.
- (d) HSEPL shall have to achieve the financial closure and submit the relevant documents to GMB before starting the construction activities.
- (e) SPPL/HSEPL shall submit to GMB copies of all detailed design and engineering drawings for approval.
- (f) SPPL/HSEPL shall have to provide monthly progress report of the construction activities.
- (g) SPPL/HSEPL shall have to obtain a completion certificate from GMB upon completion of the construction.
- (h) SPPL/HSEPL shall have to submit a separate proposal for landing and shipping place declaration.
- (i) SPPL/HSEPL shall have to obtain necessary approvals/permissions before commencement of cargo handling.
- (j) SPPL/HSEPL shall have to share the information regarding Bids of EPC contractor with GMB.
- (k) The construction shall be at the risk and cost of HSEPL.
- (l) SPPL/HSEPL shall have to obtain all necessary statutory clearances required before starting construction.
- (m) HSEPL shall provide an irrevocable and unconditional guarantee from a reputed bank for an amount of equivalent to 3 % of the value of the Contracted Assets + applicable taxes for LNG terminal project in accordance with the Approved DPR and the Construction Guarantee shall be from short listed banks by GOG in a form prescribed by GMB within 4 weeks from the date of issuance of Construction permission, failing which this construction permission shall stand cancelled.
- (n) SPPL/HSEPL shall have to adhere to all the conditions stated above, failing of which will be treated as the breach of terms and conditions of Concession Agreement and sub-concession agreement.
- (o) SPPL/HSEPL shall have to strictly follow relevant conditions of the Concession Agreement/Sub-concession agreement during the construction phase.

- (p) GMB/GOG may also impose any other terms and conditions as and when required which will be applicable to SPPL/HSEPL.
- (q) HSEPL has to pay all the applicable charges to the competent authority.
- (r) SPPL shall have to submit a letter accepting all the above terms and conditions within seven days of the issuance of the letter, failing to that, will automatically cancel the construction permission.

Thanking you.

Yours sincerely,



Vice Chairman &  
Chief Executive Officer

o/c  
25/10/19  
25/10/19  
25/10/19

**Copy to:** Port Officer, Veraval

**ANNEXURE 6: COPY OF CLEARANCE LETTER SUBMITTED TO DISTRICT DEVELOPMENT OFFICER OF GIR SOMNATH DISTRICT**



**HPCL SHAPOORJI ENERGY PVT LTD**

From: Site Office, Kodinar

Date: 24<sup>th</sup> April, 2019

To  
District Development Officer,  
Dist. Gir-Somnath  
Gujarat

SUBJECT: Submission of copy of Environment Clearance for development of LNG Terminal

Dear Sir,

Please find the attached copy of Environment Clearance for development of LNG Storage and re-gasification Terminal at village Chhara, Taluka Kodinar, District Gir Somnath.

This is for kind information.

Thanking you.

Yours sincerely

For HPCL Shapoorji Energy Private Limited,

*S. Dany*  
Authorize Signatories



*o/c*  
Enclosed: Copy of Environment Clearance for LNG Storage & re-gasification terminal




Corporate Office Third Floor - West Wing, Forbes Building, Charanjit Rai Marg, Fort, Mumbai - 400001.

Registered Office Venus Amadeus, 301-305, 3rd Floor, Jodhpur Cross Road, Satellite, Ahmedabad - 380015.

Tel 022 62796666

CIN U40101GJ2013PTC077228

**ANNEXURE 7: COPY OF CLEARANCE LETTER SUBMITTED TO TALUKA DEVELOPMENT OFFICER OF KODINAR, DISTRICT GIR SOMNATH**



**HSEPL**  
HPCL SHAPOORJI  
ENERGY PVT LTD

**HPCL SHAPOORJI ENERGY PVT LTD**

From: Site Office, Kodinar  
Date: 24<sup>th</sup> April, 2019

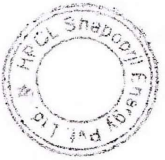
To  
Taluka Development Officer,  
Kodinar  
Dist. Gir-Somnath  
Gujarat

SUBJECT: Submission of copy of Environment Clearance for development of LNG Terminal

Dear Sir,  
Please find the attached copy of Environment Clearance for development of LNG Storage and re-gasification Terminal at village Chhara, Taluka Kodinar, District Gir Somnath.  
This is for kind information.

Thanking you.  
Yours sincerely  
For HPCL Shapoorji Energy Private Limited,

*S. D. Singh*  
Authorize Signatories



*સ્વામી (S. D. Singh)*  
ઇન્ચાર્જ ક્લાર્ક  
તાલુકા પંચાયત કચેરી, કોડીનાર

Enclosed: Copy of Environment Clearance for LNG Storage & re-gasification terminal

*O/C*

Corporate Office Third Floor - West Wing, Forbes Building, Charanjit Rai Marg, Fort, Mumbai - 400001.  
Registered Office Venus Amadeus, 301-305, 3rd Floor, Jodhpur Cross Road, Satellite, Ahmedabad - 380015.  
Tel 022 62796666 CIN U40101GJ2013PTC077228



**ANNEXURE 8: COPY OF CLEARANCE LETTER SUBMITTED TO MUNICIPAL CORPORATION,  
KODINAR****HPCL SHAPOORJI ENERGY PVT LTD**

From: Site Office, Kodinar

Date: 24<sup>th</sup> April, 2019

To  
Municipal Corporation,  
Kodinar  
Dist. Gir-Somnath  
Gujarat

SUBJECT: Submission of copy of Environment Clearance for development of LNG Terminal

Dear Sir,

Please find the attached copy of Environment Clearance for development of LNG Storage and re-gasification Terminal at village Chhara, Taluka Kodinar, District Gir Somnath.

This is for kind information.

Thanking you.

Yours sincerely

For HPCL Shapoorji Energy Private Limited,

*S.D.*  
Authorize Signatories



Enclosed: Copy of Environment Clearance for LNG Storage &amp; re-gasification terminal

o/c *B. S. Bhatnagar*  
*25/4/19*  
Municipal Corporation

Corporate Office Third Floor - West Wing, Forbes Building, Charanjit Rai Marg, Fort, Mumbai - 400001.

Registered Office Venus Amadeus, 301-305, 3rd Floor, Jodhpur Cross Road, Satellite, Ahmedabad - 380015.

Tel 022 62796666

CIN U40101GJ2013PTC077228

**ANNEXURE 9: COPY OF CLEARANCE LETTER SUBMITTED TO GUJARAT POLLUTION CONTROL BOARD, RO, JUNAGADH****HPCL SHAPOORJI ENERGY PVT LTD****CTE No: 78045****Ref no. HSEPL-GPCB-L-002**

Date: 09-Apr-2019

To,  
Regional Officer,  
'Pankaj Bungalow',  
Opp. Saint Anne's Church,  
Station Road,  
Junagadh - 362 001

**Subject: Submission of copy of MoEF&CC letter 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 (HSEPL)**

**F. No.:** 11-01/2014-IA-III**Proposal No.:** IA/GJ/MIS/61501/2014 dated 23-Feb-14

Dear Sir,

This with reference to the Consent to Establish (CTE) received from GPCB vide letter (No.: GPCB/JNG-C-120/ID-50585/352346) dated 13-Apr-16 by CTE no. 78045. HPCL Shapoorji Energy Pvt. Ltd. (HSEPL) has received grant of Environmental clearance and CRZ clearance (EC) for the project 'Development of LNG storage and re-gasification terminal at village Chhara Taluka Kodinar, District Gir Somnath, Gujarat on 5-Mar-2019.

Please find attached copy of aforesaid letter from MoEF&CC for grant of EC for the records of your good office.

Thanking You,

(Vinod Kumar)  
Sr. Project Manager.

**Enclosed:** 1. EC letter dated 5-Mar-19



Corporate Office Third Floor - West Wing, Forbes Building, Charanjit Rai Marg, Fort, Mumbai - 400001.

Registered Office Venus Amadeus, 301-305, 3rd Floor, Jodhpur Cross Road, Satellite, Ahmedabad - 380015, Page 1 of 1

Tel 022 62796666

CIN U40101GJ2013PTC077228

**ANNEXURE 10: COPY OF PERMISSION LETTER FOR CONSTRUCTION OF LNG IMPORT, STORAGE, REGASIFICATION TERMINAL AT CHHARA FROM PESO**

<p>कार "विस्फोट", नागपुर          Telegram: 'EXPLOSIVES', Nagpur          Website: <a href="http://peso.gov.in">http://peso.gov.in</a>          Email: <a href="mailto:explosives@explosives.gov.in">explosives@explosives.gov.in</a>          दूरभाष/ Telephone : 0712-2510248          फेक्स/ FAX : 2510577</p> <p>यालयीन उद्देश्य, सभी पत्रादि "मुख्य विस्फोट नियंत्रण" पदनाम से भेजे जाएं, उन व्यक्ति का नाम से नहीं।</p> <p>All communications intended for this Office should be addressed to the 'Chief Controller of Explosives' and NOT to him by name.</p>	  <p>भारत सरकार          GOVERNMENT OF INDIA          पेट्रोलियम तथा विस्फोट सुरक्षा संगठन          PETROLEUM AND EXPLOSIVES SAFETY ORGANISATION          (पूर्व नाम- विस्फोट विभाग)          (Formerly- Department of Explosives)          "ए" ब्लॉक, पाँचवा तल, न्द्रीय कार्यालय परिसर,          "A" Block, 5<sup>th</sup> Floor, CGO Complex,          सेमीनरी हिल्स, नागपुर-440 006 (महा.)          Seminary Hills, Nagpur- 440006</p>
<p>No. A/S/HO/GJ/03/1815 (S75157)          Nagpur, dated 15.11.2017</p>	
<p>To,  <b>M/s. HPCL Shapoorji Energy Pvt. Ltd.,          Venus Amadeus, 301-305, 3<sup>rd</sup> Floor,          Jodhpur Cross Road,          Satellite, Ahmedaad – 380 015</b></p>	
<p>Sub: Permission for construction of LNG import, storage, re-gassification terminal situated at Chhara Port, Dist. GIR Somnath (Gujarat) – Regarding.</p>	
<p>Dear Sirs,</p>	
<p>Please refer to your letter No. HSEPL/PESO/2017-18/008 dated 22.09.2017 and technical presentation on held in this office on 29.11.2016 &amp; 13.07.2017</p>	
<p>The drawing nos. 1001 Rev. 1, 0002 Rev. 2, 47406300/MN/GEN/T-01 REV. 0 showing proposed storage of LNG in 2 X 2,00,000 m<sup>3</sup> water capacity atmospheric storage tanks Nos. T-101 &amp; T-102, re-gassification terminal at Chhara Port, Dist. GIR Somnath (Gujarat) with tank design conditions, design calculations for inner tanks, bottom, roof structure, sizing of pressure relief valve, vacuum safety valve etc. submitted by you meets with the requirements of International Standards and codes meant for LNG storage tanks and other facilities in principle with the following conditions :-</p>	
<p>1. 2.</p>	<p>To submit a copy of Environmental Clearance granted by Ministry of Environment &amp; Forest, Govt. of India alongwith other documents required for grant of commissioning permission for the above said LNG atmospheric storage tanks in future.          To submit a copy of land lease agreement entered between M/s. Simar Port Pvt. Ltd., to M/s. HPCL Shapoorji Energy Pvt. Ltd.,</p>

After completion of construction and installation of facilities, you are requested to submit a detailed inspection and test certificate, from a reputed organization in respect of above said tanks, equipments including, pumps, compressors, electrical fittings, fire fighting facilities provided, as well as control certificate from third party inspector for construction and installation of said LNG storage tanks as per the Design Codes for further necessary action.

Encl. a/a.

Yours faithfully,



**(V. B. Borgaonkar)**




Dy. Chief Controller of Explosives  
for Chief Controller of Explosives

Copy forwarded to :-

1. The Jt. Chief Controller of Explosives, West Circle, Mumbai.
2. The Dy. Chief Controller of Explosives, Baroda

for Chief Controller of Explosives

## ANNEXURE 11: COPY OF LETTER FOR APPROVAL FOR CONSTRUCTION OF JETTY FOR HANDLING OF LNG AT CHHARA PORT FROM PESO

<p>Website : <a href="http://peso.gov.in">http://peso.gov.in</a>          Email: <a href="mailto:explosives@explosives.gov.in">explosives@explosives.gov.in</a>          दूरभाष/ Telephone : 0712-2510248          फ़ैक्स/ FAX : 2510577          कार्यालयीन उद्देश्य के सभी पत्रादि "मुख्य विस्फोटक नियंत्रक" के पदनाम से भेजे जाए उनके व्यक्तिगत नाम से नहीं.          All communications intended for this Office should be addressed to the 'Chief Controller of Explosives' and NOT to him by name.</p>	<div style="text-align: center;">   <b>भारत सरकार</b>  <b>GOVERNMENT OF INDIA</b>  <b>वाणिज्य और उद्योग मंत्रालय</b>  <b>Ministry of Commerce &amp; Industry</b>  <b>पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन</b>  <b>Petroleum and Explosives Safety Organisation</b>          (पूर्व नाम - विस्फोटक विभाग)          (Formerly- Department of Explosives)          'ए' ब्लॉक, पाँचवा तल, केन्द्रीय कार्यालय परिसर,          "A" Block, 5<sup>th</sup> Floor, CGO Complex,          सेमिनरी हिल्स, नागपुर - 440 006 (महा)          Seminary Hills, Nagpur - 440006       </div> <div style="text-align: right;">  </div>
संख्या /No.: G.22(47)178	Dated :27/10/2017
To, ✓ M/s. HPCL Shapoorji Energy Pvt. Ltd., Venus Amadeus, 301-305, 3rd Floor, Jodhpur Cross Road, Satellite, Ahmedabad-380015.	
Sub: - Approval for construction of Jetty for handling of Natural Gas at Chhara Port, Distt. Gir Somnath- regarding.	
Dear Sirs,	
Please refer to your letter No. Nil dated 07/09/2017.	
Drawing No. A642-000-1647-0002, 47406300/MN/GEN/T-01, HSEPL-PESO-003-00-2017-DWG-001, HSEPL-PESO-004-00-2017-DWG-001, HSEPL-PESO-004-00-2017-DWG-002, A642-000-12-42-1201, A642-000-12-42-1301 & A642-000-12-42-1101 showing for construction of Natural Gas Jetty at Chhara Port are returned herewith duly endorsed in token of approval under Manufacture, Storage & Import of Hazardous Chemicals (MSHIC) Rules, 1989 with following conditions.	
<ol style="list-style-type: none"> <li>1) Close Out report of HAZOP study shall be furnished.</li> <li>2) Close Out report with respect to compliance to OISD 156 including other applicable standards and codes shall be furnished.</li> <li>3) A comprehensive and exhaustive list of all the electrical equipments, junction boxes and starters etc. installed on the jetty platform and backup area shall be prepared in conjunction with hazardous area classification and their approval references from CCE, Nagpur.</li> <li>4) As built plans/drawings shall be submitted incorporating the safety distances and requirements laid down in OISD-156 incorporating the distance table as well,</li> <li>5) Pre-commissioning safety audit report from OISD/EIL shall be furnished.</li> <li>6) Necessary permission/NOC from the relevant authorities including DG shipping shall be obtained.</li> </ol>	
Once above facilities are fully completed/installed, you may approach Dy. Chief Controller of Explosives, Vadodara for inspection of the subject facilities. Further necessary action towards commissioning permission will be considered after receipt of As-built drawings without any ink/hand correction or colour coding along with compliance of the conditions stipulated above.	
This approval/permission does not absolve you from obtaining necessary permission/clearances from other authorities or under other statutes as applicable. All necessary safety precaution shall be taken to prevent accidents.	
<div style="text-align: right;">         Yours faithfully            (D. K. GUPTA)          Dy. Chief Controller of Explosives          for Chief Controller of Explosives       </div>	
Copy forwarded to The Dy. Chief Controller of Explosives, Vadodara. He is requested to inspect the above facility as and when approached by the company.	
<div style="text-align: right;">         for Chief Controller of Explosives       </div>	



**ANNEXURE 12: COPY OF LETTER FOR APPROVAL OF LAYING OF 36", 1.2 KM LONG LNG CIRCULATION LINES (2 NUMBERS) & 12", 1.2 KM LONG VAPOUR LINE FROM LNG RECEIVING JETTY TO B/L OF REGASIFICATION TERMINAL AT CHHARA FROM PESO**

Website : <http://peso.gov.in>  
Email : [explosives@explosives.gov.in](mailto:explosives@explosives.gov.in)  
दूरभाष/ Telephone : 0712-2510248

फैक्स/ FAX : 2510577  
कार्यालयीन उद्देश्य के सभी पत्रादि "मुख्य विस्फोटक नियंत्रक" के पदनाम से भेजे जाए उनके व्यक्तिगत नाम से नहीं.

All communications intended for this Office should be addressed to the 'Chief Controller of Explosives' and NOT to him by name.



भारत सरकार

GOVERNMENT OF INDIA

पेट्रोलियम तथा विस्फोटक सुरक्षा समन्वय

Petroleum and Explosives Safety Organisation

(पूर्व नाम - विस्फोटक विभाग)

(Formerly- Department of Explosives)

"ए-ब्लॉक 4, पाँचवा तल, केन्द्रीय कार्यालय परिसर,

"A" Block, 5<sup>th</sup> Floor, CGO Complex,

सेमिनरी हिल्स, नागपुर - 440 006 (महा)

Seminary Hills, Nagpur- 440006



संख्या /No.: P-2(4)1123

दिनांक /Nagpur, dated: 22/09/2017

To,

M/s. HPCL Shapoorji Energy Pvt. Ltd.,  
Venus Amadeus, 301-305, 3rd Floor,  
Jodhpur Cross Road, Satellite, Ahmedabad-380015.

Sub - Approval for laying of 36"x 1.2 M long Liquid Natural Gas re-circulation lines (2 Numbers) & 12" x 1.2 Km long vapour line from LNG receiving Jetty to Battery limit of Regasification Terminal at Chhara, Distt. Gir Somnath, Gujarat under Manufacture, Storage & Import of Hazardous Chemicals (MSIHC) Rules, 1989- regarding.

Dear Sirs,

Please refer to your letter no. Nil dated 07/09/2017 and discussions with your officials on the above subject.

Your above proposal of laying of subject pipelines meets with the approval of this office and copies of the drawing Nos. HSEPL-PESO-004-00-2017-DWG-001, HSEPL-PESO-003-00-2017-DWG-001, HSEPL-PESO-004-00-2017-DWG-002, 47406300/MN/GEN/T-01, A642-000-12-42-1201, A642-000-12-42-1301, A642-000-16-47-0002, A642-000-12-42-1101, 01-04-41-N-1111, 01-04-41-N-1112, 01-04-41-N-1113 & 01-04-41-N-1120 are returned herewith duly endorsed in token of approval with the following conditions:-

1. Application under Schedule VII and Safety Report under Schedule VIII of Manufacture, Storage & Import of Hazardous Chemicals (MSIHC) Rules, 1989 is furnished duly filled in and signed.
2. List of equipments shall be incorporated in the layout plan.
3. Pre-commission Safety Audit Report along with compliance of the recommendation shall be furnished.
4. Risk Analysis Report shall be furnished
5. Detailed S.O.Ps, Scheme of patrolling of ROU and systems of continuous monitoring of pipeline is submitted for perusal and record of this office.
6. As Built, P & I diagram including close out report of HAZOP study shall be furnished.
7. Necessary clearance from Ministry of Environment & Forest, State Pollution Control Board etc shall be furnished.
8. An exhaustive list of all electrical equipments/apparatus/instruments installed within Jetty premises, showing name of fittings, its make, model/Type, Test report, number and Chief Controller of Explosives approval reference with date etc. shall be forwarded for perusal and records.
9. Copy of PESO's approval for LNG Terminal shall be furnished.
10. Close Out report for compliance to OISD-156 shall be furnished.

Contd..2/-

-2-

After completion of the laying of entire stretch of pipeline and all associated facilities the same should be hydro tested according to the applicable code and detailed hydrotest report be submitted to this office together with four sets of "As built" drawings (without any ink/hand corrections) to enable this office to accord to commissioning permission of the pipeline as required under Manufacture, Storage & Import of Hazardous Chemicals (MSIHC) Rules, 1989.

Please also note that prior to commencing of laying of the pipeline the right of way shall have to be obtained by you. After installation, detailed drawing showing various segment of pipeline crossing, Surge Analysis Report, Risk Analysis Report, Clearance from Environment Ministry, ROW Notification etc. & Hydrotest Report shall be forwarded to this office alongwith as built drawing to enable it to accord permission to commission the pipeline.

Once above facilities are fully completed/installed, you may approach Dy. Chief Controller of Explosives, Vadodara for inspection of the subject facilities. Further necessary action towards commissioning permission will be considered after receipt of "As Built" drawings without any ink /hand correction or color coding along with compliance of the conditions stipulated above.

This approval/permission does not absolve you from obtaining necessary permission/clearances from other authorities or under other statutes as applicable.

All necessary safety precautions shall be taken to prevent accident.

Yours faithfully

(D.K. GUPTA)

Dy. Chief Controller of Explosives  
for Chief Controller of Explosives

Copy forwarded to The Dy. Chief Controller of Explosives, Vadodara. He is requested to inspect the subject facilities as and when approached by the applicant and submit his detailed report for further necessary action.

for Chief Controller of Explosives









**ANNEXURE 15: COPY OF LETTER FORWARDED TO THE REGIONAL OFFICE OF THIS MINISTRY AT BHOPAL, DATED MARCH 20, 2019****HPCL SHAPOORJI ENERGY PVT LTD**

Ref no. HSEPL/MOEFCC/2018-19/001

Date: 20-Mar-2019

To,  
Additional Principal Chief Conservator of Forests (C),  
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

**Subject: Submission of copies of advertisement 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 (HSEPL)**

F. No.: 11-01/2014-IA-III

Proposal No.: IA/GJ/MIS/61501/2014 dated 23-Feb-14

Dear Sir,

With reference to the Proposal (No.: IA/GJ/MIS/61501/2014) dated 23-Feb-14 with file no. 11-01/2014-IA-III, HPCL Shapoorji Energy Pvt. Ltd. (HSEPL) has received grant for the project `Development of LNG storage and re-gasification terminal at village Chhara Taluka Kodinar, District Gir Somnath, Gujarat on 5-Mar-2019.

As per the EC letter, "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."

Corporate Office Third Floor - West Wing, Forbes Building, Charanjit Rai Marg, Fort, Mumbai - 400001.

Registered Office Venus Amadeus, 301-305, 3rd Floor, Jodhpur Cross Road, Satellite, Ahmedabad - 380015.

Tel 022 62796666

CIN U40101GJ2013PTC077228

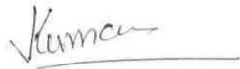
Page 1 of 2

Complying to above requirement, an advertisement was published on 11-Mar-2019, in following Newspapers:

1. Times of India – Ahmedabad Edition (English) dated 11-Mar-19.
2. Kesari – Junagadh Edition (Gujarati) dated 11-Mar-19.

The copies of aforesaid advertisements of EC in newspapers are attached herewith for the records of your good office.

Thanking You,







(Vinod Kumar)  
Sr. Project Manager.

**Enclosed:**

1. EC letter dated 5-Mar-19
2. Advertisement in Times of India (English) – Ahmedabad Edition dated 11-Mar-19
3. Advertisement in Kesari (Gujarati) – Junagadh Edition dated 11-Mar-19



**ANNEXURE 16: "CERTIFICATE" FROM TALUKA HEALTH OFFICE FOR DONATING THE MEDICAL EQUIPMENTS**

 <p>NATIONAL HEALTH MISSION राष्ट्रीय स्वास्थ्य मिशन</p>	<p><b>TALUKA HEALTH OFFICE - KODINAR</b></p> <p>CHC COMPOUND, NEAR TALUKA PANCHAYA, KODINAR, DIS. GIR SOMNATH PHONE - 02795-220030, EMALI - thokodinar.health.junagadh@gmail.com</p>	
	<p>DATE - 21/05/2021</p>	<p><b><u>CERTIFICATE</u></b></p>
<p>THIS IS TO CERTIFY THAT WE TALUKA HEALTH OFFICE KODINAR HAS RECEIVED.</p>		
<p>(1) FIVE NOs – BIPEP MACHINE (BMC)</p> <p>(2) FIVE NOs – OXYGEN CONCENTRATOR (EVOXS)</p> <p>(3) ONE NOs - VENTILATOR (RESPIWIN)</p>		
<p>AS A DONATION FROM <b>HPCL SHAPOORJI ENERGY PVT. LTD.</b> ON 21MAY 2021. FOR BETTERMENT OF COVID 19 PATIENT COMING FOR TREATMENT HERE AT GOVERNMENT COVID CARE CENTER AT KODINAR (DIST – GIR SOMNATH).</p>		
<p>TALUKA HEALTH OFFICE KODINAR AND GIR SOMNATH DISTRICT ADMINISTRATION HIGHLY APPRICIATE THE EFFORTS SHOWN BY <b>HPCL SHAPOORJI ENERGY PVT. LTD.</b> IN FIGHTING COVID 19 PANDEMIC SITUATIONS.</p>		
 <p>Taluka Health Officer Kodinar</p>		

**ANNEXURE 17: PHOTOGRAPHS**

	
<p>Tool box talk for construction workers</p>	<p>Construction workers using PPEs ( Welder with full body Aprons and Leather hand gloves)</p>
	
	
<p>National safety week Celebrations</p>	
	
<p>Sanitation facility at Construction site</p>	<p>DG Set at Construction site</p>





Safety slogans at Construction site



Boundary wall with CCTV surveillance and Intrusion detection system

Tree Plantation drive by HP LNG



HSE Training Centre at Site

First Aid Centre at Site





Medical facilities provided at Site



Safety awareness training and meetings at construction site