


Compliance points as per the Environmental Clearance for KG-DW N98/2

(Period April 2020- September 2020)


S. No.	Description	Compliance Status
Specific Conditions		
1.	Only high efficiency DG set with adequate stack height and modern emission control equipment and low sulphur clean diesel shall be used. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution	Complied and considered during procurement/design.
2.	CRZ clearance shall be obtained	Obtained
3.	Gas produced during testing shall be flared with appropriate flaring booms	Only one well under production presently and Gas produced during testing was sold to users instead of flaring.
4.	The flare system shall be designed as per good oil field practices and OISD guidelines. The stack height shall be provided as per the regulatory requirements and emission from the stacks will meet the MOEF/CPCB guidelines.	Complied during design. Flare system design shall be in accordance with relevant OISD guidelines and adequate stack length shall be provided to meet MOEF/CPCB guidelines.
5.	Total water requirement shall not exceed 30 m ³ /day and prior permission shall be obtained from the competent authority for the drawl of water. Only water based mud system shall be used	No Drilling activities have been carried out During this period.
6.	Water based drilling mud shall be discharged to the sea after proper dilution as per E (P) Rules vide G. S. R. 546 (E) dated 30 th August 2005	No Drilling activities have been carried out During this period.
7.	The company shall ensure that there shall be no impact on flora fauna due to drilling of wells in the offshore sea. The company shall undertake conservation measures to protect the marine animals/ biota in the region. The company shall monitor the petroleum	Being complied


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	hydrocarbons and heavy metals concentration in the marine fish species regularly and submit report to the ministry.	
8.	Treated wastewater (produced water or formation water) shall comply with the marine disposal standards notified under the Environment (Protection) Act 1986. Sewage treatment on board of the rig as per MARPOL regulation. Residual chlorine shall not exceed 1 mg/l before disposal. Standard for injection produced water into confined hydrocarbon reservoir structure at more than 1000 m with oil in water content of less than 10 ppm shall be complied.	No Drilling activities has been carried out During this period. Facilities being designed as per statutory norms
9.	The drill cutting (DC) wash water shall be treated to conform to limits notified under the Environment (Protection) Act, 1986, before disposal into sea. The treated effluent shall be monitored regularly.	No Drilling activities have been carried out During this period.
10.	All the guidelines shall be followed for the disposal of solid waste, drill cutting and drilling fluids for onshore and offshore drilling operation notified vide GSR.546 (E) dated 30 th August 2005. Different types of wastes shall be kept segregated.	No Drilling activities have been carried out During this period.
11.	High efficiency equipment shall be used to separate solids, hydrocarbons and water such as shale shakers with improved capacity to filter smaller solids, low shear pumps for use in produced water shall be employed	No Drilling activities have been carried out During this period.
12.	Good book keeping practices shall be put in place to manage wastes such as waste tracking program i.e. identify where and when the waste generated, the type of waste and its volume, the disposal method and its location, and the personnel responsible for the waste management	No Drilling activities have been carried out During this period.
13.	A Waste minimization plan shall be developed and followed through proper inventory management following best practices in drilling operations, good housekeeping practices and optimised equipment maintenance schedules	No Drilling activities have been carried out During this period.
14.	Only essential rig personnel shall be on board the rig. Emergency Response Plan and health, safety and environment (HSE) system shall be installed. Geo – hazard and geotechnical studies shall be carried out to ensure safe drilling operations	Complied while drilling

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15.	All the hazardous waste generated at the rig/offshore facility shall be properly treated, transported to on shore and disposed of in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008. No waste oil shall be disposed of into sea. Waste/used oil shall be brought on-shore and sold to MOEF/CPCB authorized recyclers/re-processors only	No Drilling activities have been carried out During this period.
16.	Requisite infrastructure facilities shall be provided near the offshore installations so that booms and skimmers/ chemical dispersants could be deployed immediately in case of oil leakage from the installations, Efforts shall be made to curtail the oil slick within 500 meters of the installation and accordingly, action plan and facilities to check the oil slick within 500 meters shall be provided.	No Drilling activities have been carried out During this period.
17.	Approval from DG shipping under Merchant Shipping Act prior to commencement of the drilling operations shall be obtained. At least 30 days prior to the commencement of drilling, the exact location shall be intimated to the director General of Shipping and the Company shall abide by any direction he may issue regarding ensuring the safety of navigation in the area	No Drilling activities have been carried out During this period.
18.	The international 'Good Practices' adopted by the petroleum Industry viz International norms to safeguard the coastal and marine biodiversity shall be implemented by the company.	Being complied. All the rigs/vessels have robust HSE Management System. Equipment and facilities are designed as per international standards such as API,MARPOL etc
19.	The design, material of construction, assembly, inspection, testing and safety aspects of operation and maintenance of pipeline and transporting the natural gas/oil shall be governed by ASME/ANSI B 31.8/B 31.4 and OISD standard 141	Complied during design by adhering to all relevant guidelines from OISD and standards likes API/ASME/OISD etc.
20.	The project proponent shall also comply with the environmental protection measures and safeguards recommended in the EIA/ EMP/ RA/ NIO report	Being complied on regular basis


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S. No.	Description	Compliance Status
21.	Full drawings and details of Blow Out Preventer to encounter well kick due to high formation presence, if encountered, shall be submitted to the Ministry's Regional Office within 3 months of the issue of environment clearance	Drawing attached with the First Compliance report for the period ending with Sept'18
22.	On completion of activities, the well shall be either plugged and suspended (if the well evaluation indicates commercial quantities of hydrocarbon) or killed and permanently abandoned with mechanical plugs and well cap. If well is suspended, it shall be filled with a brine solution containing small quantities of inhibitors to protect the well. The position at the end of the activities shall be communicated in detail to the Ministry indicating the steps taken i.e. whether all the wells are plugged or abandoned and necessary precautions taken.	Being Complied
23.	A brief report on environmental status & safety related information generated and measures taken as well as frequency of such reporting to the higher authority shall be submitted to this Ministry and its respective Regional Office at Bangalore	Being Complied
24.	Petroleum and Natural Gas (Safety in Offshore Operations) Rules 2008 of OISD shall be strictly adhered to	PNG Rules is being adhered to
25.	Recommendations mentioned in the Risk Assessment & Consequence Analysis and Disaster Management Plan shall be followed	Being complied
26.	Adequate funds both recurring and non-recurring shall be earmarked to implement the conditions stipulated by the MoEF as well as State Government along with the implementation schedule for all the conditions stipulated herein. The funds do provided shall not be diverted for any other purposes	Adequate funds earmarked for the purpose and implementation is on progressive basis.
27.	Concrete plan of action for Enterprise Social Responsibility consisting 2.5% of project cost shall be prepared in consultation with District Authority and the local people and a mechanism for it monitoring should be worked out. Action plan shall be submitted to MoEF's RO Office for monitoring	Being complied on progressive basis in consultation with District Authority


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Specific conditions in respect of CRZ


S. No.	Description	Compliance Status
1.	All the recommendations and conditions specified by AP Coastal Zone Management Authority (APCZMA) vide letter no. 1742/Env/CZMA/2015 dated 21.05.2015 shall be complied with.	Being complied

General Conditions

S. No.	Description	Compliance Status
1.	The project authorities must strictly adhere to the stipulations made by the Andhra Pradesh Pollution Control Board (APPCB), State Government and any other statutory authority	APPCB stipulations being adhered.
2.	No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF. In case of deviations or alterations in the project proposal from those submitted to this Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any	Expansion, if any ,Shall be taken up only with prior approval of MOEFCC
3.	The National Ambient Air Quality Emission Standards issued by the ministry vide G.S.R. No. 826 (E) dated 16 th November, 2009 shall be followed	National Ambient Air quality standards shall be followed
4.	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated	Shall be Complied
5.	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	Noise study has been conducted and Shall be

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	of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules viz. 75 dBA (day time) and 70 dBA (night time)	adhered to during construction and operation
6.	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water	Shall be complied
7.	Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre – employment and routine periodical medical examinations for all employees shall be undertaken on regular basis	Being complied
8.	The company shall comply with all the environmental protection measures and safeguards proposed in in the documents submitted to the ministry and as made in EIA/EMP	Being complied
9.	The company shall undertake all relevant measures for improving the socio – economic conditions of the surrounding areas by involving local villages and administration	Being complied on regular basis.
10.	The company shall undertake eco – developmental measures including community welfare measures	Being complied
11.	A separate Environment Management Cell equipped with full-fledged laboratory facilities to carry out Environment Management and Monitoring functions	Complied
12.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the MOEF as well as state government along with the implementation schedule for all the conditions stipulated herein . The funds so earmarked for environmental management/ pollution control measures shall not be diverted for any other purpose.	Funds have been earmarked for the purpose and implementation is on regular basis.
13.	A copy of clearance letter shall be sent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal	Copies of letter sent attached with the first Compliance report for the period ending with Sept'18.
14.	Submission of 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, respective Zonal Office of CPCB and APPCB. A Copy of Environmental Clearance and six monthly compliance status report shall be posted on the company website	Being complied


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15.	Environmental Statement for each financial year ending 31st March in Form – V as is mandated shall be submitted to the APPCB and to Regional Office of MoEF (by Email) and also be put on the company website	Being Complied
16.	Public should be informed that the project has been accorded environmental clearance by the ministry and the copies of the clearance letter are available with the APPCB and may also be seen at website of MoEF (www.moef.nic.in) by advertising within seven days from the issue of the clearance letter in at least two local newspapers out of which one should be in vernacular language of locality concerned and copy of same to be forwarded to the concerned regional office of the ministry	Complied. Copy attached with the first Compliance report for the period ending with Sept'18.
17.	Regional Office and Ministry are to be informed about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project	Shall be complied

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