



03/E&E/202/04

01.12.2017

The Additional Principal Chief conservator of Forests (C)  
Ministry of Environment, Forest & Climate Change  
4<sup>th</sup> Floor, E&F Wings  
Kendriya sadan  
Koramangala  
Bangalore-560 034

Dear Sir,

**Sub: Submission of Half yearly compliance report on Environmental Clearance  
issued by the Ministry of Environment, Forests and Climate Change**

- Ref:** 1. Letter from MoEF&CC EP/12.1/70/KER dt. 1<sup>st</sup> July 2016  
2. EC No.J-11011/78/96-IA-II dt. 5.3.97 issued to our Project "Installation of Diesel Hydro De-Sulphurisation (DHDS) project M/s Bharat Petroleum Corporation Ltd, Kochi Refinery (Formerly Cochin Refineries Ltd)"

With reference to the above mentioned letter (Ref.1) from MoEF&CC, regarding the compliance report of the EC clearances referred (Ref.2), we would like to submit that the subject project has been commissioned in the year 2000.

Please find enclosed the compliance reports on the various conditions laid down by MoEF &CC, pertaining to the half year period from April 1<sup>st</sup>, 2017 to September 30<sup>th</sup>, 2017 for the subject project.

Thanking you

Very truly yours

For BPCL Kochi Refinery

**Damien Gracious K.D.**

**Chief General Manager (HSE)**

Encl: 1.Six Monthly Compliance Report

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Cc:

**1. The Member Secretary  
Central Pollution Control Board  
Parivesh Bhawan  
East Arjun Nagar  
Delhi - 110 032**

**2. The Member Secretary  
Kerala State Pollution Control Board  
Plamoodu Junction  
Pattom Palace  
Thiruvananthapuram - 695 004**

**COMPLIANCE STATUS OF ENVIRONMENTAL CLEARANCE CONDITIONS  
FOR INSTALLATION OF DIESEL HYDRO DESULPHURISATION (DHDS)  
PROJECT ACCORDED BY J-11011/78/96-IA-II DT. 5.3.97**

**Status of the project:** Project commissioned in 2000

ITEM NO.	ITEM DESCRIPTION	STATUS AS ON 30.09.2017
1	All conditions stipulated by MoEF & CC while according approval for Capacity Expansion Project	Complied
2	No expansion or modernization of the Plant should be carried out without approval of the MoEF&CC	Complied.
3	The project authority must strictly adhere to the stipulations laid down by the Kerala State Pollution Control Board and the State Govt.	Complied
4	The total SO <sub>2</sub> emission from BPCL Kochi Refinery including DHDS Project should not exceed the norm of 1607 Kg./hr. (Refer MoEF&CC vide letter No.J-110/1/78/96.IA.II dated 9 <sup>th</sup> February,1999)	Complied
5	The existing ETP should be adequately augmented or additional treatment facilities should be provided to accommodate the additional effluent load from DHDS project before commissioning the project to ensure that the treated effluent meets the MINAS standard.	New ETP has been commissioned along with the DHDS Project.
6	Time bound action plan for disposal of oil sludge / recovery of oil and design details of the solid waste disposal pit should be furnished to the Ministry within a period of 3 months.	Complied. A scheme for the recovery of oil from accumulated sludge has been implemented. All the accumulated sludge at that point of time was processed and currently there is no accumulated stock of oily sludge. Sludge is being processed in Delayed Coker Unit, which has been

		commissioned as part of IREP project.
		A secured landfill facility for storing hazardous wastes was commissioned in March, 2005.
7	SRU having an efficiency of more than 99% should be installed.	Complied.
8	The ground water quality should be monitored and the report should be submitted to the Ministry every six months.	Complied. Ground water quality report attached as <b>Annexure I.</b>



# COCHIN TEST HOUSE

## ANALYTICAL SERVICES & TESTING LABORATORY

V / 78, Kollanpady, Murungaliparambu Road, Irumpanam P.O., Kochi - 682 309  
 Mob.: 9446332556, 9387381780, 9846551014, Tel. : 0484 - 2782672  
 E-mail: cochintesthouse1@gmail.com, Web : ww.cochintesthouse.in

Laboratory Approved by Kerala State Pollution Control Board

### TEST REPORT

Page 1 of 1

Report No : CTH/LR/17/NN/1457

Issue Date : October 26, 2017

Name and Address of customer : M/s.BPCL Kochi Refinery,  
 Ambalamugal.  
 Sample Drawn By : Cochin Test House  
 Sample code : 17/NN/1457  
 Date of receipt of sample : 16.10.2016  
 Dates of Analysis : 16.10.2016 – 25.10.2016  
 Description of the sample by the customer : Bore Well Water from 14  
 Test required: For the parameters listed below, as per Drinking water specification IS 10500: 1991

Sl.No.	Parameters	Unit	Method	Result	Desirable Limit
1	Mercury as Hg	mg/l	APHA:22 <sup>nd</sup> Ed.2012-3112 B	BDL(MDL – 0.001)	0.001
2	Arsenic as As	mg/l	APHA:22 <sup>nd</sup> Ed.2012-3114 C	BDL(MDL – 0.01)	0.05
3	Lead as Pb	mg/l	APHA:22 <sup>nd</sup> Ed.2012-3111 C	BDL(MDL – 0.05)	0.05
4	Copper as Cu	mg/l	APHA:22 <sup>nd</sup> Ed.2012-3111 C	BDL(MDL – 0.05)	0.05
5	Chromium as Cr <sup>6+</sup>	mg/l	APHA:22 <sup>nd</sup> Ed.2012-3111 C	BDL(MDL – 0.05)	0.05
6	Zinc as Zn	mg/l	APHA:22 <sup>nd</sup> Ed.2012-3111 B	BDL(MDL – 0.1)	5.0
7	Cadmium as Cd	mg/l	APHA:22 <sup>nd</sup> Ed.2012-3111 B	BDL(MDL – 0.01)	0.01
8	Manganese as Mn	mg/l	APHA:22 <sup>nd</sup> Ed.2012-3111 B	BDL(MDL – 0.1)	0.10
9	Cyanide ad CN	mg/l	IS:3025(Pt. 27)	BDL(MDL – 0.02)	0.05
10	Selenium as Se	mg/l	APHA:22 <sup>nd</sup> Ed.2012-3114 C	BDL(MDL – 0.01)	0.01
11	Nickel as Ni	mg/l	APHA:22 <sup>nd</sup> Ed.2012-3111 C	BDL(MDL – 0.01)	0.02

BDL- Below Detection Limit; MDL-Minimum Detection Limit.

End of Report



*[Signature]*  
 Verified By

*[Signature]*  
 K.P. Yacob  
 Authorised Signatory  
 Chemical  
 COCHIN TEST HOUSE

NOTE : This test results relate only to the sample submitted for analysis.

The test report shall not be reproduced except in full without the written approval of the laboratory.