



मंगलूर रिफाइनरी एण्ड पेट्रोकेमिकल्स लिमिटेड
MANGALORE REFINERY AND PETROCHEMICALS LIMITED

अनुसूची 'अ' के अंतर्गत भारत सरकार का उद्यम, SCHEDULE 'A' GOVT. OF INDIA ENTERPRISE.
(ऑयल एण्ड नेचुरल गैस कॉर्पोरेशन लिमिटेड की सहायक कंपनी, A SUBSIDIARY OF OIL AND NATURAL GAS CORPORATION LIMITED)
आई.एस.ओ. 9001, 14001 एवं 50001 प्रमाणित कंपनी, AN ISO 9001, 14001 AND 50001 CERTIFIED COMPANY.
सीआईएन/CIN : L23209KA1988GOI008959 / वेबसाइट Website : www.mrpl.co.in

L/MS/MoEF&CC/7523
30th May, 2024

The Director
Ministry of Environment, Forest & Climate Change,
4th Floor, E&F Wing, Kendriya Sadan,
Koramangala, Bengaluru – 560 034

Dear Sir,

विषय Subject:- Submission of Half Yearly Compliance to the Environmental Clearance along with monitoring data

Please find enclosed herewith point wise compliance to the following Environmental Clearance issued to MRPL by Ministry of Environment, Forest & Climate Change (MoEF & CC), New Delhi.

1. File No. SEIAA 38 IND 2019, EC identification No. 23B022KA178546 received on 21st January, 2023 (2G Ethanol Davangere Project)

धन्यवाद Thanking You,

भवदीय Yours sincerely,

मंगलूर रिफाइनरी एंड पेट्रोकेमिकल्स लिमिटेड
For Mangalore Refinery & Petrochemicals Limited,

सुदर्शन

एम.एस सुदर्शन M.S Sudarsan
मुख्य महा प्रबंधक (स्वास्थ्य, संरक्षा एवं पर्यावरण)
Chief General Manager (Health, Safety and Environment)



परिवेश
PARIVESH
(CPC GREEN)

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय

Ministry of Environment, Forest and Climate Change



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अमृत महोत्सव



सत्यमेव जयते

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View Compliance Report at Project Proponent

Proposal Details

Proposal No

SIA/KA/IND2/44027/2017

Category

Industrial Projects - 2

Name of Project

60 KLPD Second Generation (2G) Ethanol Project by Mangalore Refinery and Petrochemicals Limited at Hanagawadi Village, Harihar Taluk, Davangere District, Karnataka

Plot / Survey/ Khasra No.**Village(s)****Sub-District(s)****State**

KARNATAKA

District

DAVANGERE

MoEF File No

SEIAA 38 IND 2019

**Name of the Entity/
Corporate Office**

MANGALORE REFINERY AND PETROCHEMICALS LTD

Entity's PAN

NA

Entity Name as per PAN

NA

Entity details mentioned above is correct ?

Agree

Project KML

View on DSS

Covering Letter

Covering Letter

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Compliance Reporting Details

Reporting Year

2023

Reporting Period

01 Jun(01 Oct - 31 Mar)

Remark(if any)

Date of Issue EC - 21/01/2023 EC Identification No. - EC23B022KA178546 File No. - SEIAA 38 IND 2019 MoEF&CC and proposal No. SIA/KA/IND2/44027/2017 This compliance reporting is for period 1st Oct 23 to 31st Mar 24

Details of Production and Project Area

Date of Commencement of Project/Activity

22-01-2023

	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	47.65	47.65
Total	47.65	47.65

Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
1	Ethanol	Kilo liters per Day (KLD)	60			null	0
2	Carbondioxide	Tons per Day (TPD)	45.83			null	0
3	Fusel oil	Tons per Day (TPD)	0.18			null	0
4	Technical alcohol	Tons per Day (TPD)	1.27			null	0

5	Lignin	Tons per Day (TPD)	79			null	0
6	Concentration syrup	Tons per Day (TPD)	58.41			null	0
7	Biogas from ETP	Others:m3/day	1800			null	0

Conditions

Specific Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks / Reason and Supporting Documents	
1	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall install 24*7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories	PPs Submission	Agree to comply Agreed to Comply Attachment:NA
2	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous)	PPs Submission	Agree to comply Agreed to Comply Attachment:NA
3	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results	PPs Submission	Agree to comply Agreed to

		of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six monthly monitoring report.		Comply Attachment:NA
4	AIR QUALITY MONITORING AND PRESERVATION	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
5	AIR QUALITY MONITORING AND PRESERVATION	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.	PPs Submission	Agree to comply Agreed to Comply Attachment:NA
6	AIR QUALITY MONITORING AND PRESERVATION	Sulphur content should not exceed 0.5% in the fuel used in oil fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	PPs Submission	Agree to comply Agreed to Comply Attachment:NA
7	AIR QUALITY MONITORING AND PRESERVATION	The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.	PPs Submission	Agree to comply Agreed to Comply Attachment:NA
8	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	Agree to comply Agreed to Comply Attachment:NA
9	WATER QUALITY MONITORING AND PRESERVATION	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 (applicable in case of	PPs Submission	Agree to comply Agreed to Comply Attachment:NA

		the projects achieving ZLD) and connected to SPCB and CPCB online servers.		
10	WATER QUALITY MONITORING AND PRESERVATION	Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD)	PPs Submission	Agree to comply Agreed to Comply Attachment:NA
11	WATER QUALITY MONITORING AND PRESERVATION	Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.	PPs Submission	Agree to comply Agreed to Comply Attachment:NA
12	WATER QUALITY MONITORING AND PRESERVATION	The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.	PPs Submission	Agree to comply Agreed to Comply Attachment:NA
13	WATER QUALITY MONITORING AND PRESERVATION	Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.	PPs Submission	Agree to comply Agreed to Comply Attachment:NA
14	WATER QUALITY MONITORING AND PRESERVATION	Industrial/trade effluent shall be treated in Effluent Treatment plant multi effect evaporators, process condensate treatment plant consists of combination of anaerobic and aerobic treatment followed by RO plant	PPs Submission	Agree to comply Agreed to Comply Attachment:NA
15	WATER QUALITY MONITORING AND PRESERVATION	The Company shall harvest rainwater from the rooftops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.	PPs Submission	Agree to comply Agreed to Comply Attachment:NA
16	Noise Monitoring & Prevention	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	PPs Submission	Agree to comply Agreed to

				Comply Attachment:NA
17	Noise Monitoring & Prevention	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.	PPs Submission	Agree to comply Agreed to Comply Attachment:NA
18	Noise Monitoring & Prevention	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time	PPs Submission	Agree to comply Agreed to Comply Attachment:NA
19	ENERGY PRESERVATION MEASURES	The energy sources for lighting purposes shall preferably be LED based.	PPs Submission	Agree to comply Agreed to Comply Attachment:NA
20	WASTE MANAGEMENT	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc, Flame arresters shall be provided on tank farm and the solvent transfer through pumps.	PPs Submission	Agree to comply Agreed to Comply Attachment:NA
21	WASTE MANAGEMENT	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
22	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	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA

		equipment clearing to reduce wastewater generation		
23	GREENBELT	The green belt of 5- 10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
24	Human Health Environment	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
25	Human Health Environment	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
26	Human Health Environment	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
27	Human Health Environment	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
28	Human Health Environment	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA

		structures to be removed after the completion of the project.		
29	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
30	Human Health Environment	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
31	Corporate Environmental Responsibility	The Project Proponent shall comply with provision contained in OM vide F.No. 22-65/2017-IA.III dated 1-5-2018 and OM vide F.No.22-65/2017-IA.III dated 20-10-2020, of the Ministry of Environment, Forest and Climate Change as applicable, regarding Corporate Environment Responsibility and shall execute the action plan of Infrastructure creation for drinking water supply and sanitation, education. Skill Development, roads, cross drains, electrification including solar power, Solid waste management facilities, scientific support and awareness to local farmers to increase yield of crop and fodder, rain water harvesting, soil moisture conservation works, Avenue plantation, plantation in community areas, as submitted vide letter received on 28.09.2022.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
32	Corporate Environmental Responsibility	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms /conditions. The	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA

		company shall have defined system of reporting infringements /deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders.		
33	Corporate Environmental Responsibility	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
34	Corporate Environmental Responsibility	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
35	MISCELLANEOUS	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
36	MISCELLANEOUS	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA

		has to display the same for 30 days from the date of receipt.		
37	MISCELLANEOUS	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
38	MISCELLANEOUS	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
39	MISCELLANEOUS	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
40	MISCELLANEOUS	"The HYCRs with its contents of a covering letter, compliance reports, and environmental monitoring data has to be in PDF format merged into a single document. The email should clearly mention the name of project, EC No & date, period of submission and to be sent to the Regional Office of MOEF&CC by email only at email ID ros.z.bng-mefcc@gov.in Hard copy of HYCRs shall not be acceptable".	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
41	MISCELLANEOUS	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA

42	MISCELLANEOUS	The project proponent 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, commencing the land development work and start of production operation by the project.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
43	MISCELLANEOUS	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
44	MISCELLANEOUS	The project proponent shall abide by all the commitments and recommendations made in the EIA,/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
45	MISCELLANEOUS	No further expansion or modifications in the plant shall be carried out without prior approval of this Authority or the Ministry of Environment, Forests and Climate Change (MoEF&CC).	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
46	MISCELLANEOUS	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	PPs Submission	Agree to comply. Agreed to Comply Attachment:NA
47	MISCELLANEOUS	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	PPs Submission	Noted. Agreed to Comply Attachment:NA
48	MISCELLANEOUS	The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	PPs Submission	Noted. Agreed to Comply Attachment:NA

49	MISCELLANEOUS	The Regional Office of MoEF&CC shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	PPs Submission	Noted. Agreed to Comply Attachment:NA
50	MISCELLANEOUS	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	PPs Submission	Noted. Agreed to Comply Attachment:NA
51	MISCELLANEOUS	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act,2010	PPs Submission	Noted. Agreed to Comply Attachment:NA
52	Corporate Environmental Responsibility	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	PPs Submission	Noted. Agreed to Comply Attachment:NA

General Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks / Reason and Supporting Documents	
1	Statutory compliance	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the	PPs Submission	Not Applicable Complied Attachment:NA

		diversion of forest land for non-forest purpose involved in the project.		
2	Statutory compliance	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	PPs Submission	Not Applicable Complied Attachment:NA
3	Statutory compliance	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (Incase of the presence of schedule-I species in the study area)	PPs Submission	Noted and agree to comply. Agreed to Comply Attachment:NA
4	Statutory compliance	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the	PPs Submission	Noted and agree to comply. Agreed to Comply Attachment:NA

		concerned State pollution Control Board/Committee.		
5	Statutory compliance	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	PPs Submission	Noted and agree to comply. Agreed to Comply Attachment:NA
6	Statutory compliance	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989	PPs Submission	Noted and agree to comply. Agreed to Comply Attachment:NA

Document uploaded by the PP

Last Site Visit Report (if available)

NA

Last Site Visit Report Date (if available)

Additional Attachment (if any)

NA

Additional Remarks (if any)

- I '[MANGALORE REFINERY AND PETROCHEMICALS LTD](#)' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.

Cover Letter From RO/SRO

Cover Letter From RO/SRO

NA

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