

EC Conditions Six Monthly Compliance Report

(by Project Proponent)



Proposal No : J - 21-383/2007-IA- III

1. Name of the Entity / Corporate Office :

File No. :	J - 21-383/2007-IA- III	Proposal Name :	Setting up of Phase-I of Special Economic Zone at Mangalore, MRPL Phas-III
Date Of EC. :	03 Apr 2008	EC Letter :	
Name of the Entity / Corporate Office :	MANGALORE REFINERY AND PETROCHEMICALS LTD	Email Address :	mrplmlr@mrpl.co.in
Address :	KUTHETHOOR P.O, VIA KATIPALLA,	Mobile No :	9449640089

2. Proponent Details :

Proponent Name :	SUDARSAN	Designation :	Chief General Manager (HSE)
Telephone No :	824-2882041	Mobile No :	+91 9449640089
Fax No :	824-08242270013	Email Address :	sudarshanms@mrpl.co.in
Website :	mrpl.co.in	Pin Code :	575030
State :	Karnataka	District :	Dakshina Kannada
Village/Town :			

3. Compliance Letter/Report (Proponent):

Compliance Period :	2022 / 01 Dec (01 April - 30 Sep)	Compliance Submission Date :	19 Jan 2023 15:31:31:467
Remarks :			
Site Visit Report :		Site Visit Date :	18 Sep 2022
ATR Report :	N/A	ATR Date :	N/A
Additional Attachment (If Any) :		Additional Remarks (If Any) :	

4. Summary Status of Compliance :

Total Condition :	100		
Complied :	97	Being Complied :	3
Not Complied :	0	Partially Complied :	0
Agreed to Comply :	0		

5. Details of Production and Project Area :

Date of Commencement of Project/Activity :		04 Apr 2008	Project Area as Per EC Granted (In Case of Mine Lease):		1592
Actual Project Area(In Case of Mine Lease):		1592			
PRODUCTION CAPACITY :					
S.No	Name of the Product	Units	As per EC granted	Production during last financial year	
1	LPG	Tons per Annum (TPA)	7,97,000	1,049,108	
2	MOTOR SPIRIT	Tons per Annum (TPA)	1,407,000	1,727,508	
3	MIXED XYLENE	Tons per Annum (TPA)	350,000	118,524	
4	NAPHTHA	Tons per Annum (TPA)	1,281,000	1,081,810	
5	SKO + ATF	Tons per Annum (TPA)	2,132,000	9,03,167	
6	HSD	Tons per Annum (TPA)	6,434,000	6,396,317	
7	Fuel Oil (FO+LSFO+MFO)	Tons per Annum (TPA)	2,161,000	4,08,297	
8	BITUMEN	Tons per Annum (TPA)	489,000	131,112	
9	SULPHUR	Tons per Annum (TPA)	195,000	195,483	
10	PET COKE	Tons per Annum (TPA)	674,000	835,049	
11	VACCUM GAS OIL (VGO)	Tons per Annum (TPA)	86,000	0	
12	POLY PROPYLENE	Tons per Annum (TPA)	380,000	460,236	
13	LPG	Tons per Annum (TPA)	797,000	1,049,108	
14	MOTOR SPIRIT	Tons per Annum (TPA)	1,407,000	1,727,508	
15	MIXED XYLENE	Tons per Annum (TPA)	350,000	118,524	
16	NAPHTHA	Tons per Annum (TPA)	1,281,000	1,081,810	
17	SKO + ATF	Tons per Annum (TPA)	2,132,000	903,167	
18	HSD	Tons per Annum (TPA)	6,434,000	6,396,317	
19	Fuel Oil (FO+LSFO+MFO)	Tons per Annum (TPA)	2,161,000	408,297	
20	BITUMEN	Tons per Annum (TPA)	489,000	131,112	
21	SULPHUR	Tons per Annum (TPA)	195,000	195,483	
22	PET COKE	Tons per Annum (TPA)	674,000	835,049	
23	VACCUM GAS OIL (VGO)	Tons per Annum (TPA)	86,000	0	
24	POLY PROPYLENE	Tons per Annum (TPA)	380,000	460,236	

6. Specific Conditions (Proponent) :

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	A(i).No objection Certificate from the Karnataka State Pollution Control Board shall be obtained before initiating the project.	Complied	Consent for Establishment (CFE) for the MRPL Phase-III Project has obtained from KSPCB ref. No.PCB / 426 / CFE / 08 / 247 dated 08-08-2008.	N/A	
2	A(xi).The emission levels of the other pollutants shall also remain within the permissible levels.	Complied	Emission levels of the pollutants maintained within the permissible levels.	N/A	

3	A(xvii).Low Sulphur internal fuel oil and fuel gas shall be fired in process heaters and boilers.	Complied	Low Sulphur internal fuel oil and fuel gas is being fired in process heaters and boilers.	N/A	
4	A(vi).The project proponent shall obtain a report from the Wildlife Department with regard to existence of wildlife in the proposed site as claimed by the public before implementing the project.	Complied	This point pertains to M/s. MSEZL for compliance. Report from the Forest Dept. is obtained & submitted to Ministry by MSEZL.	N/A	
5	A(i).No objection Certificate from the Karnataka State Pollution Control Board shall be obtained before initiating the project.	Complied	Consent for Establishment (CFE) for the MRPL Phase-III Project has obtained from KSPCB ref. No.PCB / 426 / CFE / 08 / 247 dated 08-08-2008.	N/A	
6	A(ii).The MSEZ project shall be restricted to the Phase-I of the project, proposed over 1,800 acres. The phase II of the project shall be considered by Ministry of Environment and Forests only after receipt of all requisite documents/information as laid down in the Environmental Impact Assessment Notification, 2006 and Coastal Regulation Zone Notification, 1991 as applicable.	Complied	This point pertains to M/s MSEZL for compliance.	N/A	
7	A(iii).All Development in the Coastal Regulation Zone area shall be in accordance with the Coastal Regulation Zone Notification, 1991. No destruction of mangroves shall be undertaken except while undertaking the permissible activities in the Coastal Regulation Zone-1 areas.	Complied	Noted and followed as applicable.	N/A	
8	A(iv).The project proponent shall not take up any activity in 875 acres of Coastal Regulation Zone land, other than those permissible under the Coastal Regulation Zone Notification 1991 such as pipeline corridors, pipelines roads on stilts.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
9	A(vii).The R&R package shall be strictly in accordance with the laid down norms of the State Government.	Complied	This point pertains to M/s. MSEZL for compliance. Further, MRPL abide by the directions of State Govt. regarding the	N/A	

			implementation of the R&R package to the extent applicable.		
10	A(i).No objection Certificate from the Karnataka State Pollution Control Board shall be obtained before initiating the project.	Complied	Consent for Establishment (CFE) for the MRPL Phase-III Project has obtained from KSPCB ref. No.PCB / 426 / CFE / 08 / 247 dated 08-08-2008.	N/A	
11	A(x).The gaseous emissions (SO ₂ , NO _x , HC, VOC and Benzene) from various process units shall conform to the standards prescribed by the concerned State Pollution Control Board. All the measures detailed in the EMP and response to the Public Hearing shall be taken to control the point/stack and fugitive gaseous emissions from the proposed facilities, processes and storage units etc., for ensuring that the ambient air quality around the Refinery due to the expansion is maintained at the predicted 2	Complied	Ambient air quality around the Refinery due to expansion is maintained at the predicted 24 Hourly average maximum concentration.		
12	A(viii).A marine Environment Impact Assessment and Risk Assessment along with the Disaster Management Plan shall be prepared for the outfall facilities proposed in the Coastal Regulations Zone and the marine areas.	Complied	This point pertains to M/s. MSEZL for compliance.	N/A	
13	A(v).With regard to the containing the suspected contamination of the groundwater near Atturkodi area of Kuthethoor village, MRPL have given an undertaking vide their letter dated 19.3.2008 which is as follows:- (a) "Implementation of recommendation of NGPRI will be started immediately after submission of their report. (b) Depending upon the nature of their recommendations, we will make efforts to complete necessary actions within 6 months from the date of receipt of their report. (c) In ad	Complied	Copy of the final report from M/s. NGRI submitted to MoEF and KSPCB on 16/7/2009 and 2/7/2009 respectively. Daily vigil was maintained. We are also in continuous contact with the local residents.	N/A	
14	A(XXXIII).The company will undertake all relevant measures, as indicated during the Public Hearing for improving the Socio-economic conditions of the surrounding area.	Complied	This point pertains to M/s. MSEZL for compliance.	N/A	

15	A(ix).Project proponent shall put up a dedicated website and a display panel to inform the public regarding the Ambient Air Quality along with SO ₂ , NO _x and other parameters as prescribed by Central Pollution Control Board (CPCB).	Complied	Digital Display Board at MRPL Cargo gate and web site display Stack quality parameter, SO ₂ , NO _x , PM ₁₀ , PM _{2.5} , Ambient Air quality monitoring parameter, treated effluent quality monitoring parameter .	N/A	
16	A(xxxii).The company shall implement all the recommendations made in the Environmental Impact Assessment/EMP report and risk assessment report.	Complied	All the recommendation mentioned in EIA/ EMP is complied.	N/A	
17	A(xxvii).Solid waste generated as Pretreater and Reformer Catalysts, Sulphur guard absorbent and Alumina Balls shall be disposed off as per the authorization from the State Pollution Control Board.	Complied	The Spent catalysts disposed off to the CPCB/KSPCB Authorized Recyclers/Reproce processor/TSDF as per the authorization of the Board.	N/A	
18	A(xvi).All precautions of the highest standards shall be incorporated in the design of the project to ensure that there is no chance of emission/leakage of hazardous chemicals including Benzene. Detailed monitoring program shall be designed and the information provided to the public through display and dedicated website by means of online monitoring.	Complied	The MRPL Phase-III project processing facilities is designed conforming to the standards as applicable to a refinery project (Such as OISD guidelines, API standards etc).	N/A	
19	A(xxxiv).With regard to R&R colony the project proponent shall obtain all requisite clearance as prescribed by the concerned agencies.	Complied	This point pertains to M/s. MSEZL for compliance.	N/A	
20	A(xii).The industrial units in the SEZ and the associated facilities shall be strictly in accordance with the norms laid down by the Karnataka State Government and CPCB.	Complied	MRPL is committed to the full compliance to the norms laid down by KSPCB and CPCB.	N/A	
21	A(xiii).The project proponent shall ensure that the greenery of the area is maintained. Further, 33% of the project area shall be dedicated for green belt development of which at least 5% shall be for mangrove afforestation. The local Forest Department shall be associated for this purpose and requisite budget earmarked.	Being Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	

22	A(xxiv).The company shall ensure that no halogenated organic is sent to the flares. If any of the halogenated organic are present, then the respective streams may be incinerated, if there are no technically feasible or economically viable reduction/recovery options. Any stream containing organic carbon, other than halogenated shall be connected to proper flaring system, if not to a recovery device or an incinerator.	Complied	There is no generation of halogenated organic compound from the Phase-III facilities. For other streams containing organic carbon suitable flaring system has been designed.	N/A	
23	A(xiv).The project proponent shall ensure that the water requirement of the Mangalore city does not get affected due to the SEZ operation. Adequate provision shall be made in the reservoirs to provide for the water requirement of the cities.	Complied	This point pertains to M/S MSEZL for compliance.	N/A	
24	A(xxxi).Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Complied	Occupational Health surveillance of the workers was done by the respective contractors during the project execution time and records were maintained.	N/A	
25	A(xx).On-line data for air emissions shall be transferred to the CPCB and SPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated regularly. The monitoring protocol shall ensure continuous monitoring of all the parameters.	Complied	Online Continuous Monitoring stations installed for monitoring of air emissions and connected to online KSPCB and CPCB portal as per CPCB guidelines.	N/A	
26	A(xv).The project proponent shall ensure that during construction and operation of the project the traffic in the city is not affected.	Complied	MRPL has developed an exclusive road for moving large consignments from the NMPT port to Phase-III project site. This drastically reduced the movement of consignments in other roads.	N/A	
27	A(xix).Regular Ambient Air Quality Monitoring shall be carried out. The location and results of existing monitoring stations shall be reviewed in consultation with the concerned State Pollution Control Board based on the occurrence of maximum ground level concentration	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii		

	and downwind direction of wind. Additional Stations shall be set up, if required. It shall be ensured that at least one monitoring station is set up in up-wind & down-wind direction along with those in other directions.				
28	A(xxv).The new standards/norms that are being proposed by the CPCB for Petrochemical Plants and Refineries shall be applicable for the proposed expansion unit. The company shall conform to the process vent standards for organic chemicals including non-VOCs and all possible VOCs i.e., TOCs standards and process vent standards for top priority chemicals. Regular monitoring will be carried out for VOC and HC and On-line monitors for VOC measurements may be installed.	Complied	HC leakage detectors have been provided in various locations of the processing facilities and the LDAR programme implemented in Phase III units.	N/A	
29	A(xxviii).Oily sludge shall be sent to melting pit treatment for recovery of oil. The recovered oil shall be recycled into the refinery system. The residual sludge will be stored in HDPE lined pit for disposal after treatment. The sludge shall be incinerated in the premises only.	Complied	MRPL has designed a system for reprocessing of oily sludge and the crude oil tank sludge in the Delayed Coking Unit (DCU). Further, Oily sludge is being disposed to Cement Industries for co-processing	N/A	
30	A(xxiii).The product loading gantry shall be connected to the product sphere is closed circuit through the vapour arm connected to the tanker. Data on fugitive emissions shall be regularly monitored and records shall be maintained.	Complied	No product loading gantry envisaged as a part of the Phase-III project facilities.	N/A	
31	A(xxix).The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).	Complied	All the recommendation mentioned in CREP is complied.	N/A	
32	A(xviii).Quarterly monitoring of fugitive emissions shall be carried out by Fugitive Emission Detectors (GMI Leak Surveyor). Guidelines of CPCB will be followed for monitoring fugitive emissions. For control of fugitive emissions, all unsaturated hydrocarbons shall be routed to the flare system. The flare system shall be designed for smokeless burning. Flare Gas Recovery System shall be	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii		

	installed for reduction of Hydrocarbon loss and emission of VOCs, NOx, N2O, SOx & CO2 to the environment.				
33	A(xxii).All the pumps and other equipment's, where there is a likelihood of HC leakages, shall be provided with appropriate indicators and detectors. Provision for immediate isolation of such equipment, in case of a leakage shall also be made. The company shall adopt Leak Detection and Repair (LDAR) programme for quantification and control of fugitive emissions.	Complied	HC leakage detectors have been provided in various locations of the processing facilities and the LDAR programme implemented for Phase III units.	N/A	
34	A(xxi).The practice of acoustic plant design shall be adopted to limit noise exposure for personnel to an 8 hr time weighted average of 90 db (A).	Complied	All the noise source equipments (Static and rotary) are designed to meet the laid down stipulations and standards.	N/A	
35	A(xxvi).Regular monitoring of relevant parameters for the under ground water in the surrounding areas shall be undertaken and the results shall be submitted to the relevant States Pollution Control Board.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii		
36	A(xxx).The company shall harvest surface as well as rainwater from the rooftops of the buildings proposed in the expansion project and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	Complied	Noted In order to conserve fresh water consumption, tertiary treated sewage water from Mangalore city is being used in the cooling towers .	N/A	
37	A(i).No objection Certificate from the Karnataka State Pollution Control Board shall be obtained before initiating the project.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
38	A(xiii).The project proponent shall ensure that the greenery of the area is maintained. Further, 33% of the project area shall be dedicated for green belt development of which at least 5% shall be for mangrove afforestation. The local Forest Department shall be associated for this purpose and requisite budget earmarked.	Being Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
39	A(xi).The emission levels of the other pollutants shall also remain within the permissible levels.	Complied	Details are attached here as Half yearly compliance	N/A	

			report - MRPL Phase-iii		
40	A(xvii).Low Sulphur internal fuel oil and fuel gas shall be fired in process heaters and boilers.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
41	A(iv).The project proponent shall not take up any activity in 875 acres of Coastal Regulation Zone land, other than those permissible under the Coastal Regulation Zone Notification 1991 such as pipeline corridors, pipelines roads on stilts.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
42	A(ii).The MSEZ project shall be restricted to the Phase-I of the project, proposed over 1,800 acres. The phase II of the project shall be considered by Ministry of Environment and Forests only after receipt of all requisite documents/information as laid down in the Environmental Impact Assessment Notification, 2006 and Coastal Regulation Zone Notification, 1991 as applicable.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
43	A(vii).The R&R package shall be strictly in accordance with the laid down norms of the State Government.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
44	A(x).The gaseous emissions (SO ₂ , NO _x , HC, VOC and Benzene) from various process units shall conform to the standards prescribed by the concerned State Pollution Control Board. All the measures detailed in the EMP and response to the Public Hearing shall be taken to control the point/stack and fugitive gaseous emissions from the proposed facilities, processes and storage units etc., for ensuring that the ambient air quality around the Refinery due to the expansion is maintained at the predicted 2	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
45	A(iii).All Development in the Coastal Regulation Zone area shall be in accordance with the Coastal Regulation Zone Notification, 1991. No destruction of mangroves shall be undertaken except while undertaking the permissible activities in the Coastal Regulation Zone-1 areas.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
46	A(v).With regard to the containing the suspected	Complied	Details are attached here as	N/A	

	contamination of the groundwater near Atturkodi area of Kuthethoor village, MRPL have given an undertaking vide their letter dated 19.3.2008 which is as follows:- (a) "Implementation of recommendation of NGPRI will be started immediately after submission of their report. (b) Depending upon the nature of their recommendations, we will make efforts to complete necessary actions within 6 months from the date of receipt of their report. (c) In ad		Half yearly compliance report - MRPL Phase-iii		
47	A(vi).The project proponent shall obtain a report from the Wildlife Department with regard to existence of wildlife in the proposed site as claimed by the public before implementing the project.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
48	A(ix).Project proponent shall put up a dedicated website and a display panel to inform the public regarding the Ambient Air Quality along with SO ₂ , NO _x and other parameters as prescribed by Central Pollution Control Board (CPCB).	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
49	A(viii).A marine Environment Impact Assessment and Risk Assessment along with the Disaster Management Plan shall be prepared for the outfall facilities proposed in the Coastal Regulations Zone and the marine areas.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
50	A(xii).The industrial units in the SEZ and the associated facilities shall be strictly in accordance with the norms laid down by the Karnataka State Government and CPCB.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
51	A(xxiii).The product loading gantry shall be connected to the product sphere is closed circuit through the vapour arm connected to the tanker. Data on fugitive emissions shall be regularly monitored and records shall be maintained.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
52	A(xxii).All the pumps and other equipment's, where there is a likelihood of HC leakages, shall be provided with appropriate indicators and detectors. Provision for immediate isolation of such equipment, in case of a leakage shall also be made. The company shall adopt Leak Detection and Repair (LDAR) programme for	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	

	quantification and control of fugitive emissions.				
53	A(xxix).The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
54	A(xv).The project proponent shall ensure that during construction and operation of the project the traffic in the city is not affected.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
55	A(xxv).The new standards/norms that are being proposed by the CPCB for Petrochemical Plants and Refineries shall be applicable for the proposed expansion unit. The company shall conform to the process vent standards for organic chemicals including non-VOCs and all possible VOCs i.e., TOCs standards and process vent standards for top priority chemicals. Regular monitoring will be carried out for VOC and HC and On-line monitors for VOC measurements may be installed.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
56	A(xxvi).Regular monitoring of relevant parameters for the under ground water in the surrounding areas shall be undertaken and the results shall be submitted to the relevant States Pollution Control Board.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii		
57	A(xix).Regular Ambient Air Quality Monitoring shall be carried out. The location and results of existing monitoring stations shall be reviewed in consultation with the concerned State Pollution Control Board based on the occurrence of maximum ground level concentration and downwind direction of wind. Additional Stations shall be set up, if required. It shall be ensured that at least one monitoring station is set up in up-wind & down-wind direction along with those in other directions.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii		
58	A(xx).On-line data for air emissions shall be transferred to the CPCB and SPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated regularly. The monitoring protocol shall ensure continuous monitoring of all the parameters.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	

59	A(xiv).The project proponent shall ensure that the water requirement of the Mangalore city does not get affected due to the SEZ operation. Adequate provision shall be made in the reservoirs to provide for the water requirement of the cities.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
60	A(xxxiii).The company will undertake all relevant measures, as indicated during the Public Hearing for improving the Socio-economic conditions of the surrounding area.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
61	A(xxxiv).With regard to R&R colony the project proponent shall obtain all requisite clearance as prescribed by the concerned agencies.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
62	A(xvi).All precautions of the highest standards shall be incorporated in the design of the project to ensure that there is no chance of emission/leakage of hazardous chemicals including Benzene. Detailed monitoring program shall be designed and the information provided to the public through display and dedicated website by means of online monitoring.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
63	A(xxiv).The company shall ensure that no halogenated organic is sent to the flares. If any of the halogenated organic are present, then the respective streams may be incinerated, if there are no technically feasible or economically viable reduction/recovery options. Any stream containing organic carbon, other than halogenated shall be connected to proper flaring system, if not to a recovery device or an incinerator.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
64	A(xxviii).Oily sludge shall be sent to melting pit treatment for recovery of oil. The recovered oil shall be recycled into the refinery system. The residual sludge will be stored in HDPE lined pit for disposal after treatment. The sludge shall be incinerated in the premises only.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
65	A(xxvii).Solid waste generated as Pretreater and Reformer Catalysts, Sulphur guard absorbent and Alumina Balls shall be disposed off as per the authorization from the State Pollution Control Board.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	

66	A(xxi).The practice of acoustic plant design shall be adopted to limit noise exposure for personnel to an 8 hr time weighted average of 90 db (A).	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
67	A(xviii).Quarterly monitoring of fugitive emissions shall be carried out by Fugitive Emission Detectors (GMI Leak Surveyor). Guidelines of CPCB will be followed for monitoring fugitive emissions. For control of fugitive emissions, all unsaturated hydrocarbons shall be routed to the flare system. The flare system shall be designed for smokeless burning. Flare Gas Recovery System shall be installed for reduction of Hydrocarbon loss and emission of VOCs, NOx, N2O, SOx & CO2 to the environment.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii		
68	A(xxxii).The company shall implement all the recommendations made in the Environmental Impact Assessment/EMP report and risk assessment report.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
69	A(xxx).The company shall harvest surface as well as rainwater from the rooftops of the buildings proposed in the expansion project and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
70	A(xxxi).Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	

7. General Conditions (Proponent) :

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	B(i).The project authorities shall strictly adhere to the stipulations made by the concerned State Pollution Control Board (SPCB) and the State Government.	Complied	Strictly adhere to KSPCB stipulation.	N/A	
2	B(i).The project authorities shall strictly adhere to the stipulations made by the concerned State Pollution Control Board (SPCB) and the State Government.	Complied	Strictly adhere to KSPCB stipulation.	N/A	
3	B(i).The project authorities shall strictly adhere to the stipulations made by the concerned State Pollution	Complied	Strictly adhere to KSPCB stipulation.	N/A	

	Control Board (SPCB) and the State Government.				
4	B(xiv).A separate environment management cell with full fledge laboratory facilities to carry out various management and monitoring functions shall be set up under the control of a Senior executive.	Complied	A separate environment management cell headed by Chief General Manager (CGM) with full fledge laboratory facilities to carry out various management and monitoring functions under the control of a Seni	N/A	
5	B(xii).The date of Financial Closure and final approval of the project by the concerned authorities and the date of commencing the land development work as the commissioning of the project shall be informed to the Ministry and /its Regional Office.	Complied	Data provided to MoEF.	N/A	
6	B(iii).At no time, the emissions shall be allowed to go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the respective unit should be immediately put out of operation and should not be restarted until the desired efficiency has been achieved.	Complied	Emissions are always maintained below prescribed standard. Emission being monitored continuously through online analyzers provided in all the units	N/A	
7	B(v).Industrial wastewater shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Complied	Proper and suitable designs were put in place for collection of Industrial waste water and an advanced waste water treatment plant was commissioned for its treatment.	N/A	
8	B(xi).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 State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at http://www.envfor.nic.in . 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 w	Complied	The same was carried out and the information regarding this was submitted to MoEF & KSPCB.	N/A	
9	B(xiii).Proper House Keeping and adequate occupational health programmes shall be	Complied	Proper House Keeping and adequate	N/A	

	<p>taken up. Regular Occupational Health Surveillance Programme for the relevant diseases shall be carried out and the records shall be maintained properly for at least 30-40 years. Sufficient preventive measures shall be adopted to avoid direct exposure to emission and other Hydrocarbons etc.</p>		<p>occupational health programmes taken up. An Occupational Health Center is already functioning round the clock inside the Refinery.</p>		
10	<p>B(vii).The project authorities shall strictly comply with provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives must be obtained before commission of the expansion project. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.</p>	Complied	<p>Necessary approvals from Chief Controller of Explosives are obtained before commissioning. On-site and Off-site Disaster Management Plans prepared.</p>	N/A	
11	<p>B(ii).No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.</p>	Complied	<p>No expansion or modifications carried out without prior approval of the Ministry of Environment, Forest and Climate Change.</p>	N/A	
12	<p>B(x).The stipulated conditions shall be monitored by the concerned Regional Office of this Ministry/Central Pollution Control Board. A six monthly compliance report and the monitored data shall be submitted to them regularly. It shall also be displayed on the Website of the Company.</p>	Complied	<p>A six monthly compliance report and the monitored data is being submitted to MoEF/CPCB/KSPCB regional office.</p>		
13	<p>B(viii).Authorization from the State Pollution Control Board must be obtained for collections/treatment/storage of hazardous wastes.</p>	Being Complied	<p>Hazardous Waste Authorization renewal in process and KSPCB inspection completed and awaiting authorization from KSPCB.</p>	N/A	
14	<p>B(iv).Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the SPCB. Regular monitoring shall be carried out for relevant parameters for both surface and ground water.</p>	Complied	<p>Regular monitoring is carried out in and around the refinery for both surface and ground water along with KSPCB.</p>		
15	<p>B(vi).The overall noise levels in an around the plant area shall be limited within the prescribed standards (85 dBA) by providing noise</p>	Complied	<p>Details are attached here as Half yearly compliance</p>		

	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 (day time) and 70 dBA (night time).		report - MRPL Phase-iii		
16	B(ix).The project authorities shall provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purposes.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
17	B(x).The stipulated conditions shall be monitored by the concerned Regional Office of this Ministry/Central Pollution Control Board. A six monthly compliance report and the monitored data shall be submitted to them regularly. It shall also be displayed on the Website of the Company.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
18	B(i).The project authorities shall strictly adhere to the stipulations made by the concerned State Pollution Control Board (SPCB) and the State Government.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
19	B(vii).The project authorities shall strictly comply with provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives must be obtained before commission of the expansion project. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
20	B(vi).The overall noise levels in an around the plant area shall be limited within the prescribed standards (85 dBA) 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 (day time) and 70 dBA (night time).	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii		

21	B(ii).No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
22	B(v).Industrial wastewater shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
23	B(xiii).Proper House Keeping and adequate occupational health programmes shall be taken up. Regular Occupational Health Surveillance Programme for the relevant diseases shall be carried out and the records shall be maintained properly for at least 30-40 years. Sufficient preventive measures shall be adopted to avoid direct exposure to emission and other Hydrocarbons etc.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
24	B(iii).At no time, the emissions shall be allowed to go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the respective unit should be immediately put out of operation and should not be restarted until the desired efficiency has been achieved.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
25	B(xi).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 State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at http://www.envfor.nic.in . 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 w	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
26	B(iv).Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the SPCB. Regular monitoring shall be carried out for relevant parameters for both surface and ground water.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	

27	B(xii).The date of Financial Closure and final approval of the project by the concerned authorities and the date of commencing the land development work as the commissioning of the project shall be informed to the Ministry and /its Regional Office.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
28	B(xiv).A separate environment management cell with full fledge laboratory facilities to carry out various management and monitoring functions shall be set up under the control of a Senior executive.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
29	B(viii).Authorization from the State Pollution Control Board must be obtained for collections/treatment/storage of hazardous wastes.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	
30	B(ix).The project authorities shall provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purposes.	Complied	Details are attached here as Half yearly compliance report - MRPL Phase-iii	N/A	

I ' MANGALORE REFINERY AND PETROCHEMICALS LTD ' hereby give undertaking that the specific / general condition is entered by me is correct.

E-Sign

MANGALORE REFINERY AND PETROCHEMICALS LTD

Date : 19 Jan 2023 15:31:31:467

****Note : N/A - Not Available**

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