



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार का उपक्रम) रजिस्टर्ड ऑफिस - 17, जमशेदजी टाटा रोड, मुंबई - 400 020

HINDUSTAN PETROLEUM CORPORATION LIMITED

(A GOVERNMENT OF INDIA ENTERPRISE) REGISTERED OFFICE : 17 JAMSHEDJI TATA ROAD, MUMBAI - 400 020

CIN : L23201MH1952GOI008858

PANAGARH LPG BOTTLING PLANT
PLOT NO. : B-4, PANAGARH INDUSTRIAL PARK
VILLAGE : KOTA
DIST : EAST BURDWAN
PIN : 713148

पानागढ़ एलपीजी भराई संयंत्र
प्लॉट नः - बी - 4, पानागढ़ इंडस्ट्रियल पार्क
ग्राम - कोटा,
जिला - पूर्व बर्दमान,
पिन - 713148

Jan 21, 2019

To,

The Director (S)
Ministry of Env. and Forest, Climate Change
Regional Office (Eastern Zone), A/3, Chandrasekharpur,
Bhubaneswar-751023

Sub: Compliance report of EC conditions for the proposed LPG bottling plant of capacity 250 TMTPA of M/s. Hindustan Petroleum Corporation Ltd. at Plot no-B4, Panagarh Industrial Park of WBIDC, Village-Kota, Block-Aushgram-II, Dist — Burdwan, West Bengal, granted vide letter no. 4105/EN/T-II-1/009/2015 dt. 30/12/2015 of SLEIAA, West Bengal

Sir,

Please find enclosed the compliance report of the conditions stipulated vide above referred EC for your perusal and record.

Project coordinator HQO: Mr. V. Vishwanath, DGM-Projects, HPCL, Hindustan Bhavan-3, 8, Shoorji Vallabhdas Marg, Ballard Estate, Mumbai-400001 Phone no.022-22019532, 9987428587

Project In-charge & Location of the Site : S. Vaiphei, Ch. Manager-LPG Projects, HPCL Plot no-B4, Panagarh Industrial Park of WBIDC, Village-Kota, Block-Aushgram-II, Dist — Burdwan, West Bengal. Phone no. 8288078140

Land Area — 75 acres (alloted by WBIDC).

Status od of Sept 18: Bottling commenced in June 18.

We are furnishing the point wise compliance report as per Annexure-I

Thanking You,

Very Truly Yours,

S. Vaiphei
Ch. Manager-Projects

CC: Sr. Environmental Engineer, WBPCB, Paribesh Bhavan
CC: Member Secretary, WBPCCB

ANNEXURE-I

PROJECT: LPG bottling plant of capacity 250 TMTA of M/s. Hindustan Petroleum Corporation Ltd. at Plot no-B4, Panagarh Industrial Park of WBIDC, Village-Kota, Block-Aushgram-II, Dist — Burdwan, West Bengal

Project code: 110-168

Period of compliance: Apr 18-Sept 2018

	A. SPECIFIC CONDITIONS	COMPLIANCE STATUS
I.	The Applicant shall measure ambient air quality for the parameters PM10, PM2.5, NOX, SOX & hydrocarbon, VOC in and around the project site and shall maintain its records. The locations of the ambient air monitoring station shall be done in consultation with WBPCB.	All monitoring being carried out.
II.	The project authority shall strictly comply with the provisions made in the Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 and amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc.	We will comply as per your directions
III.	The project authority shall obtain all requisite clearances for fire safety and explosives and should comply with the stipulations made by the respective authorities. All safety measures shall be ensured during loading, filling and transfer points etc. Latest fire fighting equipments shall be implemented.	Obtained
IV.	Necessary permissions from various statutory authorities like Chief Controller of Explosive, Factory Inspectorate and others shall be obtained prior commissioning of the project. Requisite On-site & Off-site Disaster Management Plans shall be prepared and implemented.	Obtained permissions from CCE and Factory Inspectorate. Requisite on site & off-site DMP has been prepared and is forwarded herewith.
V.	Oil Industry Safety Directorate (OISD) standards and other standards issued by the Government of India for the construction and operation of the storage tanks shall be followed strictly.	We are following guidelines of OISD standards
VI.	Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised. First Aid Box, all types of fire extinguishers, water sprinkler, sand etc. shall be made readily available in adequate quantity at all the times. Necessary tie up with the nearby fire stations and other emergency services shall be made to ensure that the required aids reach within the shortest possible time in case of any adverse conditions.	All PPEs and firefighting system is being ensured

VII.	Training shall be imparted to all the workers on safety aspects of which shall include regular mock drill. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken on regular basis as per Factories Act & Rules.	Training being given to the workers on safety, occupational health surveillance of the workers is done and records maintained.
VIII.	The company shall carryout Disaster Management Plan risk assessment based on the Worst Case Scenario and Maximum Credible Accident scenario by competent agency. The company shall implement all preventive and mitigation measures suggested by the agency.	Disaster management plan is prepared by the competent agency.
IX.	The company shall undertake following waste minimization measures:	
	a. Good housekeeping	Being followed
	b. Use of automated and enclosed filling to minimize spillage.	Being provided
	c. Venting equipment through vapour recovery system.	Same is provided
X.	Groundwater shall not be abstracted without prior permission of the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.	Necessary permission obtained from SWID
XI.	Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.	Will be followed
XII.	The project authority shall install automatic leak detection systems and alarm systems at all strategic locations. Project authority shall install automatic interlocking shutdown systems incase of any leakage of gas.	Leak detection and monitoring system is provided
XIII.	Adequate provisions should be made for harvesting rainwater. The unit may develop water storage facilities of adequate capacity as proposed to harvest rainwater. The harvested water should be used for plantation, firefighting, washing and cleaning etc. Recharging of Groundwater is not permitted.	Noted and same provided
XIV.	Green belt shall be developed within the plant premises. At least 33% of the area should be kept for green belt development. At least 7000 trees should be planted in the exclusive tree plantation area consisting of 24.75 acres. Indicative list of species is given at Annexure-I. Green belt of 15 meter width should be developed all around the perimeter of the project plot. There should not be any removal/destruction of vegetative cover both at the establishment as well as the operational stage, without the sanction of appropriate authority.	Green belt is being developed and will cover 33% of site area and 7000 trees are planted.

XV.	Ambient noise level should not exceed the permissible limit. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Being followed
XVI.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. D. G. Sets to be installed for backup power shall be of enclosed type and conform to prescribe standards under EPA rules.	Same is followed
XVII.	Fugitive emission at workplaces shall be controlled and kept below the limits prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. For control of fugitive emission following steps shall be followed :	
	a) Closed handling system shall be provided.	Provided
	b) Pumps shall be provided with mechanical seals to prevent leakages.	Provided
XVIII.	c) System of leak detection and repair of pump/pipeline based on preventive maintenance.	Provided
	The hazardous waste shall be stored in separate designated hazardous waste storage facility with impervious bottom and leachate collection facility, before its disposal. Used oil shall be either reused as a lubricant or sold only to the registered recyclers.	Being followed
XIX.	Design of the mounded LPG Storage Vessels shall be done in accordance with the applicable Oil Industry Safety Directorate (OISD) — 150 and BS-5500 standards.	Being followed as per OISD
XX.	The entire plant shall be networked with pressurized fire hydrant lines having fire hydrants, long range monitors and deluge valves at strategic locations as per the OISD-144.	Followed as per OISD-144
XXI.	All internal roads should be pitched. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper house keeping shall be maintained within the premises.	Same is provided
XXII.	Fire Water Storage Tanks shall be provided and it shall be adequate to meet the requirements as per the OISD. Every fire water pump shall be tested for at least half an hour twice a week and shall be check for performance one in six months.	Fire water tanks of adequate capacity provided and testing of fire water pumps is ensured periodically.

XXIII.	Lightening protection devices shall be provided for all the storage tanks.	Provided
XXIV.	Remotely Operated Valve (ROV) shall be provided at strategic point on the LPG feeder line. The ROV shall be interlocked for auto-activation in the event of an emergency and provision shall also be made for activation by the emergency shutdown station.	ROVs provided. With Interlocking system.
XXV.	High temperature and high pressure alarm with auto-activation of water sprinklers as well as safety relief valve shall be provided.	Provided
XXVI.	The entire LPG Tank farm area shall be provided with leak detection sensors located at areas prone to fire risk / leakages.	Provided
XXVII.	Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.	Provided
XXVIII.	The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.	Will be followed
XXIX.	All the issues raised in the public hearing should be complied with.	Will be complied
XXX.	The Corporate Social Responsibility Plan with specific financial commitment should be implemented for the proposed project. Atleast 5% of the project cost should be utilised for Corporate Social Responsibility programmes. The proponent shall undertake community welfare measures in the project area involving infrastructure development in local schools etc.	Mobile medical Van carrying medical equipment & medicines with Doctor and staff already provided for surrounding villages. Other projects for providing clean drinking water, toilets are being undertaken

	B. GENERAL CONDITIONS	
I.	Prior Consent-to-Establish (NOC) for the proposed project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.	Consent-to-Establish (NOC) has been obtained from WBPCB. Also complied for all other statutory clearances
II.	The project proponent shall comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply, sanitation programme for local school and health care etc.	Will be followed

III.	All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.	Noted
IV.	Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.	Being followed
V.	The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA, West Bengal along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.	Being complied
VI.	No further expansion or modifications in the plant should be carried out without prior approval of the State Level Environment Impact Assessment Authority, West Bengal. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, West Bengal.	Noted
VII.	The West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of all the documents should also be forwarded to the State Level Environment Impact Assessment Authority, West Bengal.	Being complied
VIII.	The State Level Environment Impact Assessment Authority, West Bengal reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act. 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.	Noted

IX.	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation 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
X.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective zonal office of the WBPCB. The criteria pollutant levels namely: SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Being complied
XI.	The Project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the SEIAA, West Bengal. This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.	Complied
XII.	The Project Authorities should inform the State Pollution Control Board as well as the SEIAA, West Bengal, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work/project implementation.	complied
XIII.	The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2009, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.	Being complied


एस. वाइफेई / S. VAIPHEI
 मुख्य संयंत्र प्रबंधक/Chief Plant Manager
 हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड
 HINDUSTAN PETROLEUM CORPORATION LIMITED
 एल.पा.जी. भाग संयंत्र / L.P.G. Bottling Plant
 प्लॉट नं.-B-4 गानागड़ इंडस्ट्रियल पार्क
 ग्राम-कांटा, जिला-पूर्व वरधमान
 पिन-713148