

**Half Yearly Compliance Report
2024
01 Jun(01 Oct - 31 Mar)**

Acknowledgment

Proposal Name	Expansion of 100 KL/D Second Generation (2G) Bio-Ethanol Plant by additional 100 KL/D Grain based First Generation (1G) Ethanol plant at Baulsingha Village, District Bargarh, Odisha by M/s Bharat Petroleum Corporation Ltd.		
Name of Entity / Corporate Office	M/s. Bharat Petroleum Corporation Limited (BPCL)		
Village(s)	N/A		
District	BARGARH		
Proposal No.	IA/OR/IND2/221065/2021	Category	Industrial Projects - 2
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	ODISHA	Entity's PAN	NA
MoEF File No.	IA-J-11011/351/2017-IA-II(I)	Entity name as per PAN	NA

Compliance Reporting Details

Reporting Year 2024
Remarks (if any)
Reporting Period 01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office M/s. Bharat Petroleum Corporation Limited (BPCL)

	Project Area as per EC Granted	Annual Project Area in Possession
Private	0	0
Revenue Land	58.44	58.44
Forest	0	0
Others	0	0
Total	58.44	58.44

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Fuel Grade Ethanol	Kilo liters per Day (KLD)	N/A	100	0	

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
PPs Submission: Agreed to Comply "Continuous online monitoring systems for stack emissions have been provided in design and shall be implemented. This is a Zero Liquid Discharge plant hence no effluent shall be discharged from premises. The conditions shall be complied."		Date: 23/07/2024
2	AIR QUALITY MONITORING AND PRESERVATION	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
PPs Submission: Agreed to Comply The condition shall be complied		Date: 23/07/2024
3	AIR QUALITY MONITORING AND PRESERVATION	Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
PPs Submission: Agreed to Comply The condition shall be complied.		Date: 23/07/2024
4	Statutory compliance	As per OM dated 16th June, 2021, project falls in category B2 and the proposed capacity of 100 KLPD shall be only be used for fuel ethanol manufacturing as per self-certification in form of an affidavit by the Project Proponent. Provided that subsequently if it is found that the ethanol, produced based on the EC granted as per this dispensation, is not being used completely for EBP Programme, or if ethanol is not being produced, or if the said distillery is not fulfilling the requirements based on which the project has been appraised as category B2 project, the EC shall stand cancelled.
PPs Submission: Agreed to Comply Noted. After commissioning, Ethanol shall be used exclusively for fuel blending only. The conditions shall be complied.		Date: 23/07/2024
5	Statutory compliance	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
PPs Submission: Agreed to Comply The condition shall be complied.		Date: 23/07/2024
6	WATER QUALITY MONITORING AND PRESERVATION	The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises.

<p>PPs Submission: Agreed to Comply Plant is designed for Zero Liquid discharge. Same shall be ensured after commissioning of plant.</p>		<p>Date: 23/07/2024</p>
7	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>Total fresh water requirement shall not exceed 395 KLPD will be met from Bargarh canal. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard, and renewed from time to time. No ground water recharge shall be permitted within the premises.</p>
<p>PPs Submission: Agreed to Comply The conditions shall be adhered.</p>		<p>Date: 23/07/2024</p>
8	<p>WASTE MANAGEMENT</p>	<p>The spent wash shall be concentrated and dried to form DDGS to be used as cattle feed.</p>
<p>PPs Submission: Agreed to Comply "Spent wash concentration to DDGS has been considered in the plant design. The conditions shall be adhered."</p>		<p>Date: 23/07/2024</p>
9	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>CO2 generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.</p>
<p>PPs Submission: Agreed to Comply CO2 Liquefaction Plant for cleaning and liquefaction of CO2 generated during process is being installed.</p>		<p>Date: 23/07/2024</p>
10	<p>Human Health Environment</p>	<p>Occupational Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.</p>
<p>PPs Submission: Agreed to Comply The conditions shall be complied.</p>		<p>Date: 23/07/2024</p>
11	<p>Human Health Environment</p>	<p>Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.</p>
<p>PPs Submission: Agreed to Comply The conditions being complied and shall be ensured during operation phase also.</p>		<p>Date: 23/07/2024</p>
12	<p>Human Health Environment</p>	<p>The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.</p>
<p>PPs Submission: Being Complied "Noted. Adequate arrangement for protection of fire hazards is being implemented in plant design as per norms. The conditions shall be complied.</p>		<p>Date: 23/07/2024</p>
13	<p>WASTE MANAGEMENT</p>	<p>Process organic residue and spent carbon, if any, shall be sent to Cement other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.</p>
<p>PPs Submission: Agreed to Comply</p>		<p>Date:</p>

The condition shall be complied.		23/07/2024
14	WASTE MANAGEMENT	The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
PPs Submission: Agreed to Comply Waste minimization measures are being implemented in plant design. The conditions shall be complied.		Date: 23/07/2024
15	GREENBELT	The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.
PPs Submission: Agreed to Comply Due to space constraint inside the plot area, around 11 acres (-16 per.) of green belt is proposed to be developed inside the project area while remaining green belt of around 12 acres (-17 per.) is proposed to be developed at location identified by the District Revenue officials and Forest Department. Application for amendment of EC is being submitted to MoEFandCC.		Date: 23/07/2024
16	Corporate Environmental Responsibility	As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socio-economic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall to be completed within time as proposed.
PPs Submission: Agreed to Comply "Corporate Environment Responsibility (CER) activities being done as per company guidelines. The condition shall be complied."		Date: 23/07/2024
17	Human Health Environment	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products as per CPCB norms and no parking to be allowed outside on public places.
PPs Submission: Agreed to Comply The condition shall be complied		Date: 23/07/2024
General Conditions		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from

		those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
PPs Submission: Agreed to Comply The condition shall be complied.		Date: 23/07/2024
2	Statutory compliance	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
PPs Submission: Being Complied LED has been considered for lighting purpose in the premises. The condition shall be complied.		Date: 23/07/2024
3	ENERGY PRESERVATION MEASURES	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 shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
PPs Submission: Agreed to Comply The conditions shall be complied.		Date: 23/07/2024
4	Corporate Environmental Responsibility	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
PPs Submission: Being Complied "Noted. All relevant measures/ESC activities shall be undertaken as per company guidelines."		Date: 23/07/2024
5	MISCELLANEOUS	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
PPs Submission: Being Complied "Noted. The conditions being complied."		Date: 23/07/2024
6	MISCELLANEOUS	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
PPs Submission: Complied "Noted. A copy of the clearance letter was sent to Panchayat office, Zilla Parishad as required. EC Letter has been published on BPCL Corporate Website.		Date: 23/07/2024

		https://www.bharatpetroleum.com/Sustainability/Environmental-Clearance.aspx	
7	Statutory compliance	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	
PPs Submission: Being Complied "Noted. EC and six-monthly Compliance Reports has been published on BPCL Corporate Website. Copy of the six-monthly Compliance Report has been sent to SPCB, Regional office and Regional Office of the Ministry."			Date: 23/07/2024
8	Statutory compliance	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	
PPs Submission: Agreed to Comply "Noted. Form-V shall be submitted annually after plant commissioning."			Date: 23/07/2024
9	MISCELLANEOUS	The project authorities 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 the project.	
PPs Submission: Agreed to Comply "Noted. The condition shall be complied."			Date: 23/07/2024
10	Statutory compliance	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	
PPs Submission: Agreed to Comply Noted.			Date: 23/07/2024
11	Statutory compliance	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall 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 and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	
PPs Submission: Complied Subsequent to obtaining Environment Clearance from MoEFandCC for project, the same was published in two local newspapers: Times of India - Bhubaneswar (English) and Prameya - Odisha (Odia). Copy of the advertisement was forwarded to Regional Office of the Ministry.			Date: 23/07/2024

Visit Remarks

Last Site Visit Report Date:

N/A

Additional Remarks:

Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.