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ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ
Karnataka State Pollution Control Board

"ಪರಿಸರಭವನ", 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ.49, ಚರ್ಚ್ ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ
"Parisara Bhavana", 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA
// By RPAD//

NO.KSPCB/HPI/143/CFEx/2011-12/ 823

DATE: -
30 JAN 2012

TO:
The Managing Director,
M/s Mangalore Refinery & Petrochemicals Ltd.,
Post: Kuthethoor Via Katipalla,
Mangalore - 575 030.

Sir,

Sub: Consent for Establishment for setting up of Booster Pumping Station/facilities to facilitate receiving of the Crude Oil from Single Point Mooring at part of survey No. 16,26 and 27 of Tannirbhavi Village .

- Ref:** 1) CFE application submitted at R.O. Mangalore on 09.05.2011
2) Inspection report of Regional Officer, KSPCB, Mangalore, Vide No: 764 dated 24.06.11
3) Environmental Clearance No. 10-49-IA.III dated 01.04.2011
4) Proceedings of CCM held on 23.07.2011
5) Proceedings of the Technical Presentation No. PCB/067/HPI/2011-12/4041 dated 14.10.2011
6) Industry reply No. L/M/S/KSPCB/4493 dated 17.10.2011
7) NMPT letter No. 5/99/OMPL/CE(C)/2010-11/TS dated 25.03.11 & 07.04.11.

M/s. Mangalore Refineries and Petrochemicals Limited (subsidiary of ONGC), Kuthethoor via Katipalla Mangalore-575030 an existing industry engaged in the Processing of 12.5MMTA crude oil. Industry vide ref (1) applied for Consent for Establishment for setting up a Booster Pumping Station/facilities to facilitate receiving of the Crude Oil from Single Point Mooring at part of survey No. 16,26 and 27 of Tannirbhavi Village, Mangalore Taluk and District in an area of 6.75 acres. MOEF has issued EC vide ref (3). The subject was discussed in the consent committee meeting held on 23.07.2011 and committee after detailed deliberations recommended to call the industry for technical presentation to discuss the safety aspects of the project. Accordingly, the technical presentations were held on 13.09.2011 and the proceedings were communicated vide ref (5). Industry submitted its compliance vide ref (6) and requested for the issue of CFE.

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MRPL, CFE 2011-12

"ಪ್ರದೂಷಣೆ ದೂರ ಮಾಡಲು, ಪರಿಸರ ಕಾಯಿ ಕಟ್ಟಿ"

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AVOID USE OF PLASTICS. BE 'ECO' FRIENDLY

Considering the request made by the industry the Board hereby accords consent under Water (Prevention & Control of Pollution) Act 1974, and the Air (Prevention & Control of Pollution) Act 1981, for setting up a Booster Pumping Station/facilities to facilitate receiving of the Crude Oil from Single Point Mooring at part of survey No. 16,26 and 27 of Tannirbhavi Village, Mangalore Taluk, and District and SPM facility to be installed within port limits (12^o 54" N, 74^o 39' E) in water depth 30m and 16km from the shore line, subject to the following conditions.

1. This consent for establishment is valid for a period of **Five years** from the date of issue.
2. The applicant shall not undertake expansion/diversification without the prior consent of the Board.
3. The applicant shall obtain necessary license/clearance from other relevant statutory agencies before taking up construction.
4. Industry shall comply with the proceedings of the TP issued vide ref (5)
5. The industry shall not under take expansion/ diversification/modernization, change of location of site etc., without prior clearance from the board.

I. WATER CONSUMPTION:

1. The source of water shall be from NMPT. Total quantity of water required shall not exceed 700LPD mainly for domestic purpose.

II. WATER POLLUTION CONTROL:

1. The quantity of sewage generated shall not exceed 400LPD.
2. The industry shall treat the domestic wastewater from the factory in septic tank with soak pits. No overflow from the soak pit is allowed. The septic tank and soak pit shall be designed as per IS 2470 Part – I and Part – II.
3. There shall not be generation of any trade effluent from the activity
4. There shall be no bypass or discharge of sewage outside the factory premises.
5. Industry has to provide a separate drainage system for storm water management.

III. WATER CESS:

The industry shall comply with the provisions of Water (Prevention and Control of Pollution) Cess Act, 1977, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said Water (Prevention and Control of Pollution) cess Act, 1997, and 2003.

IV. AIR POLLUTION CONTROL:

1. The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in


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Annexure – I where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under.

2. The type of emissions, rate of emissions, tolerance limits, stack heights and the Air pollution equipments shall be as specified in **Annexure-I**.
3. The industry shall ensure that the ambient air quality in its premises shall conform to the National Ambient Air Quality Standards specified in Environment (Protection) Rules.
4. The industry shall upgrade/modify/replace/change the control equipments/chimney heights if they are found inadequate to meet the standards stipulated. Prior permission of the Board shall be obtained for the same.

V. SPECIFIC CONDITIONS:

The applicant shall comply with T.P. proceeding dated 14.09.2011 and following conditions;

1. The project proponent should prepare Oil Contingency Plan as per the NOS-DCP guidelines and get it approved and wetted by the competent authorities.
2. The project proponent should carryout monitoring of the planktons, benthos, water quality and sediment Quantity etc. through NIO Goa-once in a year.
3. They should educate the fishing community through College of fisheries.
4. The project proponent shall obtain necessary clearance for the proposed SPM from the competent authority before establishing.
5. Industry shall comply with the EC conditions obtained vide ref (5).

VI. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:

1. The industry shall collect, treat and dispose off all solid waste generated from the process other than wastes covered under the Hazardous Waste (Management & Handling) Rules, in such manner so as not to cause environmental pollution.

VII. HAZARDOUS WASTES (MANAGEMENT, HANDLING & TRANS-BOUNDARY MOVEMENT) RULES 2008:

Hazardous waste generated shall be collected stored and disposed in accordance with authorization issued under Hazardous Waste (Management, Handling and Transboundary movement) Rules 2008.

VIII. NOISE POLLUTION CONTROL:

The industry shall ensure that the ambient noise levels within its premises shall not exceed the limits i.e. 75 dB (A) Leq during day time and 70 dB (A) Leq during night time as specified in the Environment (Protection) Rules.



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IX. HEALTH & SAFETY:

The industry shall take all safety measures to avoid any injury to its employees and local people as per the approved Onsite and Offsite Emergency Plan.

X. GENERAL:

1. The industry shall arrange for alternate power supply to run and operate the essential units of effluent treatment plant/control equipments, in event of breakdown of regular supply from Electricity Board. The industry shall provide separate energy meters to the Water and Air pollution control systems wherever appropriate.
2. The industry shall transport and store the raw materials in a manner so as not to cause any damage to environment, life and property. The applicant shall be solely responsible for any damage to environment.
3. The industry shall not change or alter (a) raw materials or manufacturing process. (b) change the products or product mix (c) the quantity, quantity or rate of discharge/emissions and (d) install/replace/alter the water pr air pollution control equipments without the prior approval of the Board.
4. The industry shall immediately report to the Board of any accident or unforeseen act or event resulting in release of discharge of effluents or emissions or solid wastes etc. in excess of the standards stipulated. And the industry shall immediately take appropriate corrective and preventive actions under intimation.
5. The industry is liable to reinstate or restore, damage or destroyed elements of environment at his cost, failing which, the applicant/occupier as the case may be shall be liable to pay the entire cost of remediation or restoration in advance an amount equal to the cost estimated by Competent Agency or Committee.
6. The applicant shall comply with all the Rules and guidelines issued from time to time.
7. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
8. This CFE does not give any right to the Party/Project/Industry to forego any legal requirement that is necessary for setting/operation of the plant.
9. There shall not be any complaint against the industry about water pollution, air pollution and odour nuisance and if any, industry shall take necessary measures to control the nuisance.
10. The industry shall furnish point wise compliance to the conditions given under this consent for establishment within 30 days.

Please note that this is only consent for establishment issued to you to proceed with the formalities for establishment of the industry and does not give any right to proceed with trial/regular production. For this purpose, separate consents of the Board for discharge of liquid effluent and the emissions to the air shall have to be obtained by the remitting prescribed consent fee. The application for consent has to be made 45 days in advance of commissioning for trial production of the plant.


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The receipt of this letter may please be acknowledged.

FOR AND ON BEHALF OF
KARNATAKA STATE POLLUTION CONTROL BOARD

Encl.: Annexure-I


2011
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Note:

1. *It is advised to provide all necessary healthcare facilities to employees & local people and shall carry out routine health survey among employees & local people and tests like Spirometry, Pulseoxymetry, Lung function test, etc.*
2. *It is advised to regularly check the health of workers exposed to very high noise levels and suitable measures to avoid any ill effects shall be taken.*
3. *It is advised to take all safety measures to avoid any injury to its employees and local people as per the approved Onsite and Offsite Emergency Plan.*

ANNEXURE -I

Sl. No.	Chimney attached to	Minimum chimney height to be provided above ground level	Rate of emission NM ³ /Hr.	Constituents to be controlled in the emission	Tolerance limits mg/NM ³	Air pollution Control equipment to be installed, in addition to chimney height as per Col.(3)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.	Remarks-
1	2	3	4	5	6	7	8	9
1	Diesel driven pumps 4No.	30m each	--	As per stipulated standards in EP rules Sec I Sl. No. 96 enclosed as Annexure II	As per col (3) with acoustic measures	Before commissioning		1. The emission rate of all chimneys shall be reported within 30 days. 2. There shall be no smell or odour nuisance from the industry. 3. There shall be no other source of air pollution.

Note: 1. The Reaction shall be carried out in a closed system and there shall not be process emission.
2. The noise level shall not exceed 75 db (A) Leg during day time and 70 db (A) during night time.


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ANNEXURE - II

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The Environment (Protection) Rules, 1986

[96. EMISSION STANDARDS FOR DIESEL ENGINES (ENGINE RATING MORE THAN 0.8 MW (800 KW) FOR POWER PLANT, GENERATOR SET APPLICATIONS AND OTHER REQUIREMENTS

TABLE

Parameter	Area Category	Total engine rating of the plant (includes existing as well as new generator sets)	Generator sets commissioning date		
			Before 1.7.2003	Between 1.7.2003 and 1.7.2005	On or after 1.7.2005
NO _x (as NO ₂) (At 15% O ₂ , dry basis, in ppmv)	A	Up to 75 MW	1100	970	710
	B	Up to 150 MW			
	A	More than 75 MW	1100	710	360
	B	More than 150 MW			
NMHC (as C) (at 15% O ₂), mg/Nm ³	Both A and B		150	100	
PM (at 15% O ₂), mg/Nm ³	Diesel Fuels- HSD & LDO	Both A and B	75	75	
	Furnace Oils- LSHS & FO	Both A and B	150	100	
CO (at 15% O ₂), mg/Nm ³	Both A and B		150	150	
Sulphur content in fuel	A		<2%		
	B		<4%		
Fuel specification	For A only	Up to 5 MW	Only Diesel Fuels (HSD, LDO) shall be used.		
Stack height (for generator sets commissioned after 1.7.2003)	Stack height shall be maximum of the following, in metre: (i) $14 Q^{0.3}$, Q=Total SO ₂ emission from the plant in kg/hr. (ii) Minimum 6m.above the building where generator set is installed. (iii) 30m.				

¹ Serial No.96 and entries relating thereto inserted by Rule 2 of the Environment (Protection) 1986 Amendment Rules, 2002 notified vide Notification G.S.R.489(E), dated 9.7.2002.

[Handwritten Signature]