

# हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार उपक्रम) पंजीकृत कार्यालय : 17, जमशेदजी टाटा रोड, मुंबई - 400 020.

### HINDUSTAN PETROLEUM CORPORATION LIMITED

(A GOVERNMENT OF INDIA ENTERPRISE) REGISTERED OFFICE : 17, JAMSHEDJI TATA ROAD, MUMBAI - 400 020,

मुंबई रिफाइनरी, पो. ऑ. बॉक्स नं. 18820, बी. डी. पाटील मार्ग, माहल, मुंबई - 400 074. MUMBAI REFINERY, P.O. BOX NO. 18820, B. D. PATIL MARG, MAHUL, MUMBAI - 400 074. टेलीफोन : TELEPHONE : 2507 6000, फॅक्स : FAX : 2554 2008. तार - हिनरिफ, TELEGRAM - HINREF CIN: L23201MH1952GOI008858

**January 24, 2022** 

To,

**Deputy Director General of Forests (Central)**, West Central Zone, Regional Office, New Secretariat Building, Opposite VCA Ground, **Civil Lines, Nagpur-440001** 

Subject: Submission of six monthly compliance for Construction of Storage tanks and associated facilities at Mumbai Refinery-II, Village Anik, Tehsil and District Chembur, Maharashtra by M/s HPCL - Environmental Clearance F. No. J-11011/121/2013-IA-II(I) dated April 5, 2016.

Dear Sir,

Please find attached herewith, six monthly compliance report of subject Environmental Clearance for the period April 2021 to September 2021 for MR-II Tankage Project.

With Warm Regards,

foilin

Kamalakar R. Vikhar Chief General Manager (I/C) - Projects Mumbai Refinery - HPCL

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## SIX MONTHLY COMPLIANCE REPORT

## PART -1: DATA SHEET

1	Project type	Industry	
2	Name of the Project	Construction of storage tanks at Mumbai Refinery-(MR-II)	
3	Clearance Letter/ OM no. and date	File no. J-11011/121/2013-IA II (I) dated April 5, 2016	
4	Location		
	a) District	Mumbai Suburban	
	b) State	Maharashtra	
	c) Location	Mahul	
	d) Latitudes	19° 01′ 18″ N	
	e) Longitudes	72° 53′ 57″ E	
5	Address for Correspondence	<ul> <li>a) Mr. Kamalakar R Vikhar Chief General Manager (I/C)-Projects Hindustan Petroleum Corporation Limited, Mumbai Refinery, P. O. Box. No. 18820, B D Patil Marg, Mahul, Mumbai – 400 074, Maharashtra, India Tel: +91-22-25077028, 25078628 Website: <u>www.hindustanpetroleum.com</u> Email: <u>vikharkr@hpcl.in</u></li> <li>b) Mr. Shirsendu Ghosh DGM- Projects Process Hindustan Petroleum Corporation Limited, Mumbai Refinery, P. O. Box. No. 18820, B D Patil Marg, Mahul, Mumbai – 400 074, Maharashtra, India Tel: +91-22-25076177, 25078977 Website: <u>www.hindustanpetroleum.com</u> Email: <u>shirsendughosh@hpcl.in</u></li> </ul>	
6	Salient Features	a) Shifting of existing storage and loading facilities for some of the products/intermediates present inside	

	a) Of the Project	the Refinery premises to MR-II plot, adjacent to
		existing Refinery. Total number of hydrocarbon tanks
		coming up at MR-II are 38 with total gross storage
		capacity of 3,60,000 KL.
	b) Of the Environment	
	Management Plan	HPCL-MR-II has a fully functional Environment Management
	indiagenteit i tan	Plan which includes following under 3 broad areas:
	ومتري الأفاق والشباب ومسردها	
		b) Effluent a. Process effluent from MR-II will be routed to
		existing state-of-the-art Integrated Effluent
		Treatment Plant (IETP) within Refinery. It
		includes primary treatment, secondary
		treatment (bio), tertiary treatment units. The
		70 % treated effluent is being recycled to DM
		plant as feed and rest is recycled back to the
		fire water system. No effluent is discharged
		from ETP.
		b. A small domestic Effluent/ Sewage
		Treatment Plant (STP) to cater to the MR-II
		site. c. Storm water drains are provided with oil
		catcher.
		c) Source Emission
		a. All floating roof tanks are provided with
		mechanical seal with 96% vapor recovery as
		per EPA guidelines.
	· · · · · · · · · · · · · · · · · · ·	b. Vapor recovery unit at Tank Truck Loading
		Gantry for Class 'A' product, order is being
		placed.
		<ul> <li>d) Ambient Air</li> <li>a. 2 Ambient Air Quality Monitoring stations</li> </ul>
		a. 2 Ambient Air Quality Monitoring stations have been installed at MR-II site under this
		project.
		b. Green belt development at the project site.
7	Break-up of the project area	
	a) Submergence area: Forest	Non Forest
	and Non forest	
0	b) Others	
8	Breakup of the project affected	
	population with enumeration of	Not Applicable
	those losing houses/dwelling	

	agricultural land and s laborers/ artisans.			
Project subseq	al Details: cost originally planned and uent revised estimates and ar of price reference	Tank was r and	nally Planned Mumbai ct(MREP) cost- Rs. 3223.43 age Project-Rs. 1100 Cr in merged with MREP, so tota MR-II project= Rs. 4199 ( nate of MREP and MR-II pro	Cr in 2014-2015. MR- 2015-16. MR-II proje al project cost of MR Cr in 2015-16. Revis
a)	Allocation made for environment	S. No.	Description of items	Approx. Capital Cost (in lakhs Rs.)
	management plan with	1	Air Pollution Control	200
	item wise and year wise	2	Water Pollution Control	50
	break up.	3	Rain Water Harvesting	50
		4	Green Belt Development	50
		5	Noise Pollution Control	1
			Total	351
		S. No.	Description of items	Approx. Recurring Cost (in lakhs Rs.)
		1.	Ambient Air Monitoring	10
		2.	VOC monitoring	10
		3.	Other recurring cost (consents)	15
		4.	Noise Monitoring	0.2
		5.	Groundwater Quality	1
		6.	Rain Water Harvesting	5
	*	7.	Green Belt Maintenance	6
			Total	47.2
b)	Internal Rate of Return and the year of assessment.	MREP	and MR-II Tankage project: 1	.3.38 % in 2018-2019
c)	Whether (c) includes the cost of Environment management as shown above.	Yes		6
d)	Actual expenditure incurred on the Project so far.	Rs. 49 projec	913.91 Crores including MRE	EP, PRU and CPP revar

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	e) Actual expenditure incurred on the environmental management plans so far	EIA and RRA study: Rs. 47.5 lacs VOC estimation study: Rs. 15.5 lacs 2 AAQMS installations at MR-II site: Rs. 3.47 Crores STP : Rs 35 lacs Green belt development : Rs 60 lacs
10	Forest land requirement <ul> <li>a) The status of approval for diversion of forest land for non-forestry use.</li> </ul>	Not Applicable.
	b) The status of clearing felling.	Not Applicable
	C) The status of compensatory afforestation, if any.	Not Applicable.
	d) Comments on viability & sustainability of compensatory afforestation program in the light of actual field experience so far.	Green belt area is being developed. 11.86 acres of area is available for developing green belt.
11	The status of clear felling in non- forest areas (such as submergence area or reservoir, approach roads), if any with quantitative information required.	Not Applicable.
12	Status of Construction (Actual & /or planned)	
	a) Date of Commencement (Actual & /or planned).	April 2016
	b) Date of Completion (Actual & /or planned)	Completed
13	Reason for the Delay, if the project is yet to start.	Not applicable

14	Date of site visits	
	a) The dates on which project was monitored by the Regional Office on the previous occasions, if any.	Not Applicable
	b)Date of site visit for this monitoring report	Not Applicable
15	Details of correspondence with project authorities for obtaining action plans/information on status of compliance to safeguards other than the routine letters for logistics support for the site visit.	Not Applicable

Project: Construction of Storage tanks and associated facilities at Mumbai Refinery-MR-II, Village Anik, Tehsil and District Chembur, Maharashtra by M/s HPCL.

Reference : F. No. J-11011/121/2013-IA-II(I) dated April 05, 2016 by Ministry of Environment, Forests and Climate Change

S. No.	Particulars	Compliance Status
î.	Adequate buffer zone around the oil tankages, as may be required as per OISD or other statuary requirements.	Layout has been prepared by Project PMC (M/s Engineers India Limited) as per OISD 118 and PESO approval has been obtained on the layout.
ii.	Regular online monitoring of VOC and HC in the work zone area in the plant premises should be carried and data be submitted to Ministry's regional office at Bhopal, CPCB and State Pollution Control Board.	2 nos. of Ambient air monitoring stations are being installed at site to monitor (VOC & HC) quality of ambient air. Data will be made available post commissioning of the facilities. Project is not yet commissioned.
iii.	Total fresh water requirement from ground water source should not exceed 5 m3/hr. and prior permission should be obtained from the concerned authority.	No ground water consumption is envisaged for the proposed project. Water will be sourced from the Refinery adjacent to the project site.
iv.	The company shall construct the garland drain all around the project site to prevent run off of any oil containing waste into nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated streams. During rainy season, the storm water drains shall be connected to oil water separator and passed through guard pond. Water quality monitoring of guard pond shall be conducted and ensured that monitoring parameters shall not exceed the prescribed standards.	Oily waste water is routed separately through OWS sump to ETP for treatment. During rain, clean storm water drain from other non- oil contaminated areas is connected to Oil Catcher before connecting to the nearby storm water drain.
v,	The oil draw off shall be treated in the existing ETP of the refinery. The treated effluent will be used for gardening/horticulture purpose. Oily sludge will be disposed off through approved TSDF facilities. No effluent shall be discharged outside the premises.	Generated effluent will be collected in OWS sump and routed back to refinery for further processing at ETP. Treated effluent is recycled back in the process. Oily sludge is bio-remediated within the Refinery.
vi.	Storm water should pass through efficient oil and grease catchers to trap leaked oil and grease.	As per design, Oil catcher has been provided on storm water drain to trap oil leak, if any.

#### A. Specific Conditions

vii.	OISD guidelines regarding safety against fire, spillage, pollution control, etc. shall be followed. Company should ensure no oil spillage occur during loading/unloading of petroleum products.	Design guideline is being implemented and operational safeguard will be implemented post commissioning.
viii.	The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemical Rules 1989, amended in 2000 and the Public Liability Insurance Act for handling the hazardous chemicals, etc. All the hazardous waste shall be properly treated and disposed off on accordance with the Hazardous Waste (Management, Handling and Trans-boundary movement) Rules 2008 and its subsequent amendments.	Applicable provisions as mentioned in Manufacture, Storage and Import of Hazardous Chemical Rules 1989, amended in 2000 and the Public Liability Insurance Act for Hazardous Chemical have been taken care of. PESO approval required for the project has been obtained.
ix.	Necessary approvals of Chief Controller of Explosives must be obtained before commissioning of project. Requisite on- site and off-site Disaster Management Plan will be prepared and implemented.	Petroleum Explosive Safety Organization (PESO) approval has been obtained for construction. Existing on-site and off-site Disaster Management Plan is upgraded to include MR-II facilities.
x.	The company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulation made by the respective authorities.	Noted
xi.	All the storage tanks shall be provided with design features based on applicable OISD standards.	Complied. 38 hydrocarbon tanks & 2 fire water tanks
xii.	Fully automated Tank Farm Management System (TFMS) will be provided for accounting of products and reconciliation.	TFMS is implemented
xiii.	Emergency Response Plan shall be based on the guidelines prepared by OISD, DGMS and Govt. of India. Mock drill shall be conducted once in a month.	Existing emergency response plan of the Refinery is upgraded to include MR-II facilities.
xiv.	Bottom Oil sludge shall be handled, stored and disposed off as per CPCB/MoEF guidelines.	Noted. However, no bottom oil sludge is envisaged.
XV.	Occupational Health Surveillance of workers shall be done on regular basis and records maintained as per Factory Act.	Will be complied once the facility is operational.
xvi.	At least 10 m wide thick green belt shall be developed on all sides along the periphery of the project area, in downward direction and along the road sides, etc. Selection of plant	Considering the plot size and tankage layout, required 10 m wide thick green belt on all sides is not feasible. However, green belt is being developed along the periphery.

	species shall be as per CPCB guidelines in consultation with the DFO.	Demarcated area of 11.86 acres is being developed as green belt.	
xvii.	The Company shall harvest surface as well as rain water from the rooftops of the buildings proposed in the project and storm water drains to recharge the ground waters and use the same water for the various activities of the project to conserve fresh water.	Rain water harvesting is being implemented in Administrative Building of the project site.	
cviii.	All the recommendations mentioned in the EMP/DMP shall be implemented.	Noted	
public hearing consultation meeting shall be satisfactorily implemented. Adequate budgetary provision shall be kept for		Public hearing commitments with respect to CSR activities in surrounding areas, traffic management and indirect employment through project activities are being implemented. Details of the same are attached as Annexure I	
xx. Under Corporate Social Responsibility (CSR), sufficient budgetary provision shall be made for health improvement, education, water and electricity supply, etc. in and around the project.		Already in place as per the existing guidelines. Details of the same are attached as Annexure I	
xxi.	Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche, etc. the housing may be in the form of temporary structures to be removed after the completion of the project.	Construction complete.	
B. Ger	neral Conditions		
i.	No further expansion or modification in the project shall be carried without prior approval of the Ministry of Environment and Forests. In case of deviations or alternations in the project proposal from those submitted to the Ministry for clearance, a fresh reference shall be made to the Ministry.	Noted	
ii.	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 station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Locations have been finalized in consultation with the EIA consultant (M/s EIL) and provided information of the same to Maharashtra Pollution Control Board (MPCB).	
		Kindly Refer attached Annexure – II.	

III.	The overall noise levels in and around the premises shall be limited within the prescribed standards (75 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).	All necessary noise control measures including acoustic hoods, silencers, enclosures etc. wherever applicable has been considered. The prescribed noise level standard will be monitored once the facility is operational.
iv.	The company shall harvest rain water from the rooftops 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.	Rain water harvesting is being implemented in Administrative Building of the project site.
V.	Training shall be imparted to all employees of safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations of all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Will be Complied once the facility is operational.
vi.	Usage of Personal Protection Equipment (PPEs) by all employees/workers shall be ensured.	Complied
vii.	The company shall also comply with Environmental Protection Measures and safeguard proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing related to the project shall be implemented.	Complied. Kindly refer Annexure –I and Point No. 9 of the data sheet which is part of this compliance report.
viii.	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Project is coming up adjacent to the existing Refinery premises. Various CSR activities are already in place for the surrounding areas. Kindly refer Annexure -I
ix.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Eco-developmental measures including community welfare measures for the overall improvement of the environment in the near vicinity of the Project is being undertaken under CSR. Kindly refer Annexure – I for details.
x.	A separate environment management cell with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied

(		
xi.	As proposed, the company shall earmark sufficient funds towards capital cost and recurring cost per annum 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 earmarked shall not be diverted for any other purpose.	Noted
xii.	A copy of clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations if any, were received while processing the proposal.	Complied
xiii.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both on hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and MPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Complied
xiv.	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently, shall also be put on[ the website of the Company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Office of MoEF by e-mail.	Complied. The Environmental Statement for 2020-21 is available on website of Company.
xv.	The Project Proponent should 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 which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the concerned Regional office of this Ministry.	
xvi.	The project authorities 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 and the date of start of the project.	Project approved vide HPCL board meeting dated September 29, 2015.

Environmental Clearance letter received on April 22, 2016.
Consent to Establish received from Maharashtra Pollution Control Board (MPCB) on May 25, 2018.
Intimation letter for change in project configuration submitted to MoEFCC, New Delhi on July 20, 2018 as there is no change in pollution load.
Revised CTE for change in configuration from MPCB received on March 26, 2019.
Consent To Operate (CTO) received from MPCB on June 12, 2020.
Renewal of Consent To Operate (CTO) received from MPCB on July 15, 2020.
Project is not closed.

## ANNEXURE-I

## Details of CSR Activities in surrounding areas in 2021-22 (April 2021-September 2021)

Sr. No.	Expenditure in Rs.	Project activity (April to September 2021)
1	12000000	Operation and Maintenance of Videocon Atithi Covid Care Centre for May 2021 in association with MCGM
2	9363770	Operation and Maintenance of Videocon Atithi Covid Care Centre for June 2021 in association with MCGM
3	1412397	Observance of Swachhata Pakhwada - July 2021
4	3211260	Onsite vaccination Camp at MR in association with Surana Hospital (4117 doses) – July 2021
5	1560000	Onsite vaccination Camp at MR in association with Sushrut Hospital (2000 doses) – August 2021
TOTAL	27547427	Rupees Two Crore Seventy Five Lakh Forty Seven Lakh Four Hundred Twenty Seven Only



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड (भारत सरकार उपक्रम) पंजीकृत कार्यालय : 17, जमशेदजी टाटा रोड, मुंबई - 400 020. HINDUSTAN PETROLEUM CORPORATION LIMITED (A GOVERNMENT OF INDIA ENTERPRISE) REGISTERED OFFICE : 17, JAMSHEDJI TATA ROAD, MUMBAI - 400 020.

मुंबई रिफाइनरी, पो. ऑ. बॉक्स नं. 18820, बी. डी. पाटील मार्ग, माहुल, मुंबई - 400 074. MUMBAI REFINERY, P.O. BOX NO. 18820, B. D. PATIL MARG, MAHUL, MUMBAI - 400 074. टेलीफोन : TELEPHONE : 2507 6000, फॅक्स : FAX : 2554 2008, तार - हिनरिफ, TELEGRAM - HINREF CIN : L23201MH1952GOI008858

July 18, 2019

Annexure-II

#### To,

The Sub-Regional officer, Mumbai-III, Maharashtra Pollution Control Board, Kalpataru Point, Sion (East), Mumbai – 400022

Subject: Ambient Air Quality Monitoring Stations (AAQMS) locations at MR-II project site of HPCL Mumbai Refinery.

Ref: Environmental Clearance Letter F. No. J-11011/121/2013-IA II (I) dated April 5, 2016 and 'Amendment in Consent' letter No. Format 1.0/BO/CAC-Cell/UAN No. 0000056338/CE(Amend)/12<sup>th</sup> CAC-1903001483 dated March 26, 2019.

Dear Sir,

As per the Environmental Clearance letter, F. No. J-11011/121/2013-IA II (I) dated April 5, 2016 received from Ministry of Environment, Forest and Climate Change (MoEF&CC), two Ambient Air Quality Monitoring Stations have been considered for the MR-II project site. Tentative locations of the stations have been finalized in consultation with the EIA consultant (M/s Engineers India Limited), one station is placed in the upwind direction and other at the downwind direction. Plot plan of MR-II is attached for reference.

This is for your information and record.

Very Truly Yours,

Shirsendu Ghosh DGM-Project Process HPCL Mumbai Refinery

\$3,017/19

Maharashtra Pollution Control Board Regional Office , Mumbal Kalpataru Point, 1st Floor, Ston Circle, In Front of Cine Planate Theeter, Stity (East), Mumbal - 400 022,



प्रधान मनमोहनसिंग यांच्यासह अन्य प्रथमिक माहिती अहवाल (एफआयआर) र्गच्या याचिकेवर पुढील आठवड्यात सुनावणी सर्वोच्च न्यायालयाने आज सांगितले.

#### तर विधानसभा उडविण्याची धमकी

/टणा, ता. २८ (वृत्तसंस्था) : बिहार विधानसभेची इमारत बाँबने उडवू, अशो धमकी बिहार विधानसभेचे अध्यक्ष विजय चौधरी यांना अज्ञातांकडून देण्यात आली आहे. या धमकी पत्रानंतर बिहार प्रशासन आणि राजकीय क्षेत्रात खळबळ उडाली. चौधरी हे जेडीयूचे समस्तीपूर जिल्ह्यातील आमदार आहेत. यांना मंगळवारी साध्या टपालाहारे वरील आशयाचे धमकीचे पत्र मिळाले आहे. .

#### आसाममध्ये कांग्रेसला बहमताची आशा

गुवाहाटी, ता. २८ (यूएनआय) : आसाम विधानसभा निवडणुकीत काँग्रेस ६७ जागा जिंकेल असा विश्वास काँग्रेसने व्यक्त केला. प्रदेश काँग्रेसतफें करण्यात आलेल्या अंतर्गत पाहणीत पक्षाला राज्यात यश मिळणार असल्याचा दावा केला आहे. आसाममध्ये दोन टप्प्यात निवडणूक झाली आहे.

#### बिहार विधानसभा उडविण्याची धमकी

पाटणा, ता. २८ (वृत्तसंस्था) : बिहार विधानसभेची इमारत बॉम्बने उडवू, अशों धमकी बिहार विधानसभेचे अध्यक्ष विजय चौधरी यांना अज्ञातांकडून देण्यात आली आहे. या धमकी पत्रानंतर बिहार प्रशासन आणि राजकीय क्षेत्रात खळबळ उडाली. चौधरी हे संयुक्त जनता दलाचे (जेडीयू) समस्तीपूर जिल्ह्यातील सरायरंजन येथील आमदार आहेत. त्यांना मंगळवारी साध्या टपालाहारे वरील आशयाचे धमकीचे पत्र मिळाले आहे.

### मादाम तुसाँमध्ये मोदींचा पुतळा

लंडन, ता. २८ (पीटीआय) : येथील प्रख्यात मादाम तुसाँ संग्रहालयात पंतप्रधान नरेंद्र मोदी यांचा मेणाचा पुतळा आज स्थानापत्र करण्यात आला. बेकर स्ट्रीटवर असलेल्या या संग्रहालयात जगद्विख्यात व्यक्तींचे मेणाचे पुतळे असून, त्यात आता मोदीही दाखल झाले आहेत.

दिल्लीहून आलेला पुतळा संग्रहालयाच्या 'वर्ल्ड लिडर्स' या विभागात बसविण्यात आला आहे. महात्मा गांधी, विन्स्टन चर्चिल यांच्यापासून बराक ओबामा, डेव्हिड कॅमेरॉन, ॲंजेला मर्केल आणि फ्रान्स्वा ओलाँद आदी नेत्यांचे पतळे या विभागात आहेत. 'मादाम तुसाँ संग्रहालयात मोदींचे स्वागत आहे,' अशा शब्दांत संग्रहालयाचे 🖌 सरव्यवस्थापक एडवर्ड फुलर यांनी आनंद व्यक्त केला. मोदींचा पुतळा त्यांचा 'ब्रँड' बनलेला कुर्ता आणि क्रिम जॅकेटमध्ये असून, ते 'नमस्ते'च्या स्थितीत आहेत.

29-04-16



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दिनांक : २० एप्रिल, २०१६ डीजीआयपीआर २०१६-२०१७-३८०

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डीआर-पीआर-द्वमुअसै-१-२०१६

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डॉ. अंबुजा साळगावकर

प्रभारी संचालक

#### F. No. J-11011/121/2013- IA II (I) Government of India Ministry of Environment, Forest and Climate Change (I.A. Division)

Indira Paryavaran Bhawan Aliganj, Jorbagh Road, New Delhi -110003

E-mail: lk.bokolia@nic.in Telefax: 011-24695313 Dated 5<sup>th</sup> April, 2016

To,

Shri S. C. Mehta (Executive Director) M/s HPCL HPCL, Mumbai Refinery, B.D. Patil Marg, Chembur, Mumbai- 400074

E-mail: scmehta@hpcl.co.in; Fax No. 25542008

Subject: Construction of Storage tanks associated facilities at Mumbai Refinery– II, Village Anik, Tehsil & District Chembur, Maharashtra by M/s HPCL – Environmental Clearance reg.

### Ref: Your online proposal no. IA/MH/IND2/30816/2013 dated 8<sup>th</sup> September, 2015.

Sir,

This has reference to your letter dated 8<sup>th</sup> September, 2015 alongwith project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report alongwith Public hearing Report regarding above mentioned project.

2.0 The Ministry of Environment, Forests and Climate Change has examined the application. It is noted that the proposal is for construction of Storage tanks associated facilities at Mumbai Refinery–II, Village Anik, Tehsil & District Chembur, Maharashtra by M/s HPCL. The total land required for proposed Calico project is 57 acres. Out of area earmarked for greenbelt is 11.86 acre. Cost of project is Rs. 800 crores.

The proposed project comprises of the following major facilities as part of it:

- Storage facility for six different types of White Oils (MS grade-I, MS grade-II, HSD grade- I, HSD grade- II, SKO, ATF, Naphtha and Slop).
- MS I/MS II Storage Tanks 8 Numbers (4 Numbers of 29620 Kl gross capacity each + 4 Numbers of 14525 Kl gross capacity each)
- HSD I/ HSD II Storage Tanks 6 Numbers (4 Numbers of 29620 KI gross capacity each + 2 Numbers of 14535 KI gross capacity each)
- SKO Storage Tanks 5 Numbers of 14535 KI gross capacity each
- ATF Storage Tanks 5 Numbers (4 Numbers of 14927 KI gross capacity each + 1 Numbers of 1584 KI gross capacity)
- Naphtha Storage Tanks 2 Numbers of 4964 KI gross capacity each
- Slop Storage Tanks 2 Numbers of 4964 Kl gross capacity each

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M/s HPCL

- > Pipelines to receive all types of oils from the refinery.
- 2 numbers of 12" Pipe for MS-I & MS-II
- 2 numbers of 14" Pipe for HSD-I & HSD-II
- 2 numbers of 8" Pipe for SKO
- 1 number of 10" Pipe for ATF
- 1 number of 6" Pipe for SCN
- 24" new pipeline for MS-I/ MS-II, which will join existing pipeline corridor located just outside the refinery.
- 24" new pipeline for HSD-I/ HSD-II, which will join existing pipeline corridor located just outside the refinery.
- 10" diameter pipeline for dispatch of ATF from Calico to refinery.
- Slop will be transferred to refinery through 3" new pipeline.
- SCN will be transferred to refinery through 6" new pipeline.
- One 8" diameter new pipeline from SKO (Sales) for receipt and one 14" diameter new pipeline for SKO (Sales) for dispatch to Reliance industry through existing pipeline.
- Other associated facilities

3.0 Water requirement for proposed project is 5 m<sup>3</sup>/hr. The water will be sourced from Brihanmumbai Municipal Corporation (BMC). Wastewater from tankages will be treated in the existing ETP of the Refinery. Storm water will be passed through oil and grease trap. Total power requirement shall be 2.3 MW.

4.0 Public Hearing / Public Consultation meeting was conducted 17<sup>th</sup> March, 2015.

5.0 All the Isolated Storage & Handling of Hazardous Chemicals are listed at S.N. 6(b) under Category 'B' and appraised at the Central level due to integrated project of refinery.

6.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its meetings held during 10<sup>th</sup>-11<sup>th</sup> June, 2013, 30<sup>th</sup> September, 2013 – 1<sup>st</sup> October, 2013 and 11<sup>th</sup>-12<sup>th</sup> February, 2016 respectively. Project Proponent and the EIA Consultant namely M/s Engineers India Ltd., have presented EIA / EMP report as per the TOR. EAC has found the EIA / EMP Report and additional information to be satisfactory and in full consonance with the presented TORs. The Committee recommended the proposal for environmental clearance.

7.0 Based on the information submitted by the project proponent, the Ministry of Environment and Forests hereby accords environmental clearance and CRZ clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006 and CRZ notification, 2011, subject to the compliance of the following Specific and General Conditions:

#### A. SPECIFIC CONDITIONS:

i) Adequate buffer zone around the oil tankages, as may be required as per OISD or other statutory requirements.

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- Regular online monitoring of VOC and HC in the work zone area in the plant premises should be carried and data be submitted to Ministry's Regional Office at Bhopal, CPCB and State Pollution Control Board.
- iii) Total fresh water requirement from ground water source shall not exceed 5.0 m<sup>3</sup>/hr and prior permission should be obtained from the concerned Authority.
- iv) The company shall construct the garland drain all around the project site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated streams. During rainy season, the storm water drains shall be connected to oil water separator and passed through guard pond. Water quality monitoring of guard pond shall be conducted and ensured that monitoring parameters shall not exceed the prescribed standards.
- v) The oil draw off shall be treated in the existing ETP of the refinery. The treated effluent will be used for gardening/horticulture purpose. Oily sludge will be disposed off through approved TSDF facilities. No effluent shall be discharged outside the premises.
- vi) Storm water should pass through efficient oil and grease catchers to trap leaked oil and grease
- Vii) Oil Industry Safety Directorate guidelines regarding safety against fire, spillage, pollution control etc. shall be followed. Company should ensure no oil spillage occur during loading / unloading of petroleum products.
- viii) The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. All the hazardous waste shall be properly treated and disposed of in accordance with the Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules 2008 and its subsequent amendments.
- ix) Necessary approvals from Chief Controller of Explosives must be obtained before commission of project. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.
- x) The company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulation made by the respective authorities.
- xi) All storage tanks shall be provided with design features based on applicable OISD standards.
- xii) Fully automated tank farm management system (TFMS) will be provided for accounting of products & reconciliation.
- xiii) Emergency Response Plan shall be based on the guidelines prepared by OISD, DGMS and Govt. of India. Mock drill shall be conducted once in a month.
- xiv) Bottom oil sludge shall be handled, stored and disposed as per CPCB/ MoEF guidelines.

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- xv) Occupational health surveillance of worker shall be done on a regular basis and records maintained as per the Factory Act.
- xvi) At least 10 meter wide thick green belt shall be developed on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- xvii) The Company shall harvest surface as well as rainwater from the rooftops of the buildings proposed in the 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.
- xviii) All the recommendations mentioned in the EMP/DMP shall be implemented.
- xix) All the commitment made regarding issues raised during the public hearing/ consultation meeting shall be satisfactorily implemented. Adequate budgetary provision to be kept for implementation.
- xx) Under Corporate Social Responsibility (CSR), sufficient budgetary provision shall be made for health improvement, education, water and electricity supply etc. in and around the project.
- xxi) 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, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- xxii) 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, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

#### B. GENERAL CONDITIONS:

- i. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In *case* of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- ii. 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.
- iii. 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. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

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- iv. 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.
- v. 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.
- vi. Usage of Personnel Protection Equipments (PPEs) by all employees/ workers shall be ensured.
- vii. The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.
- viii. The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.
- ix. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- x. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- xi. As proposed, the company shall earmark sufficient funds toward capital cost and recurring cost per annum 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 earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
- xii. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal.
- xiii. The project proponent shall also submit 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 e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the Maharashtra Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- xiv. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- xv. 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 SPCB/Committee and may also be seen at Website of the Ministry at http://envfor.nic.in. This shall 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

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which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

xvi. The project authorities 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 and the date of start of the project.

8.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

9.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

10.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

(Lalit Bokolia)

## Additional Director

Copy to:-

- 1. The Principal Secretary, Environment Department, Government of Maharashtra, 15th Floor, New Administrative Building, Mantralaya, Mumbai 400 032
- 2. The Chief Conservator of Forests (Central), Kendriya Paryavaran Bhavan, Link Road No.3, Bhopal-462016.
- 3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
- 4. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup> and 4<sup>th</sup> floor, Opp. Cine Planet, Sion Circle, Mumbai-400 022.
- 5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jor Bagh Road, New Delhi.
- 6. Guard File/ Record File/ Notice Board.

(Lalit Bokolia) Additional Director