

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

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 Expansion of Mumbai Refinery from 7.5 MMTPA to 9.5 MMTPA at B.D. Patil Marg, Mahul, Mumbai, Maharashtra by M/s HPCL – Environmental Clearance F. No. J-11011/413/2014-IA-II(I) dated January 31, 2017.

Dear Sir,

Please find attached herewith, six monthly compliance report of subject Environmental Clearance for the period April 2021 to September 2021 for Mumbai Refinery Expansion Project (MREP), PRU & revamp of CPP along with other existing ECs.

With Warm Regards,

Kamalakar R. Vikhar

Chief General Manager (I/C) – Projects

Mumbai Refinery - HPCL

SIX MONTHLY COMPLIANCE REPORT

PART -1: DATA SHEET

1	Project type	Industry	
2	Name of the Project	Mumbai Refinery Expansion Project (MREP)	
3	Clearance Letter/ OM no. and date	File no. J-11011/413/2014-IA II (I) dated 31st January, 2017	
4	Location		
	a) District	Mumbai Suburban	
	b) State	Maharashtra	
	c) Location	Máhul	
	d) Latitudes	19° 01′ 18″ N	
	e) Longitudes	72° 53′ 57″ E	
5	Address for Correspondence	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: www.hindustanpetroleum.com Email: vikharkr@hpcl.in b) Mr. Shirsendu Ghosh DGM- Project 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: www.hindustanpetroleum.com Email: shirsendughosh@hpcl.in	
6	Salient Features	The project envisages, enhancement of crude refining capacity from 7.5 to 9.5 MMTPA along with revamp of MS	

a) Of the Project

block and DHT unit to produce BS-VI MS, revamp of captive power plant and installation of Propylene Recovery Unit. The new/ revamp units are as under:

- 1) CDU revamp
- 2) Installation of new Single VDU at FR (In lieu of FR & LR VDUs) for Energy optimization.
- 3) Revamp of MS Block Units and DHT Unit for enhanced Crude capacity and BS-VI MS production
- 4) Installation of new HGU.
- 5) Installation of Propylene Recovery Unit
- 6) Revamp of Captive Power Plant

b) Of the Environment Management Plan

HPCL-MR has a fully functional Environment Management Plan which includes following under 3 broad areas:

A. Fffluent

- a. State-of-the-art Integrated Effluent Treatment Plant (IETP) with a 7200 MLD capacity. Includes primary treatment, secondary treatment (bio), tertiary treatment units.
- b. Domestic Effluent/ Sewage Treatment Plant (STP) with 600 MLD capacity.
- c. 100% recycling of processed effluents from IETP for steam generation (70%) and cooling towers make up water (30%).

B. Source Emission

- a. Tail Gas Treatment Plant to check the SO2 and H2S release in SRU plant
- b. Flue Gas Scrubbing Plant (2 nos.) for scrubbing out the SPM and SO2 from the FCCU regenerator out let flue gas.
- c. Flare Gas Recovery system: for recovering the gas let-down to flare.
- d. Stack monitoring analyzers for all the stacks in the refinery
- e. Installation of low NOx burners in all the new furnaces coming under revamp.

C. Ambient Air

- a. VOC plant in IETP for capturing the volatile organic compound being liberated in atmosphere.
- b. Ambient Air Quality Monitoring Stations (3 nos.)

			The Environment Management System of Mumbai Refinery has been re- audited and awarded accreditation under ISO-14001 revised standards.		
7	a) Submergence area: Forest and Non fore b) Others		Non Forest		
8	Breakup of the project affect population with enumeration those losing houses/dwellin units/agricultural land and landless laborers/artisans.	on of	Not Applicable as expansion is within the Refinery premises.		
9	Financial Details: a) Project cost original planned and subsection revised estimates are year of price references.	nd the	PRU and MR-II Tai	y Planned MREP cost- Rs. 3223.43 Cr. i Revamp of CPP- Rs. 622.45 Cr. in 2015 nkage Project-Rs. 1100 Cr. In 2015-16 oject was merged with MREP, so total ad MR-II project= Rs. 4199 Cr in 2015-1	5-2016 project cost of
			Revised 6 2018-19.	estimate of MREP and MR-II project= I	Rs. 5060 in
	b) Allocation made environment	environment	S. No.	Description of items	Approx. Cost (in Rs.)
	management plan with item wise and year wise	1.	IETP facility	7.1 Cr	
	break up.		2.	Environmental Monitoring Expenses	0.3 Cr
			3.	MPCB payments	0.38 Cr
	,		4.	CAAMS/CSMS/EQMS/Online Connectivity	1.5 Cr
			5,	Bioremediation / Sludge management/Waste Minimization	4 Cr
			6,	Environment facilities improvement studies	0.4 Cr
			7,	Hazardous Waste Management	1.3 Cr
			8.	VOC study and other legal payments	0.39 Cr
				Total	15.37 Cr
	c) Internal Rate of Return and the year of assessment.			nd MR-II Tankage project: 13.38 % in 2 32% in 2015-2016	018-2019

	A) Adj. d . /) ! ! ! !	Revamp of CPP: 23% in 2015-2016
	 d) Whether (c) includes the cost of Environment management as shown above. 	Yes
	e) Actual expenditure incurred on the Project so far.	Rs. 4913.91 Crores including MR-II project
	f) Actual expenditure incurred on the environmental management plans so far	EIA and RRA study: Rs. 76 lacs VOC estimation study: Rs. 22.5 lacs 2 AAQMS installations at MR-II site: Rs. 3.47 Crores STP at MR-II: Rs 35 lacs Green belt development at MR-II: Rs 60 lacs
10	Forest land requirement	х
	a) The status of approval for diversion of forest land for non-forestry use.	Not Applicable as with in the Refinery premises.
	b) The status of clearing felling.	Not Applicable
	c) The status of compensatory afforestation, if any.	Not Applicable as the revamp is within the Refinery premises.
	d) Comments on viability & sustainability of compensatory afforestation program in the light of actual field experience so far.	Project is coming up within existing Refinery. Green belt is coming up adjacent to Refinery in MR-II plot as a part of MR II project.
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)	January 2017 (MREP).

	a) Date of Commencement (Actual & /or planned).	PRU and Revamp of CPP projects' construction is yet to be planned
	b) Date of Completion (Actual & /or planned)	Commissioning of the project is in progress.
13	Reason for the Delay, if the project is yet to start.	Commissioning of the project is in progress.
14	a) The dates on which project was monitored by the Regional Office on the previous occasions, if any.	June 15, 2019
	b)Date of site visit for this monitoring report	No site visit is made
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.	NIL

Project: Expansion of Mumbai Refinery from 7.5 MMTPA to 9.5 MMTPA at B.D. Patil Marg, Mahul, Mumbai, Maharashtra by M/s HPCL

Reference No.: F. No. J-11011/413/2014-IA-II(I) dated January 31, 2017 by Ministry of Environment, Forests and Climate Change, GOI

A. Specific Conditions

S. No. Particulars Compliance Status		Compliance Status
i, ×	M/s HPCL shall comply with standards/norms for Oil Refinery Industry notified under the Environment (Protection) Rules, 1986 vide G.S.R. 186 (E) dated 18 th March, 2008.	Complied
ii,	Continuous on-line stack monitoring for SO ₂ , NO _x and CO of all the stacks shall be carried out.	On-line stack monitoring facilities are provided to all new stacks under this project. The existing stacks have the online monitoring facility of the parameters.
iii.	The process emissions [SO ₂ , NO _x , HC {Methane and Non-methane}], VOCs and Benzene form various units shall conform to the standards prescribed under the environment (Protection) Act. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency of the pollution control device has been achieved.	Complied
iv.	Leak Detection and Repair programme shall be prepared and implemented to control HC/VOC emissions. Focus shall be given to prevent fugitive emissions for which preventive maintenance of pumps, valves, pipelines are required. Proper maintenance of mechanical seals of pumps and valves shall be given. A preventive maintenance schedule for each unit shall be prepared and adhered to. Fugitive emissions of HC from product storage tank yards etc. must be regularly monitored. Sensors for detecting HC leak shall be provided at strategic locations.	 LDAR Programs is implemented in existing refinery and same shall be extended to new facilities under this project. Preventive maintenance of mechanical seals is undertaken periodically. Fugitive emission of hydrocarbon from tank farm is being regularly monitored in the existing Refinery. This program will be extended to new facilities once commissioned. Preventive maintenance schedule is drawn for all the units as per OISD and other statutory guidelines. HC detectors have been considered during detail engineering and accordingly installed at site.

V,	SO ₂ emission after expansion from the plant shall not exceed 525 Kg/hr and further efforts shall be made for reduction of SO ₂ load through use of low Sulphur fuel. Sulphur recovery units shall be installed for control of H ₂ S emissions. The overall Sulphur recovery efficiency of Sulphur recovery unit with tail gas treating shall not be less than 99.9%.	Low Sulphur fuel has been considered for firing in heaters and boilers. SO ₂ emission after expansion from the plant shall not exceed 525 Kg/hr.	
vi.	As proposed, record of Sulphur balance shall be maintained at the refinery as part of the environmental data on regular basis. The basic component of Sulphur balance include Sulphur input through feed (Sulphur content in crude oil), Sulphur output from Refinery through products, byproduct (elemental Sulphur), atmospheric emissions etc.	Noted	
vii.	Flare gas recovery system shall be installed.	Flare gas recovery system is already in operation in the existing Refinery.	
viii.	Ambient air quality monitoring stations, [PM ₁₀ , PM ₂₅ , SO ₂ , NO _x , H ₂ S, mercaptan, non-methane-HC and Benzene] shall be set up in the complex in consultation with Maharashtra State Pollution Board, based on occurrence of maximum ground level concentration and down-wing direction of wind. The monitoring network must be decided based on modeling exercise to represent short term GLCs.	Refinery has 3 operational ambient air quality monitoring stations within the premises.	
ix.	The freshwater requirement from BMC after expansion of proposed project shall not exceed 538 m³/hr and prior permission shall be obtained from the competent authority.	MREP/MoEFCC/02 dated October 24, 2019	
х.	As proposed, Industrial effluent generation shall not exceed 178 m³/hr after proposed expansion and treated in the integrated effluent treatment plant. Treated effluent shall be recycled/reused within the factory premises. Domestic sewage shall be treated in sewage treatment plant (STP).	Reference is made to the HPCL's letter no. MREP/MoEFCC/02 dated October 24, 2019 submitted to the Member Secretary MoEFCC (kindly refer Annexure - I). Under clause/notification 7 (ii)(b) of MoEFCC notification S.O. 3518(E) dated November 23, 2016, HPCL has intimated MoEFCC regarding change in	

		water consumption and effluent generation from the expansion project. The total water effluent generation post revamp will be 250 m³/hr. This increase in effluent generation is due to incorporation of detail engineering numbers and HPCL's water conservation initiative. Existing ETP is adequate for the same.
xi.	Automatic mechanical oil catchers/oil traps shall be provided at all possible locations in rain/storm water drainage system inside the factory premises.	Automatic mechanical oil catchers are already in place in the existing Refinery.
xii.	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESR) based on Public Hearing issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bangalore (Nagpur).	Though ESR activities are being taken up, HPCL had also requested for reconsideration of ESR amount. Various ESR activities through Projects have been undertaken such as deployment of traffic wardens in the vicinity of Refinery for traffic management, observance of swachhata pakhwada and organization of vaccination camps. Kindly refer Annexure – II for details.
B. Ger	neral Conditions	
î.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board(SPCB), state Government and any other statutory authority.	Noted
ii.	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 to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted
iii.	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.	Refinery has 3 operational ambient air quality monitoring stations within the premises.

iv.	The national Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16 th November, 2009 shall be followed.	R. No. 826 (E) dated 16 th	
V.	The overall noise levels in and around the plant area shall be kept within the standards 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).		
vi.	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.	Some of the buildings are equipped with rainwater harvesting to recharge the ground water.	
vii.	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.	Complied	
viii.	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.	Will be complied. Kindly refer Annexure –II and Point No. 9 of the data sheet which is part of this compliance report.	
ix.	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.	Refinery premises. Various CSR activities are	
X.	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 – II for details.	
		Green belt development is undertaken at MR-II project site which is adjacent to the Refinery.	

xi.	A separate environment management cell with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	A separate environment management cell and a laboratory to carry out the environmental management and monitoring functions is operational.	
xii.	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 for environment management/ pollution control measures shall not be diverted for any other purpose.	Noted. Kindly refer Point No. 9 of the data sheet which is part of this compliance report.	
xiii.	A copy of clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations if any, were received while processing the proposal.		
xiv.	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.	conditions is submitted regularly and also posted on HPCL website.	
xv.	The environmental statement for each financial year ending 31st 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.	

xvi.	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 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 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.	Advertisement regarding grant of Environmental Clearance was published on February 28, 2017 in Times of India in English. Published on March 1, 2017 in Navbharat Times in Hindi and Maharashtra Times in Marathi. Kindly refer Annexure- IV
xvii.	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. Project start date is November, 2017. Consent to Establish received from Maharashtra Pollution Control Board 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 approved by MPCB. Project is under commissioning.

Compliance of Environmental Clearance conditions (Green Fuels and Emission Control at Mumbai Refinery- H P C L, Mumbai)

(Vide F. No. J-11012/1/2002-IA-II(I) dated April 10, 2003 by Ministry of Environment & Forests, GOI)

B. Specific Conditions

S. No.	Particulars	Compliance Status	
Ĭ.,	Reduction in the gaseous emission from the existing level (SO2) from 13.5 to 12.6 TPD and NOx from 6.5 to 5.9 TPD.	Complied	
ii.	Comprehensive waste water management system and recycling and reuse of treated effluent so that the total treated effluent should not exceed a maximum of 165 m3/hr.	Total treated effluent has been revised in subsequent ECs. The effluent from all the process units is being treated in the Refinery ETP. The 70 % treated effluent is being recycled to DM plant as feed and rest is recycled back to the fire water system.	
iii.	Disposal of hazardous DeSOx sludge at TSDF developed by M/s Mumbai Waste management Limited, Taloja.	F HPCL-Mumbai refinery is a member of	
iv	Replacement of existing LPG storage facility with mounded LPG storage.	Horton spheres have been dismantled and mounded LPG storage is being used.	
V.	The fresh water consumption should be pegged at the current level of 300 m3/hr. even after the proposed modernization. The additional water required, if any, should be met through recycling/reuse of treated effluent.	Recycling/reuse of treated effluent is the secondary source of Process Water (70% of the treated effluent is being recycled). Thereupon Fresh water levels have been revised in subsequent ECs. However, water is consumed as per the current valid EC.	
vi.	All recommendations made in the Risk analysis report should be complied with during design, construction and operation stages to contain the risk within the plant boundary. As stated earlier, LPG/Propane must be stored in mounded bullets only. Existing Horton spheres in this regard must be dismantled.	have been complied with. Horton spheres have been dismantled and mounded LPG storage is commissioned.	
vii	No further expansion or modification in the project shall be carried without prior permission of this Ministry.	Project is executed as per the granted EC. And unit is being operated as per the valid CTO.	
viii.	Implementation of the project vis-a-vis environmental management/risk mitigation measures should be reported to the Ministry/Regional Office/State Pollution Control Board regularly on a six monthly basis.	Project is implemented and subsequent Consent for First Operate is amalgamated with existing refinery Consent To Operate. Environment Statement and other statutory compliances are being filed as mandated.	

Compliance of Environmental Clearance conditions (Setting up of Diesel Hydro treating facilities at Mumbai Refinery- H P C L, Mumbai)

(Vide F. No. J-11011/415/2008-IA-II(I) dated September 04, 2009 by Ministry of Environment & Forests, GOI)

C. Specific Conditions

S. No.	Particulars	Compliance Status
i.	M/s HPCL shall comply with the stipulations made in the environmental clearance accorded by the Ministry for the existing plant.	Complied. This report is submitted as EC conditions compliance report.
ii.	M/s HPCL shall comply with new standards/ norms for Oil Refinery Industry notified under the Environment (Protection) Rules, 1986 vide G.S.R. 186(E) dated 18th March 2008.	Complied
iii,	The project authorities shall submit a feasible plan which will be followed to ensure that SO2 emission from the refinery does not exceed the stipulated figure of 12.6 TPD at any time.	Complied
iv.	Flue gas desulphurization on FCC shall be installed.	Flue Gas Scrubber Unit (FGSU) has been installed in both the FCCUs and is in continuous operation.
V	All equipment and construction being carried to and from the refinery should be done in such a manner as not to create traffic congestion.	Complied during the construction phase. Project is completed and commissioned.
vi.	The process emissions (SO2, NOx, HC, VOCs and Benzene) from various units should conform to the standards prescribed by the Maharashtra Pollution Control Board from time to time. At no time, the emission levels should go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the unit should be immediately put out of operation and should not be restarted until the desired efficiency has been achieved.	There are no open Process vents from where emissions (SO2, NOx, HC, VOCs and Benzene) are emitted. The fugitive emissions from the components are monitored, measured and attended as per the third party LDAR program covering whole of Refinery.
vii.	Ambient air quality monitoring stations, [SPM, SO2, NOx, H2S, Mercaptan, NMHC and Benzene] should be set up in the Refinery complex in consultation with SPCB, based on occurrence of maximum ground level concentration and down-wind direction of wind. The monitoring network must be decided based on modeling exercise to represent short term GLCs. Continuous on-line stack monitoring equipment should be installed for measurement of SO2, NOx, CO and CO2. Low NOx burners should be installed with online analyzers.	Presently, 3 nos of AAQMS monitoring stations are in service for monitoring of PM2.5, Sox, NOx, CO, PM10, Ozone, Benzene, NH3, H2S, HC and Mercaptan. This data is also uploaded on MPCB as well as CPCB server. On line Stack monitoring analyzers for SOx, NOx, CO & PM are provided for every stack in the refinery.
viii.	The proponent shall upload the status of compliance of the stipulated EC conditions, including monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant namely; SPM, RSPM, SO2, NOx (Ambient levels	MR-II Tankage project and Mumbai Refinery Expansion project compliance status of EC conditions are uploaded on the company website. All the Criteria

_	as well as stack emissions) VOC and HC, indicated for the project shall	Pollutant data is displayed for
	be monitored and displayed at the convenient location near the main gate of the Company in the public domain.	general public viewing on the LED screen, real-time basis at the Main Gate of the Company.
ix.	Monitoring of fugitive emissions should be carried out as per the guidelines of CPCB by fugitive emission detectors and reports should be submitted to the Ministry's regional office at Bhopal. For control of fugitive emission all unsaturated hydrocarbon will be routed to the flare system and the flare system should be designed for smoke less burning.	Yearly Leak detection & repair programme for various units of the refinery is in place for monitoring of fugitive emissions. Flare gas recovery compressor is installed for recycling it to Fuel Gas System.
X.	Fugitive emissions of HC from product storage tank yards etc. must be regularly monitored. Sensors for detecting HC leakage should also be provided at strategic locations. The company should use low sulphur fuel to minimize SO2 emission. Sulphur recovery units should have efficiency of 99.5 %. Leak Detection and Repair programme should be implemented to control HC/VOC emissions. Work zone monitoring should be carried out near the storage tanks besides monitoring of HCs/VOCs in the work zone.	Fugitive emission from product storage tanks is controlled by way of providing primary as well as secondary seals. LDAR program is conducted in the refinery throughout the year. Work zone monitoring near storage tanks are being conducted for checking VOC. Our both SRUs are coupled up with Tail Gas Treating Unit. Hydrocarbon detectors are placed at strategic locations throughout the Refinery. Low sulphur fuel is optimized by replenishing with Natural gas.
xi.	The waste water should be treated in the waste water treatment plant and the treated effluent should meet the prescribed standards. Efforts should be made to recycle the treated effluent to achieve zero discharge.	The effluent from all the process units is being treated in the Refinery ETP. The 70 % treated
7		effluent is being recycled to DM plant as feed and rest is recycled back to the fire water system.
xii.	The project authorities must strictly comply with the rules and regulation with regard to handling and disposal of Hazardous Wastes (Management, Handling and Trans Boundary Movement) Rules, 1989/2003/2008 wherever applicable. Authorization from the State Pollution Control Board must be obtained for collections/ treatment/ storage/disposal of hazardous wastes.	Provisions under Hazardous Waste Management Rules are being complied. HPCL-Mumbai refinery is a member of CHWTSDF located at Taloja and hazardous waste is being regularly disposed off to this facility.
xiii.	The company should strictly follow all the recommendation mentioned in the charter on Corporate Responsibility for Environmental Protection (CREP) for the oil refineries.	Charter of CREP is being complied.
xiv.	The Company should take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. At place of ground flaring, the overhead flaring stack with knockout drums should be installed to minimize gaseous emissions during flaring.	Preventing fire hazards, containing oil spills and soil remediation programs are in place. Flare stack with knockout drums is operational.
XV	To prevent fire and explosion at Oil and Gas facility, potential ignition sources should be kept to a minimum and adequate separation distance between potential ignition sources and flammable material should be in place.	OISD guidelines on distance criteria are being adhered.

xvi.	Occupational health surveillance of worker should be done on a regular basis and records maintained as per the Factory Act.	Complied.
xvii	Greenbelt should be developed to mitigate the effect of fugitive emission all around the plant in a minimum 25% plant area in consultation with DFO as per CPCB guidelines.	Complied.
cviii.	The Company should undertake measures for rain water harvesting to recharge the ground water and minimize fresh water consumption.	Surface drain rain water harvesting reservoir has been constructed including ground water recharging through roof top rainwater harvesting.
xix.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Housing of construction workers is in the scope of Contractors. Project is completed and commissioned.
B. Gen	neral Conditions	
i.	The project authorities must strictly adhere to the stipulations made by the concerned State Pollution Control Board (SPCB) and the State Government and any other statutory body.	All the stipulations as made by SPCB is being complied and adhered to.
ïi.	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.	Project is executed as per the granted EC. And unit is being operated as per the valid CTO. Expansion of GFEC is granted as per EC for MREP-1.
iii.	At no time, the emissions shall go beyond the prescribed standards. In the event of failure of any pollution control system, the respective facilities should be immediately put out of operation and should not be restarted until the desired efficiency has been achieved. Provision of adequate height of stack attached to DG sets & flare is to be done.	Complied
iv.	Waste water shall be properly collected and treated so as to conform to the standards prescribed under EP Act & Rules and mentioned in the Consents provided by the relevant SPCB.	Waste water is collected and treated in Effluent Treatment plant and conforms to the standards prescribed under EP act and Rules.
V ,.	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).	Complied
vi.	The project authorities must strictly comply with the 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, if required. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.	Complied
vii.	The project authorities will provide adequate funds as non-recurring and recurring expenditure to implement the conditions stipulated by the	Complied.

	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 should not be diverted for any other purposes.	
viii.	The company shall develop rain water harvesting structures to harvest the run-off water for recharge of ground water.	Rainwater harvesting reservoir for usage of rainwater has been constructed having capacity of 50000 KL. Ground water recharging is also undertaken and completed through roof top rainwater harvesting at various locations inside the refinery premises.
ix.	The stipulated conditions will be monitored by the concerned Regional Office of this Ministry/ Central Pollution Control Board/ State Pollution Control Board. A six monthly compliance report and the monitored data should be submitted to them regularly. It will also be displayed on the Website of the Company.	Six monthly report is attached herewith. Report is uploaded on Company website.
X.	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 the SPCB.	Six monthly report is attached herewith.
xi.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations if any, were received while processing the proposal. The clearance letter shall also put up on the website of the Company by the proponent.	Complied
xii.	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.	Complied
xiii.	The environmental statement for each financial year ending 31st 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 the MoEF by e-mail	Environment Statement in Form-V is submitted online as mandated.
xiv.	A separate environment management cell with full-fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of a Senior Executive.	Environment Management Cell is fully functional in the refinery. In house NABL approved Lab for various analysis is in operation.

	The project authorities shall inform the Regional Office as well as the	Approval: 05-03-2009
XV.	Ministry the date of financial closure and final approval of the project by	Date of Commissioning: October
	the concerned authorities and the date of start of the project	2013
		Financial Closure December
		2014



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. खी. पाटील मार्ग, माहूल, 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

> Letter ho!: MREP/MoEFCC/02 Received 1000 tober 24, 2019 AL THE PROPERTY OF THE PARTY OF

road, Aligani

To.

The Member Secretary (Industry-II), Ministry of Environment, Forest and Climate Change (MOEFCC), Room No. 302, Vayu Wing, 3rd Floor, Indira Gandhi Parayavaran Bhawan Jor Bagh Road New Delhi - 110003

0 X/2/1/19

क्रिकान सड़, जन्म क

Sub: Intimation to MoEFCC regarding change in water consumption and effluent generation from proposed expansion of Mumbai Refinery from actual 7.5 MMTPA to 9.5 MMTPA of crude capacity and installation of Propylene Recovery Unit (PRU) and Revamp of Captive Power Plant (CPP) of M/s Hindustan Petroleum Corporation Ltd at Mumbai Refinery (File no. J-11011/413/2014-IA II (I)).

Reference: 1) Environmental Clearance Letter File no. J-11011/413/2014-IA II (I) dated January 21, 2017.

> 2) HPCL's letter dated July 17, 2018 with subject "Intimation to MoEFCC regarding change in project configuration for Proposed Expansion of Mumbai Refinery from actual 7.5 MMTPA to 9.5 MMTPA of crude capacity and installation of Propylene Recovery Unit (PRU) and Revamp of Captive Power Plant (CPP) of M/s Hindustan Petroleum Corporation Ltd at Mumbai Refinery (File no. J-11011/413/2014-IA II (I)) under clause/notification 7(ii) (b) of MoEFCC notification S.O. 3518 (E) dated November 23, 2016.

Dear Sir,

This has reference to the Environmental Clearance (EC) letter dated January 31, 2017 for proposed expansion of Mumbai Refinery from actual 7.5 MMTPA to 9.5 MMTPA of crude capacity and installation of Propylene Recovery Unit (PRU) and revamp of Captive Power Plant (CPP) of M/s Hindustan Petroleum Corporation Ltd. at Mumbai Refinery (File no. J-11011/413/2014-IA II (I)).

At the time of preparation of 'Feasibility Report' and 'Environment Impact Assessment', the policy regarding implementation of BS V/VI was deliberated in the country. However, no policy was firmed up. Hence, in anticipation, the project was initiated for part BS-IV and part BS-V/VI MS production. The directive of BS-VI implementation of both MS and HSD across the country from April 1, 2020 was subsequently announced by GOI on January 6, 2016 and Notification regarding the same was issued on February 19, 2016. This necessitated changes in project configuration to meet 100% BS-VI quality of MS.

As per MoEFCC notification S.O. 3518 (E) dated November 23, 2016 under point no. 7(ii)(b), the project proponent shall inform the Ministry of Environment, Forest and Climate Change (MoEFCC), if there is any change in configuration of the plant after detailed engineering. In view of this, intimation letter was submitted to MoEFCC on July 20, 2018.

Therefore, as per MoEFCC notification S.O. 3518 (E) dated November 23, 2016 under point no. 7(ii)(b), HPCL takes this opportunity to appraise you that post detailed engineering there has been change in fresh water requirement and effluent feed to existing IETP as was submitted during Environment Clearance.

Please find below tabular comparison of fresh water requirement and effluent generation as per EC and Post Detailed Engineering:

	As per EC in m3/hr	Post Detailed Engineering in m3/hr	Change in m3/hr
Additional Fresh water	112	168	Increase of 56 m3/hr
Total Effluent to existing IETP	178	226	Increase of 48 m3/hr

The additional fresh water will be sourced from Municipal Corporation and additional effluent generated will be treated in existing IETP which is designed for 300 m3/hr.

HPCL in its water conservation endeavor is in the process of developing a scheme to treat existing DM Plant Neutralizing Pit effluent which is around 25-30 m 3 /hr. in the existing ETP. This will increase ETP feed to around 250 m 3 /hr. (increase of 72 m 3 /hr. over EC value) which is still within the design feed rate of 300 m 3 /hr.

From the above, it is evident that:

- 1. There is no change in the overall crude processing capacity of 9.5 MMTPA.
- 2. Total pollution load will remain within existing limit.
- 3. There is no change in number of products from the refinery.
- 4. Existing ETP is already designed to handle increased effluent load with ZERO liquid discharge.

Basis on the above, we request you to kindly accept this letter for your necessary record and further perusal for Proposed Expansion of Mumbai Refinery from actual 7.5 MMTPA to 9.5 MMTPA of crude capacity and installation of Propylene Recovery Unit (PRU) and Revamp of Captive Power Plant (CPP) of M/s Hindustan Petroleum Corporation Ltd. at Mumbai Refinery (File no. J-11011/413/2014-IA II (I)) under point no. 7(ii) (b) of MoEFCC notification S.O. 3518 (E) dated November 23, 2016.

With Warm Regards,

Kamalakar R Vikhar

Chief General Manager - Projects

Mumbai Refinery - HPCL

ANNEXURE-II

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



हिन्दुरतान प्रेट्रोलियम कॉर्पोरेशन लिमिटेड

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

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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

Date: 2nd March, 2017

To,

The Assistant Municipal Commissioner, Municipal Corporation of Greater Mumbai, M/E Ward office building, Govandi (W), Mumbai-400043

Sub: Information regarding grant of Environmental Clearance to Hindustan Petroleum Corporation Limited (HPCL) Mumbai Refinery.

Dear Sir/Madam,

We wish to inform you that HPCL Mumbai Refinery has received Environmental Clearance (EC) from Ministry of Environment, Forest and Climate Change (MoEF&CC) via letter dated 31st January, 2017 for proposed expansion of Mumbai Refinery from 7.5 MMTPA to 9.5 MMTPA crude processing capacity. Copy of the above mentioned EC letter is attached for your information.

With warm regards,

ह ने जिस महाने प्रमुख विभाग कृतने जिस महाने प्रमुख विभाग 7 MAR 2017। 4 6 8 2 6 AEM

Very truly yours,

ESP SP

Anil Kumar Ranjan

DGM (I/C)-Projects

Mumbai Refinery-HPCL

Attachment: Environmental Clearance letter dated 31st January, 2017.



हिन्दुरतान प्रेट्रोलियम कॉर्पोरेशन लिमिटेड

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

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To,

The Sub-Regional officer, Mumbai-III, Maharashtra Pollution Control Board, Raikar Chambers, 'A' Wing, 216, 2nd Floor, Deonar gaon Road Govandi (E), Mumbai 400088

Sub: Information regarding grant of Environmental Clearance to Hindustan Petroleum Corporation Limited (HPCL) Mumbai Refinery.

Dear Sir/Madam,

We wish to inform you that HPCL Mumbai Refinery has received Environmental Clearance (EC) from Ministry of Environment, Forest and Climate Change (MoEF&CC) via letter dated 31st January, 2017 for proposed expansion of Mumbai Refinery from 7.5 MMTPA to 9.5 MMTPA crude processing capacity. Copy of the above mentioned EC letter is attached for your information.

With warm regards,

Very truly yours,

GOWEN MANNEN - NOTES

DGM (I/C)-Projects Mumbai Refinery-HPCL

Anil Kumar Ranjan

Attachment: Environmental Clearance letter dated 31st January, 2017.

यादों के चिराग

पति : जीममाकास अवकास पुत्र-पुत्रसम् । पुत्र-पुत्रसम् । पुत्र-पुत्रसम् अवकास-पुत्री-सामाव : मजुला-प्राम्बस्य अवकास-स्त्रीता-विजय अवकास-स्त्रीता-विजय अवकास-स्त्रीत-विजय-असिक अवकास-प्रस्त्रसम्-असिक स्त्रीयस्य प्रस्ति सामाव-असिक स्त्रीयस्य प्रस्ति सामाव-स्त्रिकेस स्त्रीयस्य प्रस्ति सामाव-स्त्रिकेस स्त्रीयस्य प्रस्ति सामाव-स्त्रिकेस स्त्रीयस्य

श्रद्धा-सुमन

आकरिमक निधन



जीवितती, उस - अ पुतारा अध्ययकार, यन कर । कादि १६, १२, १०१० १० को हुआ करकी प्राचीन सभा दि १०० १०१७ १० कार को एकी नवी है -: स्थान :-शुभानेगल जील, नेहबरीह, स्टेशन के पास, वीवियरणी पूर्व

समय - ११ से १ बजे तक

• भूगुत्र • रेशा,स्व भरत, अर्गविद, जये • पुत्रवपु • वेमातना, पीजा, जिल्ला • नरेद-नेनदोर्च •

प्य मनरोबाई स्थ उदयवंदजी प्य प्रेशीबाई स्य राजनपत्तनी स्य मुखीबाई स्व लक्ष्मीचंदजी • पुत्री-लमाई • भारती मुभावजी परमार अनिता मनोक्तजी बोळाडिन प्रविला दिनेशकी पेटता

स्वीवना दिश्यको केला पीम पीजवाँ भावक नेता, विकास पीक्षे नेता, विकास पीक्षे नेता, विकास भावक नेता, विकास पीक्षे नेता केला नेताका पिक्षमानी पान्या भीविक त्रीवती पित्रक त्रीवती प्रकास नेता प्रक

मृत्यु की सूचना

पार्थना सभा



ख. मिठालालजी बरतीमलजी जैन पुनमिया सादडी (राज.) हाल परेल निवर्त्ती, उक् ७० का अरिहत

बुधवार दि. 13,2017 को, सुबह ११ बने से 1 बने तक स्थान: बोरी समाबृह, स्वामीनस्थण महीर के परम, दाटर (ईस्ट), सुंबई - १४ में रुखी गई है।

धर्मपत्नीः बीनवी लशित बेन भाई-भागीः

बाई-बाबी देवलपंदर्ग - लेलबेब, जववित्वसर्ग - सुराबेब, विमलपंदर्ग - सम्बद्धी बेब

बहम बहनोई: गुणर्वती कनकराजनी बफन कविवा किरमजी गर्दिय नयस्त्रम् प्रमोदनी दहारि पुत्र-पुत्रवयुः रावेशः शीवतः, विरोधः शिवपा

मतीनः मदोरा, गरेरा, दिपेरा, विकेश, भी-नगर्छ। रेखा दिनको राज पीत्र-पीत्रीः

श्रातक, वृति, कृष, धीर स्रमुक्ता पष्टाः स्य. गुजातकरी यातवंदर्जी सेवत (सदरी हाल इरोड) निवासी, पुनः अमृतस्य , चंद्रकात पर्व समस्य मेरवा परिवार



स्व. भारती धनेशकुमार गेहना उम्र-४२ वर्ष चैमाव निकरों / बर्य दि. 27/02/2017 को हुआ है। (क्वर्शवास- ०२.०३.२००७) (श्वर्गवास - 0१, ०६ चंद्रल में चुराबु सवा गर्दे आए हमारे प्रेलों में बहरे खें जातियांस बनावार महत्वरों गर्दे चार कमा स्वाभीत थें, चुन्हेंस्कारों की दुन्हों बनी खें,

DESTRUCTION दि. ०१/७३/२०१७, बुधकर तुब्ह ११ वर्जे से १ वजे तक

देव बहिन्स सील, 60 पृति टोड, मार्वाद बेस्ट प्रति वनेश्रपुगार गेरव साल क्लूड प्रस्मावेन विस्ति वनेश्रपुगार गेरव विस्ति वन्ति प्रति क्लूडिंग वेदर देवतनीः आता मुक्तेश , सूरेका अन्ति

नगर-वर्धके ग्रेज प्रश्नकार में पूर्णिय नगरन राजियापार में मार्थी रांग करमुरामी मार्थी मुक्त विकार, पूरी बाह्य-वर्धके प्रथम, मार्थी, मेर्थ क्टाप्त मार्था प्रयाद प्रथम प्रार्थकार करावार मार्था प्रथम कर्मिक्ट मेर्थ प्रथम प्रार्थकार विवार में

नैनं क्रिक्टिंग सरकारि नैनं खारि पास्कः । ए कैर्न क्लेक्टरनाई न बोस्टरि गास्ताः ।।

दु:खद निधन

श्री मोहनलाल ढांढनियाँ

तास वि. २७ फारवरी २०१७ को हो रजा है ।

का क्लांगत है, 10 कारों रूप को हो जा है। सार्वेद स्थान : मार्वेद रूप के राज्ये रूप के राज्ये कारा - वेदण के राज्ये रूप के राज्ये कारा - वेदण के राज्ये कार्योक्त हैं सीवार प्रीक्ष प्रदेश के राज्ये कोवी (१९, वृद्ध = 5 sees) होत्राहुक सीवी कार्यों की (कार्य) पुरस्कार कुछ कार्यों के पुरस्कार कुछ कार्यों पुरस्कार कार्यों के स्थान

कपिल होंगे कॉफी विद करण के आखिरी गेस्ट



हिं र स्टार को अपने सवालों से प्रेरने वाले कपिल शर्मा जल्द ही करण जीहर के सवालों का जवाब देंते नजर आएंगे। करण जीहर के चैट शो कांधी दिव करण का नमा प्रोमो आया है, जिसमें कपिल शर्मा, करण जीहर के साथ नजर आ रहे हैं। हालाँकि, कपिल के इस शो पर आने को ले करित के इस गों पर आगे को ले कर कई तरह की खबरें आ दरी थीं। अफवाह थीं कि यह एपिसोड ड्रॉम हो नया हैं। वहीं चैनल पर इस एपिसोड का प्रोमी दिखा जाने के बाद बह साफ हो गया है कि कफिल इस गों में शिरकत करेंगे। प्रोमी देखने में काफी दिलवस्प लग रहा हैं। याना जा रहा है कि कफिले विद करण का यह एपियोड काफी महेनल होगा। प्रोमी में एपिसोड काफी मजेदार होगा। प्रोमी में कपिल शर्मा अपनी इंग्लिश को लेकर मजाक करते हुए नजर आ रहे हैं। कपिल कहते हैं कि उनकी डिक्शनरी ਜੋ ਵੱਧਿਕਾ ਕੇ 700 ਸਕਾ ਵੀ ਵੈ। ਕੇ

हिंदी में किया जाए। इसके बाद करण उनसे पिछले साल बीएमसी से जुड़े मुद्दे पर सवाल करते हैं, जिस पर कपिल मजाकिया अंदाज में कहते हैं कि जिस तरह लोगों को कहा जाता है कि प्लीज शराब पीकर गाडी न चलाएं उसी तरह लोग शराब पीकर टवीट से इंग्लिश फिल्म 'फॉल्ट इन अवर स्टार्स' को हिंदी में ट्रांसलेट करने को कहा तो कपिल ने कहा, 'शाहरुख खान की गलती'। यह एपिसोड 5 मार्च 2017 को टेलिकास्ट होगा। साथ माय 2017 का दाराकार का जैट शो का ही यह करण जीहर के चैट शो का

FILMFARE TUDORIUM

ग्लासगो फिल्म फेस्टिवल में छाई

'लिपस्टिक अंडर माई बुर्का' काश हा को फिल्म 'तिपारिटक अंडर मार्ड कुको' जहां पारत में सेसर बोर्ड का मुस्सा होल रही है, वहीं 'यह फिल्म अंतर्गरहीम स्तर पर पुरस्तार कटोरों में सभी हुई है। अलंकृत अंकितरव के लिटेंकन में बजी 'तिन्यरिटक अंडर मार्ड कुक्ष' को म्लासार्ग इंटरनेमान फिल्म फिल्मक्त में तीनसे अनुअल अंडिएंस अर्थाई से नवाजा गया है। अलंकृत हम अर्थाई से नवाजों को से काशी हुआ है, उत्सरकर ऐसे सकत में जब भारतीय सेसर बोर्ड के फिल्म को अर्थस्थार्थ बताते हुए अर्थिकेट देने से मना कर दिया है। अलंकृत के मृत्या के किए किए किला किलानी स्तर्ग हों है। 'तिपारिटक अंडर मार्ड कुला हों है। 'तिपारिटक अंडर मार्ड कुला हों है। 'तिपारिटक अंडर मार्ड कुला के अर्थाई में महत्या के प्रस्तार्थ के त्रितार्थ के त्रस्तार्थ के

नवाजुद्दीन ने बॉलिवुड अवॉर्ड फक्शन को लताडा

बाजुद्दीन सिद्दीकी सोशल मीडिया पर कम ही नजर आते हैं। ऐसे कम ही मौके आते हैं जब उन्होंने सोशल साइट्स पर अपनी बात रखी हो। पिछले दिनों हए 89वें अकैडमी अवॉडर्स के बाद नवाजद्दीन ने फेसबक पेज पर बॉलिवुड अवॉर्ड फंक्शन को जमकर लताड़ लगाई। दरअसल, ऑस्कर अवॉर्ड में लीजेंड एक्टर आस्कर अवाड म लाजड एक्टर ओमपुरी को याद किया गया। ऑस्कर समारोह में उन्हें याद करते हुए श्रद्धांजलि दी गई। वहीं बॉलिवुड के किसी भी अवॉर्ड फंक्शन में ओमपरी को याद नहीं किया गया। नवाजदीन ने अपने फेसबुक पेज पर लिखा, ऑस्कर अकडमी ने ओमपरी को श्रद्धांजलि दी, लेकिन बॉलिव्ड

के अवॉर्ड फंक्संस में किसों ने उनके स्रोगतन के बारे में एक राष्ट्र भी नहीं कहा। ऑक्स्ट आर्डि के दीना जीआपूरी को स्थादिक दीना जीआपूरी को स्थादिक एक्टर के तीर पर याद किया गया। बता दें कि आपूरी के "सार्विक्ट किस्स भीता" और "प्रार्किय में काम किया था, निक्तें आज भी केविन फिल्मों में सुमार किया जाता है। नवाइहीन ने ओमापूरी के साथ फिल्म करनेंगी माईना में आमा किया बजरंगी भाइजान में काम किया था और उनको आने वाली फिल्म मांटो में भी वो उनके साथ काम

ओमपुरी की मौत हो गई।

रिलीज हुई 'बाहुबली' की ग्राफिक नॉवेल

फि ल्म 'बाहुवली: द कनक्लूजन' का इंतजार हर कोई कर रहा है। दो साल के वाद बोई कर ला है। हो साल के बाद दर्शनों को इस सवाल कर जवाब मिलेगा कि अधिक कटणा ने बाहुबली को बयो मारा था? हाल हो में फिल्म का मोरान भीस्टर रिलोज किया गया, जिसे लोगों ने बहुत पसंद किया है। भीस्टर में प्रभार एक हाजी के कपर बाई नजर आ रहे हैं। भीस्टर देखने के बाद लोगों में फिल्म देखने की उत्पुक्ता बढ़ माई है। भीस्टर के बाद किया किया की में फिल्म देखने की फिल्म निर्माताओं ने अब फिल्म की ग्राफिक नॉवेल रिलीज किया है। आक्ष्य नायरा रहिता विक्रम है। बाहुबली और भल्ला देव के किरदार लोगों के वीच इतने प्रसिद्ध हैं कि फिल्म के ग्राफिक नॉवेल को रिलीज किया गया है। बाहुबली: बैटल



ऑफ द बोल्ड नाम से आए इस नॉवेल को लोग अपने मोबाइल पर फ्री में डाउनलोड कर सकते हैं। इस नॉवेल के क्षेत्रीय वर्जन भी रिलीज किए जाएंगे। बाहुबली के पहले भार को लोगों ने बहुत पसंद किया था। यह फिल्म भारतीय सिनेमा की आज तक की सबसे बड़ी हिट फिल्मों में तिक की सबस बड़ा हट जिल्ला न से एक हैं। 'बाहुबली: द कनक्लूजन' 28 अप्रैल 2017 को रिलीज होने जा रही हैं।

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उं निविदा सूचना (अमोडो को जान केंद्रीय अवदी चंग्यकेंद्र के काम से मा

(भारत प्रकार का उद्यम) मेरदूत प्रोच्यानंत्रप्र आर्मिड्य क्यांक्टिंग भेगदन क्युक्तिमा, ७ वां तत, एन इस जीती वर्ग, तीद्या प मन्दर्द कर २११, व्यांच २००० १३४३४४४४ (३४४४४४४ १)



शेखर का

इशारा कंगना तो नहीं शेखर सुमन के बेटे अध्ययन और कंगना रनौत

के रिलेशनशिप की बात किसी का बात किसा से छिपी नहीं हैं। अध्ययन ने तो कंगना पर कोकीन तक लेने का आरोप लगाया

का आरोप लगाया है। कुछ ऐसा ही अध्ययन के पिता शंखर सुमन के ट्वीट के जिए देखने को मिल रहा है। शंखर ने ट्वीट किया, जिसमें कंगना का नाम लिए बिना लिखा कि 'कोकीन का सेवन करने

का सेवन करने

अपने नामौजद स्टारडम को हो

वाली एक एक्टेस

रही थी। वह अपन

मुह के बल गिरी है और देखिए कैसे।

यह एक तरह का न्याय है। शेखर

सुमन ने भले इस टवीट में किसी का

द्वीट में किसी का नाम न लिखा हो लेकिन द्विटर में लोगों को यह तय करने में देर न लगी कि यह द्वीट कंगना रनौत के लिए किया गया है।

श्रद्धा हैं

आमिर से इस्पायर्ड

के प्रति जिम्मेदार

आर्टिस्टिक, सहासी

और समाज के लिए

जिम्मेदार शख्स

हैं। इसके अलावा

जव जनसे अमिता

बच्चन और शाहरुख बच्चन आर शाहरुख खान के वारे में पूछा गया तो उन्होंने बिग बी को सुपरस्टार की परिभाषा और

शाहरुख को द किंग बताया। साथ ही उन्होंने बचपन के

सिल्वर स्क्रीन पर वापसी करेगी बच्चन फैमिली के बाद तीनों ने सरकार राज में भी अपनी एकिटंग से दर्शकों को याहवाड़ी पाई थी। खबर है कि एक बार फिर से तीनों साथ एक्टिंग करते नजर आएँग। तीनों एक्टर्स को गोरांग दोषी डायरेक्ट करेंगे। फिल्मा का नाग है हैयाँ एमिनसिसेंगे। हालांकि,

के स की हमेशा से ख्वाहिश रही हैं कि वे बच्चन फैसिली को सिल्बर रफ़ीन एकसाथ देखें। अमिसाभ बच्चन से लेकर उनकी पत्नी जया बच्चन, बेटे अभिषेक और बुद्ध ऐश्वर्या सब आज भी सिल्बर बट जानभर आर बेंदू एटबरा पड़िया जा मा सारापर रक्तीन पर एकिट हैं। 2005 में आई बाद अली की फ़िल्म बंदी और बबली में विगी बी, जूनियर बच्चन और उनकी बाइफ ऐस्वर्धी एकसाध एक्टिंग करते नजर आए थे। उस सकत फिल्म के गाना कनवारे-कन्नारे पर तीनों का धमाकेदार डांस परफॉर्मेंस दी बी। इस फिल्म

अभी तक इस खबर पर किसी जना राज इस खबर पर जिसा तरह का ऑफिशल स्टेटमेंट नहीं दिया गया है। उम्मीद है जल्द ही इसकी घोषणा की जाएगी।

प्रशास वार्यामा पूचना (एनावास्ट्री)
पहिला वार्यामा पूचना (एनावास्ट्री)
पहिला वार्यामारी, संबं सी ट्रंटर प्राय सोच्य जी वार्या मान्य मिक्ट्रकारी से जीवनाईन निर्देश आगित करते हैं.

1. वो सी आगित के जिए सीनेप्रस्था पर निर्देशीय हों पर सूंब सीटे ट्रंटर के सीटियों हुँ उप्पास प्रदान करते के लिए सीनेप्रस्था के निर्देश में साम करते के कुत सीनोप्ट्या के निर्देश में साम करते के निर्देश में सीनेप्ट्या के निर्देश में साम करते के निर्देश में सीनेप्ट्या मान्य करने के लिए वह निर्देश में सीनेप्ट्या के निर्देश में सीनेप्ट्या मान्य करते के लिए वह निर्देश में सीनेप्ट्या के निर्वेश में सीनेप्ट्या के निर्देश में सीनेप्ट्या के निर्वेश में सीनेप्ट्या के नि

शुद्धीपत्र

स्थान की दिर्घावधिक पहा आधार पर'' को ''धाने क्षेत्र में कार्यालय स्थान की दिर्धावधिक च्छा आधार पर'' पढा जावे। इसके अतिरिक्त प्रथम पंक्ति में ''परिसर'' शब्द को ''धाने में स्थित परिसर'' एवं पंजित संख्या छः में ''ऐलबे स्टेशन" शब्द को "धाने रेलवे स्टेशन" पदा जाने । हस्सा/-संयुक्त आयुक्त केन्द्रीय उत्पाद शुक्क, ठामे-।

ई-प्रोक्युनंन्ट प्रणाती के जीतए भंडातों की आयृति

वसिष पूर्व रेलवे

विनांक २६.०२.२०१७ को प्रकाशित निविदा सूचना के संदर्भ में प्रकाशित निविदा के शिर्वक ''कार्यालय

> SO/SPB/FIC/CMC dated 03 Feb 13 माण प्रदी का गरणावस्य माण प्रदी वल, मुम्बई 15 नेवल फ्रेंच एफआईबी के के लिए खेन वर्षों के लिए ज्यानक अनुरक्षण अनुवंध (मीएमसी) के ऑकलोडिंग के लिए विकिश मृचना

यह सचित किया जाता है कि 06 फरवरी 2017 को 15 नेवल केंच एफआईसी व के तिए तीन वर्षों के लिए व्यापक अनुरक्षण अनुषंध (सीएमसी) के ऑफलोडिंग से संबंधित प्रकाशित निविदा सूचना को एलद्रहाय तकनीकी कारणी से निरस्त किया जाता है तथा इसे बाद को किसी सिथि पर प्रकाशित किया जायेगा। येबसाइटः

www.tenders.gov.in तथा www.indiannavy.nic.in पर प्रकतित निविद्य सवना को भी निरस्त किया जाता है।

इसके आगे यह सृष्कित किया जाता है कि बोली-पूर्व बैटक के लिए नयी तिथि को भी निविदा सचना के साथ संचित किया जायेगा।

रेक्नोकल क्रमांत स्वगर प्रदरी बल (मम्बई)

भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड

निविदा सूचना

निम्नलिखित ई-निविदा नीचे अंकित नियत दिनांक के अनुसार

भी भारएफक्यू संव	अङ्गरम विवाण	ग्री-बिट मीटिंग दिनांक/समय	न्यत रिगंक/समय	सम्पर्क विकास
1000275870 (में-निर्मिश्च म्हें-22091)	सभी एलबीजी प्लोटी हेतु एलपीजी सिलेपडरी के लिए 1425 किशी चंग्य विनय की आइति।	06.09.2017 10.30 福祉 IST	22,03,2017 13,00 WA 18T	022 - 24117852/ 24116286

troleum.in/tenders/view-tenders.aspx पर उपलब्ध होगी शृद्धिपत्र, यदि कोई, https://bpc/eproc.in पर दिया जावेगा







-	- 1990年	#GiveItUp	
की गरि	(creens)	glacine of ph	Ψ
\$ PER	समृद्धिय सम्बद्धाः एन	रपाइपित विद्यांत	

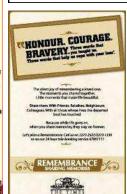


<u>ه</u> (و) **TO PLACE AN** ANNOUNCEMENT IN THIS SECTION CALL: 67001111





Sm. Sishila Agarwal Rajkumar- Rokha, Sunha -Mahosh, Copal- Moena, Arun - Dimple, Agarwal Family & Friends



मुंबई पोर्ट ट्रस्ट

इंग्रिटियार्थ के ENGINEERS (विदेश विकिटेड के INDIA LIMITED

pletra feriolica Committee de la committee de

हिन्दुस्तान पेट्रोलियम कारपोरेशन लिमिटेड सार्वजनिक सूचना

साधावानक सुमाना अरुहार अनंतावार के सुना किए जाते हैं के 'दे नेवार किस्तुवान वेट्टेनिया कारणियत किस्तिट हुए में आहे. प्रकार आहे. महुद्धा अपना अरुहार कारणीय के इस्ति के दे राम्युक्तियों के दे राम्युक्तियां के राम्युक्तियां के राम्युक्तियां के र

श्रद्धा कपूर बॉलिवुड के मिस्टर परफेक्शनिस्ट आमिर खान से इस्पायर्ड हैं। #GiveHUp #GiveItUp आर्टिस्ट और समाज THE REST OF OFFICE OF THE ADDITIONAL DIRECTOR GENERAL
DIRECTIONAL OF ROSVOME INTELLIGENCE
CENTRAL BOARD OF EXCESS & CUSTOMS
11, 5r Whitehin Distance William From A. Welling Line, Number 1431 225
Nov. 2295 1002, 2004 1008, 2219 5100, and 2215 5101 इनसान मानती हैं। इनसान मानवी है। श्रद्धा से जब आमिर खान को एक वाक्य में परिभाषित करने को कहा गया तो उन्होंने कहा कि

In these, 289 864, 266 816, 2815 818, 2812 8181 NAN-2285 814 F. No. I (21) (22) 2017 RND

NOTICE INVITING TRADES

1. Tanders are invelided for hirting of Server, (27) which size (size operational variables and one staff cary along with drivers on mornthy basis by the Office of the Additional Director General, Risk Management Division at 13, Sir Vithaldian Thackmerey Mary, New Marine Lines, Mambail, 400 (20) room the service providers having their registered offices located in Marthals, New Mambail and Thams deletions of Mahamalahita city under be develvabled from the CPP Portal (INL). https://genora.org/ci).

2. The interested agenciase/vehicles providers who fulfill the tachrical conditions are alone will not comply with the other terms and conditions are as also willing to comply with the other terms and conditions are nessed to this notice may submit their tendence on CPP portal, which will be o-processed by the department. The interested agencies should separately submit their tendence and francial bion on CPP portal.

3. The Financial Director General (RND) reserves the right to accept or niglect any or all tenders without assigning any reason. In case of any department in the interest of the process of Additional Director General (RND) pickles and single.

27.02.2017

दोस्त वरुण धवन से

किंसत बोली स्वरुपात) जाहीर खुल्या निविद निविदा निविदा पूर्व-बोली बैठकीची देय तारीख निविदा वर्णन तारीख व वेळ एनसीझेड अंतर्गत किरकोळ विक्री केंद्रांच्या ठिकाणी 20.03.2091 एचडी-१०१५७ प्री-फॅब्रिकेटेड कॉनोपीजकरिता कायमस्वरूपी दर कंत्राट दु. २.०० सर्वकष एएमसी अर्थात वार्षिक देखभाल कंत्राटासह 90,03,2090 दु.३.०० एचडी-१०१५७ पायलॉन्स W. 99.00

निविदेसाठीचे सर्व तपशिल, सुवारणा, स्पष्टीकरणे, शुव्धिपत्रके, जोडपत्रे मुदतवाढी इ. केवळ एयपीसीएल वेबसाईटवर ६ (www.hindustanpetroleum.com) प्रवर्शित करण्यात येतील. अदयावत माहितीसाठी बोलीदारानी य वेबसाईटला नियमितपणे भेट द्यावी, पात्रता निकष पूर्ण करणारे बोलीदार https://etender.hpcl.co.in साईटवर





परि /मुख्य गट व्यवस्थापक - सीपीओ (मार्केटिंग)



ENGINEERS

गेल (इंडीया) लिमिटेड क महारल कंपनी) (CIN No - L40200DL-1984GOI018976) निविदा मागवणारी सूचना (खुली देशांतर्गत स्पर्धात्मक बोली)

इंजीनियर्स इंडीया लिमिटेड, गेल (इंडीया) लिमिटेडच्या वतीने, खालील तपशिलांप्रमाणे जामनगर लोणी एलपीजी पाईपलाईन प्रकल्प (२२१०१५००) च्या क्षमता वृद्धीकरिता स्टेशन्ससाठी संयुक्त कार्माकरिता पात्र बोलीवारांकडून

3f.	ई-निविदा क्र.	वेबसाईटवर उपलब्ध	पूर्व बोली बैठकीची	बोली सादर करण्याची
帝.		आयएफबी व बोली कागदपत्र	तारीख	अंतिम तारीख व वेळ
9.	883060000	१७.०३ ,२०१७ पासून	२४.०३.२०१७ दु. ३.०० वा. (भाप्रवे), गेल नॉयडा	१८.०४.२०१७ दु. २.०० पर्यंत (भाप्रवे)

वेबसाईट (http://www.gailtenders.in), सरकारी वेबसाईट (http://eprocure.gov.in) आणि ईआयएल वेबसाईट (http://tenders.eil.co.in) ला भेट चा.

कोणत्याही चौकशीकरिता, बोलीदार श्रीमती सुनिता मित्रा, डीजीएम (सी आणि पी), इंजिनियर्स इंडिया लिमिटेड, नवी विरुत्ती दुरुवानी : +११-०१ २ ६७६३५०४/३११२२: ई-मैल : s.mitra@eil.co.in/ nithin,pradeep@eil.co.in/ यांच्याशी संपर्क साथू शकताल. उपरोक्त निविदेशारी कोणचाकी सुवारणा, स्पर्दीकरणे, शुक्रियणक, परिशिष्ट, वेळ विस्तार इ. कंकर उपरोक्त वेश्वमाहंस्तवर प्रविशिक्त करण्यात येहूंल काणि प्रेसमयून काणीही स्वतंत्र अधिसूचन विरोत कृती जाणार नाही. बोलीदारांनी कृपया त्यांना स्वतःला अपडेट ठेकण्यासाठी नियमितरणे वेश्वसाईटला भेट ह्यांपी. V2016-2017/247 उप महाव्यवस्थापक (सी आणि पी)



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकारचा उद्यम) वी. डी. पाटील मार्ग, माहल, मुंबई-I- L23201MH1952GOI008858

जाहीर सूचना

तमाम जनतेला याव्यारे कळविण्यात येत आहे की, "मे. हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेडव्यारा बी.डी. पाटील मार्ग, माहुल मुंबई येथील मुंबई रिफायनरीच्या कच्या तेलाच्या क्षमतेत ७.५ एमएमटीपीएक्शन ९.५ एमएमटीपीएपर्यंत युद्धिविस्तार, प्रॉपिलीन रिकव्हरी यूनिट (पीआरय्)ची उभारणी आणि कॅप्टिव्ह पॉवर प्लान्ट (सीपीपी)चे रीव्हॅम्प" यांकरिता पर्यावरण, वन आणि हवामान बदल मंत्रालयातर्फे (एमओईएफ अँड सीसी) पर्यावरणीय दृष्टिकोनातून परवानगी मिळाली आहे. या पर्यावरणीय दृष्टिकोनातून मिळालेल्या परवानगीचे तपशील महाराष्ट्र प्रदूषण नियंत्रण मंडळाकडे उपलब्ध आहेत तसेच एमओईएफ अँड सीसीच्या वेबसाईटवर http://moef.nic.in वर पाहता येतील. सदर जाहीर सूचना, विनांकित ३१ जानेवारी २०१७ च्या एमओईएफ अँड सीसीच्या पत्र क्र. एफ नं. जे-११०११/४१३/२०१४-। ए. ॥ (आय) च्या सूचनांनुसार जारी करण्यात येत आहे.











कॉर्पोरेशन लिमिटेड

निविदा सूचना

खालील दिलेल्या निर्धारित तारखेनुसार खालील ई-निविदा वितरीत (floated)

सीआरएफक्यू	बाब वर्णन	पूर्व बोली बैठक	देय तारीख/	संपर्क
क्र.		तारीख/ वेळ	वेळ	तपशिल
		०८.०३.२०१७ स. १०.३० भाप्रवे वा.	२२.०३.२०१७ दु. १.०० भाप्रवे वा.	0२२- २४११७८५२/ २४११६२८६

तपशिलवार ई-निविदा https://bpcleproc.in आणि https:// www.bharatpetroleum.in/tenders/view-tenders.aspx वर उपलब्ध होतील

शुध्दिपत्रक, जर कोणतेही असेल तर केवळ https://bpcleproc.in वर देण्यात येईल









जाहिरात

महामंडळाच्या वापरासाठी १७ आसनी (ट्रेम्पो ट्रॅव्हलर) वाहन भाडेतत्वावर घेण्यात येणा सिलबंद लिफाफ्यात दरपत्रक मागविण्यात येत आहेत. तरी इच्छ्क पुरवठादाराने दि. १० वा. पर्यंत दरपत्रक महामंडळाच्या कार्यालयात जमा करावी.

मुबद्धन ४०० ०३०, दुख्वना क्र.०४५-४६५६

अटी व नियम :

- १) सदर वाहन चांगल्या दर्जाचे असावेत (वाहनाची नोंदणी २०१२ नंतरची असावी)
- २) सदर वाहन प्रती दिवस सकाळी १ व सायंकाळी १ फेरी (दादर स्टेशन ते वरळी) स्टेशन) साठी वापरण्यात येईल.
- ३) सदर वाहन महिन्यात २४ दिवसासाठी असेल. (सर्व रविवार व दुसरा, चौथा शनिव
- ४) सदर वाहनासाठी वाहनचालक, पेट्रोल / डिझेल, व वाहनाचे सर्व्हिसींग इ. हे पुरवठा
- ५) सदर वाहनावर वाहनचालक चांगल्या वर्तणुकीचा असावा.
- ६) दरपत्रक सादर करते वेळी वाहनाचे कागदपत्र व विम्याची छायांकित प्रत जोडणे आ ठरविण्यात येईल.

अधिक चौकशी किंवा अधिक माहितीकरिता श्री. एम.के. मसंद, मो.क्र. ९१६७२१७ दुरध्वनी क्र. ०२२-२४९१८३८८ / ८९ यांचेशी संपर्क साधावा.

> महा कल्य



भारत इलेक्ट्रॉनिक्स लिमिटेड

(रक्षा मंत्रालय के अधीन भारत सरकार का एक उद्यम) CIN: L32309KA1954GO1000787 पंजीकृत कार्यालय, आउटर रिग संड, नागवास, बंगलृह - 560 045

भारत इलेक्ट्रॉनिक्स लिमिटेड, बेंगलुरु कॉम्पलेक्स, जालहल्ली पोस्ट, बेंगलुरु 1) बीईएल अस्पताल, बेंगलरु के लिए घातक, चिरकालिक तथा सेवानिवृत्त कर्मचारियों के वर्गों तथा 2) भारत भर में बीईएल की यूनिटों, क्षेत्रीय और विपणन कार्यालयों के निर्घारित नगरों में सेवानिवृत्त कर्मचारी वर्ग के लिए दवाइयों की आपूर्ति के लिए ठेके को अंतिम रूप देने हेतु" प्रतिष्ठित एवं अनुभवी फार्मा कंपनियों से टेकनो-कमर्शियल पूर्व-अर्हता बोलियाँ आमंत्रित करती है। इस कार्य का अनुमानित वार्षिक मूल्य रु. 1168 लाख होगा। पूर्व-अर्हता मानदंड तथा अन्य विवरण के लिए वेबसाइट www.bel-india.com (निविदा, बेंगलूरु यूनिट पर क्लिक करें) देखें।

दिनांक: 01.03.2017

वरिष्ठ उप महाप्रबंधक (क्रय/सी.एम.एम.)



बोली मागवणारी सूचना

सिडको महाराष्ट्र लिमिटेड ई-निविदा प्रक्रियेव्दारा खालील नम्द कामाकरिता मेट्रो रेल कॉर्पोरेशन्स/ सिडको लि./ महाराष्ट्र राज्य पीडब्ल्यूडी/ सीपीडब्ल्यूडी/भारतीय रेल्वेज किंवा सदर सरकारी विभाग /संवर्ग ।ए (अमर्याद) आणि त्यावरील यामधील ॲथॉरिटीज यांच्या सोबत नोंदणीकृत, तांत्रिक बोली मृल्यमापनातील कायद्याने बंधनकारक पात्रता निकषांची पूर्तता करणाऱ्या अनुभवी आणि पात्र संभाव्य सिव्हिल बांधकाम संस्था (सिंगल बिझनेस एण्टीटी) यांच्याकडून दोन बोली प्रणाली (भाग-। तांत्रिक बोली आणि भाग-।। किंमत बोली) मधून "ऑनलाईन" लम्प सम बोली आमंत्रित करत आहेत.

१) कामाचे नाव : नवी मुंबई मेट्रो लाईन-१ करिता बेलापूर येथे टर्मिनल स्टेशन आणि खारघरच्या सेक्टर ११ आणि सेक्टर १४, उत्सव चौक, सायन्स पार्क, सेक्टर ७ सीबीडी बेलापूर येथे सहा एलिवेटेड मेट्रो स्थानकांच्या उर्वरित कामांचे आरेखन आणि बांधकाम. २) सी.ए.क. : 03/सिडको/एसीई/(। आणि मेट्रो)/एसई (मेट्रो-॥)/ २०१६-१७. ३) बोलींसाठी असलेली सूचक किंमत (लाखात) : ८५०० लाख ४) इ.र.ठे. : ८५ लाख ५) नोंदणी संवर्ग : संवर्ग-। ए (अमर्याद) आणि त्यावरील. ६) पूर्तता कालावधी : ०९ नऊ महिने (पावसाळा समाविष्ट) ७) कोऱ्या बोली कागदपत्राची किंमत : रु ६३,६००/- (रु. ६०,०००/- बेस व्हॅल्यू + रु. ३,६००/- म्हणजेच ६% वॅट) (ना-परतावा).

बोली कार्यक्रमासोबत बोली कागदपत्र वेबसाईट cidco. maharashtra.etenders.in वर ०२/०३/२०१७ रोजी सं. ५.०१ पासून उपलब्ध होईल.

अधीक्षक अभियंता (मेट्रो-॥)

CIN - U99999 MH 1970 SGC-014574 www.cidco.maharashtra.gov.in

सिडको/जनसंपर्क/४८९/२०१६-१७







INDRAPRASTHA GAS LIMITED

Indraprastha Gas Limited (IGL) (CIN: L23201DL1998PLC097614) invites sealed bids

Tender non to the		Sale of Bid Document		Submission of offer	
No.	Brief Description of Work	From	To	(till 1430 Hrs. IST)	
C14252	Rate Contract for Civil Modification Works for IGL CNG Stations, DTC	28.02.2017	13.03.2017	14.03.2017	

Depots, etc. in NCT of Delhi & NCR |

For downloading the tender document, please visit www.iglonline.net. Tender document can also be purchased from the office of CGM (C&P), IGL Bhawan, Plot No.4, Community Centre, Sector-9, R.K.Puram, New Delhi-110022. Ph.: 011-46074607. All subsequent hanges w.r.t above tender will be posted only on the above men

EADS KOLKATA METROPOLITAN DEVELOPMENT AUTHORITY

Abridge e-NIT No. 22/SE(WC)/WS/KMDA of 2016-2017 (2nd Call)

e-tender is invited by the Superintending Engineer, West Circle, WS Sector, KMDA Padmapukur W.T.P. Campus, Shibpur, WS Sector, KMDA Padmapukur W.T.P. Campus, Shibpur, Howrah - 711 109 from eligible and resourceful contractors for the following work: Name of Work: Design, drawing, construction and commissioning of Clear Water Underground Reservoir 0.40 MGD capacity (UGR No. 4), together with Pump House on UGR, Substation building including supply and installation of related Electro-Mechanical works over pile foundation along with trial run for 3 months and subsequent operation and Maintenance for 12 months at Ward No. 4 of Raipur - Sonarpur Municipality on Turnkey Basis under AMRUT. Estimated Amount: Rs. 5,28,93,000/-. Earnest Money: Rs. 10,57,860/-. Time of Completion: 12 Months. Last date and time of Completion of bids online is 10,3,2017 at 18-50 hrs. For details contact the ssion of bids online is 10.03.2017 at 18:50 hrs. For details contact the office or visit our both websites. KMDA/T-583/A-Contad(4)/2016-17

Visit Website: www.kmdaonline.org/www.wbtenders.gov.in



HINDUSTAN PETROLEUM CORPORATION LIMITED

(A Govt. of India Enterprise) Mumbai Refinery, B.D. Patil Marg, Mahul, Mumbai -400074, CIN-L23201MH1952G01008858

PUBLIC NOTICE

Public at large is hereby informed that the "Expansion of Mumbai Refinery from 7.5 MMTPA to 9.5 MMTPA of crude capacity, installation of Propylene Recovery Unit (PRU) AND Revamp of Captive Power Plant (CPP) AT B. D. PATIL MARG, MAHUL, MUMBAI by M/s Hindustan Potroleum Corporation LIMITED, has been accorded Environmental Clearance by Ministry of Environment, Forest and Climate Change (MoEF & CC). The details of the environmental clearance are available with the Maharashtra Pollution Control Board and may also be seen at the website of MoEF & CC at http://moef.nic.in. This public notice is being issued as per instruction of MoEF & CC vide letter F. No. J-11011/413/2014-IA.II(I) dated 31st January, 2017.









e-mail id: se sicbam@yahoo.com

perintending Engineer, Southern Irrigation Circle, Berhampur. e-Procurement Notice No. SE, SIC - 11 / 2016-17

- Type of Work :- Flood Control Works and Restoration of spillway.
- Total No of Works :- 06(Six) Nos
- 3. Amount put to tender: Varies from Rs. 169.26 lakhs to 281.95 lakhs.
- 4. Period of completion:- 11(Eleven) to 15(fifteen) calendar months

Procurement officer	Bid Identification No.	Bid Amount (Rs. in lakhs)	Availability & Submission of Bid On-line
	SE,SIC,(BNID) 25 / 2016-17	258.09	
	SE,SIC,(BNID) - 26 / 2016-17	281.95	
Superintending Engineer,	SE,SIC,(BNID) - 27 / 2016-17	238.37	From 02.03.2017
Southern Irrigation Circle, Berhampur, Ganjam	SE,SIC,(BNID) - 28 / 2016-17	242.76	10.00 A.M to 17.03.2017, 5.00 P.M.
	SE,SIC,(BNID) - 29 / 2016-17	230.38	
	SE,SIC,(BNID) - 30 / 2016-17	169.26	

Date of opening of the Technical Bid: 22.03.2017 at 11.30 A.M.

Further detail can be seen from the Govt, website www.tendersorissa.gov.in

Superintending Engineer, Southern Irrigation Circle, Berhampur.



32061/11/0012/1617

HINDUSTAN PETROLEUM CORPORATION LIMITED

(A Government of India Enterprise)
CENTRAL PROCUREMENT ORGANISATION - MARKETING
Marathon Futurex, 9th Floor, N M Joshi Marg, Lower Parel (East),
Mumbai-400 013 Phone:022-23030073, 23030079, 23030081

E-Tender Notice
Public Tender under Two Bid system (Technical & Price Bid) is invited through
e-tender from eligible Indian bidders for following

	Tender No		Pre-Bid Meeting Date & Time	Due Date & Time
				20.03.2017 15:00 hrs
		Pylons including Comprehensive AMC		21.03.2017 15:00 hrs

All details, revisions, clarifications, corrigenda, addenda, time extensions etc., to the tender will be hosted on HPCL website (www.hindustanpetroleum.com) only. Bidders should regularly visit this website to keep themselves updated. Bidders meeting the eligibility criteria can participate by logging into the site https://etender.hpcl.co.in





Glivetup Sr./Ch. Category Manager CPO (Mktg.)

INVITATION NOTICE FOR STATION RE-DEVELOPEMENT

General Manager (Works), Central Railway, CST Mumbai invites applications for Qualification and Technical Proposal for Development of Railway Stations in sealed cover in prescribed format from reputed contractors/ developers/ consultants separately for the following locations in the state of Maharashtra:- Name of Work and Invitation Number: Request for proposal for selection of project proponent for redevelopment of Pune Station of Central Railway on 'as is where is" basis as per general guidelines of Railway Board available on web site - http://www.indianraliways.gov.in/index new.html under station redevelopment (Tenders & Suppliers info/Tenders) (Invitation No. PCE/General/STNRDP/ 16-17 /1 dated 27.02.2017) Request for proposal for selection of project proponent for redevelopment of Lokmanya Tilak (Terminus) Station of Central Railway on "as is, where is" basis as per general guidelines of Railway Board available on web site - http:// www.indianrailways.gov.in/index new.html under station redevelopment (Invitation No. PCE/General/STNRDP/16-17/2 dated 27.02.2017). 3 Request for proposal for selection of project proponent for redevelopment of Thane Station of Central Railway on 'as is where is" basis as per general guidelines of Railway Board available on web site - http://www.indianrailways.gov.in/index new.html under station redevelopment.

Location	Pune	LTT,	Thane
Indicative Project Cost (Excluding Cost of commercial Development Project)	200 Cr.	250 Cr.	200 Cr.
Vacant Land	8.0 acres	8.0 acres	1.23 acres

Lease Period: 45 years; Station Facility Maintenance Period (Including Construction Period): 15 years; Cost of Invitation Form: ₹ 10,000/-DP/ 16-17/2 dated 27.02.2017). The cost of the Tender Form should be attached with the offer document, failing which the tender will be summarily rejected. Earnest Money: ₹5,00,000.00 Applications unaccompanied with requisite Earnest money shall be summarily rejected. Availability of Invitation Forms: Invitation Document will be available on website www.cr.indianrailways.gov.in (Tenders & suppliers info/ Tenders) from 27.02.2017 (18:00 hrs.) for downloading and in the Office of General Manager (Works), Central Railway, CST Mumbai-400 001 for sale on all working days within office hours. Due date and time of Opening: 12.06.2017 at 1600 hrs.; Validity of offer: 365 days from due date of opening. • Stations are to be developed on "As is where is" basis, in order to bring them to international standards and providing the comfort and convenience to passengers and other stakeholders. The development of Railway Station will primarily consist of upgrading the level of passenger amenities by new construction / renovation / alteration to existing station building, platform surface, circulating area, etc. to serve better the needs of the passengers. . Interested Applicants are advised to refer to the Manual of Standards and specifications for Railway Station for development of World class stations through public private partnership (Vol-I&II), available at the website www.indianrailways.gov.in (Ministry of Railways - about Indian Railways Corporate View-Directorates-Land & Amenities-Worlds Class Stations). • Land will be provided for a lease period of 45 years. Land mortgaging & further leasing not permitted.

NOTICE No. PCE/General/ STNRDP/16-17 Dated 27.02.2017



Central Railway



Government of India Ministry of Environment & Forests (IA Division)

Paryavaran Bhawan CGO Complex, Lodhi Road New Delhi – 110 003

E-mail: ms.industry-mef@nic.in

Telephone: 011: 2436 3973

F. No. J-11011/415/2008-IA-II(I)

Dated: 4th September, 2009

To

The Executive Director, M/s HPCL, Petroleum House, 17, Jamshedji Tata Road, Mumbai -400020, Maharashtra

corphqo@hpcl.co.in, ravimathur@hpcl.co.in

Sub: Setting up of Diesel Hydro treating facilities at Mumbai Refinery, Complex at Mahul, Chembur, Mumbai by M/s HPCL – Environmental Clearance reg.

Sir.

This has reference to your letter No. CEE/09/AJ/DHTMR/077 dated March 06, 2009 alongwith EIA and Risk Assessment report seeking environmental clearance under EIA Notification, 2006 and subsequent communication vide your letter dated May 05, 2009, CEE/09/AJ/DHTMR/090 dated 22/26th June, 2009 and CEE/09/AJ/DHTMR/102 dated 26th August, 2009.

- The Ministry of Environment and Forests has examined the application. It is noted that M/s HPCL have proposed for setting up of Diesel Hydro Treating (DHT) facilities at Mumbai Refinery, Complex at Mahul, Chembur, Mumbai. The current crude oil processing capacity of HPCL- Mumbai Refinery is 5.5 MMTPA and is implementing Green Fuels & Emission Control (GFEC) project which includes processing facilities such as Prime G+, Light Naphtha Isomerisation unit, Continuous and Catalytic Reformer unit. The crude processing capacity of Mumbai Refinery post-GFEC project will be 7.9 MMTPA. The total land available is 136 ha and green belt has been developed in 14% of the total land area. The new facilities being proposed are for products of Euro-IV grade HSD which is for reducing the vehicular emissions as part of Auto Fuel Policy and will be located within the existing premises and include the following:
 - 1. Diesel Hydro treating Facility 2.2 MMTPA
 - 2. Hydrogen Generation unit 20 KTPA
 - 3. Sulphur recovery unit 125 TPD
 - 4. Sour Water Striper-Two Stage 15 m³/Hr.
 - 5. Amine regeneration unit 164m³/hr.
 - 6. Flue gas desulphurization plant 109 TPH

- Major emissions will be sulphur dioxide (SO₂) and oxides of nitrogen (NOx). The total SO₂ and NOx emission will be maintained within existing limits of 12.6 MTPD of sulphur dioxide. Refinery will be using Fuel Gas, generated in the process units as well as low sulphur internal fuel oil (sulphur content within 0.5% wt) in the process heaters and boiler. Process design will be selected to minimise the emissions. The emergency vent gases will be collected in a closed vent alongwith flare system and will be burnt at high elevation to ensure safe combustion gases and their dispersion. It was noted that liquid effluents generated from the proposed project shall be treated in the integrated Effluent Treatment Plant (ETP) of the refinery to meet the Minimal National Standards (MINAS) before discharging at the existing disposal point. Solid wastes generated from the refinery are spent catalysts from process units, Chemical & Biological Sludge from ETP. Some of the catalysts will be sent back to the original supplier for reprocessing. Chemical & biological sludge after proper segregation and treatment from ETP will be sent to solid disposal facility at Taloja as well as sold to Mumbai Waste Management (MWM) limited.
- 4.0 All the petroleum refinery activities are listed at 4(a) under 'A' category in the Schedule of EIA Notification, 2006 and hence considered and appraised at central level in 1st meeting of the Expert Appraisal Committee (Industry 2) held during 24th-25th July, 2009. The public hearing was exemted as per para 7(ii) of EIA Notification, 2006.
- 5.0 Based on the information submitted by the project proponent, the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification, dated 14th September 2006 subject to the compliance of the following Specific and General Conditions:

A. SPECIFIC CONDITIONS:

- i. M/s HPCL shall comply with the stipulations made in the environmental clearance accorded by the Ministry for the existing plant.
- ii. M/s HPCL shall comply with new standards/ norms for Oil Refinery Industry notified under the Environment (Protection) Rules, 1986 vide G.S.R. 186(E) dated 18th March 2008.
- iii. The project authorities shall submit a feasible plan which will be followed to ensure that SO₂ emission from the refinery does not exceed the stipulated figure of 12.6 TPD at any time.
- i. Gas firing based on gas liquid fuel shall be eliminated. Flue gas desulphurization on FCC shall be installed.
- ii. All equipment and construction being carried to and from the refinery should be done in such a manner as not to create traffic congestion.
- iii. The process emissions (SO₂, NOx, HC, VOCs and Benzene) from various units should conform to the standards prescribed by the Maharashtra Pollution Control Board from time to time. At no time, the emission levels should go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the unit should be immediately put out of operation and should not be restarted until the desired efficiency has been achieved.

- iv. Ambient air quality monitoring stations, [SPM, SO₂, NO_x, H₂S, Mercaptan, NMHC and Benzene] should be set up in the Refinery complex in consultation with SPCB, based on occurrence of maximum ground level concentration and down-wind direction of wind. The monitoring network must be decided based on modeling exercise to represent short term GLCs Continuous on-line stack monitoring equipment should be installed for measurement of SO₂, NO_x, CO and CO₂. Low NOx burners should be installed with online analyzers.
- v. The proponent shall upload the status of compliance of the stipulated EC conditions, including monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant namely; SPM, RSPM, SO₂, NOx (Ambient levels as well as stack emissions) VOC and HC, indicated for the project shall be monitored and displayed at the convenient location near the main gate of the Company in the public domain.
- vi. Monitoring of fugitive emissions should be carried out as per the guidelines of CPCB by fugitive emission detectors and reports should be submitted to the Ministry's regional office at Bhopal. For control of fugitive emission all unsaturated hydrocarbon will be routed to the flare system and the flare system should be designed for smoke less burning.
- vii. Fugitive emissions of HC from product storage tank yards etc. must be regularly monitored. Sensors for detecting HC leakage should also be provided at strategic locations. The company should use low sulphur fuel to minimize SO₂ emission. Sulphur recovery units should have efficiency of 99.5 %. Leak Detection and Repair programme should be implemented to control HC/VOC emissions. Work zone monitoring should be carried out near the storage tanks besides monitoring of HCs/VOCs in the work zone.
- viii. The waste water should be treated in the waste water treatment plant and the treated effluent should meet the prescribed standards. Efforts should be made to recycle the treated effluent to achieve zero discharge.
- ix. The project authorities must strictly comply with the rules and regulation with regard to handling and disposal of Hazardous Wastes (Management, Handling and Trans Boundary Movement) Rules, 1989/ 2003/ 2008 wherever applicable. Authorization from the State Pollution Control Board must be obtained for collections/ treatment/ storage/ disposal of hazardous wastes.
- x. The company should strictly follow all the recommendation mentioned in the charter on Corporate Responsibility for Environmental Protection (CREP) for the oil refineries.
- xi. The Company should take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. At place of ground flaring, the overhead flaring stack with knockout drums should be installed to minimize gaseous emissions during flaring.

- xii. To prevent fire and explosion at Oil and Gas facility, potential ignition sources should be kept to a minimum and adequate separation distance between potential ignition sources and flammable material should be in place.
- xiii. Occupational health surveillance of worker should be done on a regular basis and records maintained as per the Factory Act.
- xiv. Greenbelt should be developed to mitigate the effect of fugitive emission all around the plant in a minimum 25% plant area in consultation with DFO as per CPCB guidelines.
- xv. The Company should undertake measures for rain water harvesting to recharge the ground water and minimize fresh water consumption.
- xvi. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, 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. The project authorities must strictly adhere to the stipulations made by the concerned State Pollution Control Board (SPCB) and the State Government and any other statuary body.
- ii. 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.
- iii. At no time, the emissions shall go beyond the prescribed standards. In the event of failure of any pollution control system, the respective facilities should be immediately put out of operation and should not be restarted until the desired efficiency has been achieved. Provision of adequate height of stack attached to DG sets & flare is to be done.
- iv. Waste water shall be properly collected and treated so as to conform to the standards prescribed under EP Act & Rules and mentioned in the Consents provided by the relevant SPCB.
- v. 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).
- vi. The project authorities must strictly comply with the 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, if required. Requisite Onsite and Off-site Disaster Management Plans will be prepared and implemented.

- vii. The project authorities will provide adequate funds as non-recurring and recurring expenditure 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 should not be diverted for any other purposes.
- viii. The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.
- ix. The stipulated conditions will be monitored by the concerned Regional Office of this Ministry/ Central Pollution Control Board/ State Pollution Control Board. A six monthly compliance report and the monitored data should be submitted to them regularly. It will also be displayed on the Website of the Company.
- x. 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 the SPCB.
- xi. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations if any, were received while processing the proposal. The clearance letter shall also put up on the website of the Company by the proponent.
- xii. 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.
- xiii. The environmental statement for each financial year ending 31st 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 alongwith the status of compliance of EC conditions and shall also be sent to the respective regional Office of the MoEF by e-mail.
- xiv. A separate environment management cell with full fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of a Senior Executive.
- xv. 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

- 6.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- 7.0 The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.
- 8.0 Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, Second Floor, Trikoot-I, Bhikaji Cama Place, New Delhi-110066, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
- 9.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 1989/ 2003/ 2008 and Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 along with their amendments and rules.

(Dr. P L Ahujarai)
Director

Copy to:

- 1. The Secretary, Department of Environment and Forests, Govt. of Maharashtra, Mumbai 400 001, Maharashtra.
- 2. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, Link Road No.3, E 5, Arera Colony, Bhopal 462 016, M.P.
- 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, Shri Chatrapati Shivaji Maharaj Municipal Market Building, 4th Floor, Mata Ramabai Ambedaker Road, Mumbai 400 001, Maharashtra.
- 5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
- 6. Guard File.
- 7. Monitoring File.
- 8. Record File.

(Dr. P L Ahujarai) Director 28 plant 7 21/4 21/4

J-11012/1/2002-IA II (I) Government of India Ministry of Environment & Forests I.A.Division

E mail No. plahujarai@yahoo.com.

Tele No. 24363973

Paryavaran Bhavan, CGO Complex,
Lodi Road , New Delhi- 110003

April 10, 2003

To
Shri S.K. Mukherjee
The Executive Director
M/s Hindustan Petroleum Corporation Limited
Mumbai Refinery
17, Jamshedji Tata Road,
Mumbai-400020

Sub: Green fuels and emission control (GFEC) project for HPCL's Mumbai refinery.

Sir,

This has reference to your letter No.HPCL/GFEC/MOEF/01 dated 3rd February, 2003 and letter no. HPCL/GFEC/MOEF/01 dated 5th March, 2003 on the above mentioned subject seeking exemption of environmental clearance based on the 'no increase in the pollution load', as per the provisions of EIA notification, 1994. It is noted that Maharashtra State Pollution Control Board vide its letter no. MPCB/WPAE/(ROHQ)/TB/B-5 dated 01.01.2003 has certified that there will not be any increase in pollution load due to proposed modernization of project/expansion facility. The capital outlay for the proposed project is Rs.1152 crores.

2.0. The proposal of M/s HPCL has been examined based on the documents/clarifications submitted to the Ministry including EIA/EMP /risk analysis and the 'no increase in the pollution load certificate' issued by the MPCB. It is noted that the company is proposing to install processing facilities for fuel quality improvement and reduction of pollution load. The major activities include the following:

Installation of new process units viz., Naphtha splitter, naphtha hydrotreater, catalytic reforming unit, isomerization unit, FCC Gasoline splitter, FCC gasoline hydrotreater, flue gas desulfurization unit, DeNOx facilities and LOBs quality upgradation. These would be configured with the existing units. The crude processing capacity would increase from 6.0MTPA to 7.9MMTPA by utilization of spare capacity in the existing plan, and without addition of any columns/heaters in the primary processing units. The configuration envisages meeting the Euro III specifications for motor Spirit (MS) and High Speed Diesel (HSD), with a capability to meet Euro-IV for MS.

Revamping of existing units including Fuels Refinery Atmospheric Pipe Still (FRAPS), Fuels Refinery/Lubes Refinery Vacuum Pipe Still (FR/LR VPS), Fuel Refinery Expansion Atmospheric Pipe Still (FREAPS), Fuel Refinery Expansion Vacuum Pipe Still (FREVPS) and Fluidized Catalytic Cracking Unit (FCCU).

Comprehensive pollution control measures for reduction in gaseous emissions, effluent treatment and discharge and solid wastes. Specifically, company has incorporated measures for:

- i. Reduction in the gaseous emission from the existing level (SO2) from 13.5 to 12.6TPD and NOx from 6.5 to 5.9TPD).
- ii. Comprehensive waste water management system and recycling and reuse of treated effluent so that the total treated effluent should not exceed a maximum of 165m3/hr.
- iii. Disposal of hazardous DeSOx sludge at TSDF developed by M/s Mumbai Waste Management Limited, Taloja
- iv. Replacement of the existing LPG storage facility with mounded LPG storage.
- 3.0. Keeping the above in view, Ministry has **no objection** to the proposed Green fuels and Emission control project under the provisions of 'no increase in pollution load' as certified by the Maharashtra Pollution Control Board subject to the specific environmental protection measures/ action plan envisaged in the EIA /EMP and risk analysis reports and subject to following terms and conditions.
 - (a) Specific limits stipulated at para 2 should be strictly complied.
 - (b) The fresh water consumption should be pegged at the current level of 300m3/hr even after the proposed modernization. The additional water required, if any, should be met through recycling/reuse of treated effluent.
 - (c) All recommendations made in the Risk Analysis Report should be complied with during design, construction and operation stages to contain the risk within the plant boundary. As stated earlier, LPG/propane must be stored in mounded bullets only. Existing Horton Spheres in this regard should be dismantled.
 - (d) No further modernization/expansion of the project should be carried out without prior permission of this Ministry.

(e) Implementation of the project vis-à-vis environmental management/risk mitigation measures should be reported to the Ministry/Regional Office/State Pollution Control Board regularly on a six-monthly basis.

Yours faithfully, PN-jacon (Dr. P. L. Ahujarai) Additional Director

Copy to:

- Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, E - 3 / 240 Arera Colony Bhopal - 462 016.
- Chairman Maharashtra Pollution Control Board, Shri Chatrapati Shivaji Maharaj Municipal Market Building, 4th Floor, Mata Ramabal Ambedaker Road, Mumbai-400 001.

(Dr. P. L. Ahujarai) Additional Director

F. No. J-11011/413/2014-IA.II (I) Government of India Ministry of Environment, Forest and Climate Change (I.A. Division)

Indira Paryavaran Bhawan Aligani, Jorbagh Road New Delhi - 110 003

E-mail: yogendra78@nic.in Telefax: 011-24695365 Dated: 31st January, 2017

To,

The Executive Director M/s HPCL, Petroleum House, 17, Jamshedji Tata Road, Mumbai - 400020.

Subject:

Proposed expansion of Mumbai Refinery from 7.5 MMTPA to 9.5 MMTPA at BD Patil Marg, Mahul, Mumbai, Maharashtra by M/s HPCL-EC reg.

Your online proposal no. IA/MH/IND2/26662/2014. Ref.:

Sir,

This has reference to your online proposal no. IA/MH/IND2/26662/2014 along with project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report along with Public Hearing Report regarding above mentioned project.

The Ministry of Environment, Forests and Climate Change has examined the 2.0 application. It is noted that proposal is for proposed expansion of Mumbai Refinery from 7.5 MMTPA to 9.5 MMTPA at BD Patil Marg, Mahul, Mumbai, Maharashtra by M/s HPCL. M/s HPCL has proposed to enhance the refining capacity of its Mumbai refinery upto 9.5 MMTPA including Propylene Recovery Unit (PRU) and revamp of existing Captive Power Plant (CPP).

The total cost of the project is ₹3223.43 Crores for refinery expansion and PRU & revamping of CPP with a capital investment of Rs.622.45 Crores. All new facilities are coming up within existing refinery having 13, 95,477 sq.m. The total area for setting up of new units within refinery premises is 2.1 acres. It is reported that no National Park and Wildlife Sanctuary is located within 10 km of the project site. Mahul creek is a shallow wetland area where lots of birds are seen in winter season. Capacities of existing and proposed units are as given below:

PRODUCTS	Existing production (KTPA)		
LPG	332		
LAN	272		
SCN	96		
Treated Hexane	30		
Solvent 1425	8.5		

K.J. for

Page 1 of 6

Proposal no. IA/MH/IND2/26662/2014

MS Euro III	1075	
MS Euro IV	0	
MTO	48	
ATF	600	
SKO	52	
Euro III Diesel	1810	
Euro IV Diesel	776	
LDO_	88	
RPO_	70	
FO 180 cst	567	
Sulphur	37	
150 N Gr-I	81	
500 N Gr-I	206	
Bright Stock	61	
IO-100	9	
VG-10 Bitumen	229	
VG-30 Bitumen	478	

The proposed expansion of products:-

Units	Design Capacity (KTPA)	Expansion Case (KTPA)
FRAPS/VPS	4000 (Kuwait)	6000
FREAPS/VPS	3500 (BH)	3500
NAPHTHA SPILTTER UNIT	1222	1222
Naphtha Hydro Treater (NHT) /Isomerisation	250	300
NHT/Continous Catalytic Reformer	545	654
PRIME G+	475	570
New Fludised Catalytic Cracking Unit (FCCU)	1227	1227
Old FCCU	950	950
Diesel Hydro Desulphurisation Unit	2270	2270
Diesel Hydro Treater Unit	2200	2200
PDA	755	755
Hydrogen Generation Unit (HGU)	14.5	14.5
New HGU	-	36
Visbreaker (VBU)-New Residue upgradation unit	-	565
Propylene Recovery Unit (PRU)	-	100
New GTG		81 MW

Total SOx emission from the refinery post expansion is expected to be 8.62 TPD which will be well within the existing permissible limit of 12.6 TPD as stipulated by MOEF/SPCB. Fresh water requirement from BMC will be increased from 426 m³/hr to 538m³/hr after expansion. The additional power required for MREP shall be 13 MW, for PRU 600 KW (415 V LT) + 622 KW (6.6 KV HT). Recovery efficiency of existing two SRU trains will be increased from 99% to 99.9%. Low NOx burners will be installed to reduce NOx emission from all furnaces.

Effluent generation will be increased from $130~\text{m}^3/\text{hr}$ to $178~\text{m}^3/\text{hr}$ after expansion. PP confirmed that as the existing IETP can handle the above flow of $178~\text{m}^3/\text{hr}$, no new ETP is proposed for treatment. It is proposed that ETP treated water

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from Reverse Osmosis system will be routed to DM Plant for reuse. Spent catalyst will be sent to the authorized recycler/re-processors.

- 3.0 Public Hearing/Public Consultation meeting conducted by the Maharashtra Pollution Control Board on 13th May, 2016.
- 4.0 All the Petroleum Refinery Plants are listed at S.N. 4(a) under Category 'A' and appraised at the Central level.
- 5.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its 12th and 14th meeting held during 23rd -24th August, 2016 and 26th-27th October, 2016 respectively. Project Proponent and the EIA Consultant namely M/s EIL 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.
- 6.0 Based on the information submitted by the project proponent, the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14th September 2006, subject to the compliance of the following Specific and General Conditions:

A. SPECIFIC CONDITIONS:

- i. M/s HPCL shall comply with standards/norms for Oil Refinery Industry notified under the Environment (Protection) Rules, 1986 vide G.S.R. 186(E) dated 18th March, 2008.
- ii. Continuous on-line stack monitoring for SO₂, NOx and CO of all the stacks shall be carried out.
- iii. The process emissions [SO₂, NOx, HC (Methane & Non-methane)], VOCs and Benzene from various units shall conform to the standards prescribed under the Environment (Protection) Act. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency of the pollution control device has been achieved.
- iv. Leak Detection and Repair programme shall be prepared and implemented to control HC/VOC emissions. Focus shall be given to prevent fugitive emissions for which preventive maintenance of pumps, valves, pipelines are required. Proper maintenance of mechanical seals of pumps and valves shall be given. A preventive maintenance schedule for each unit shall be prepared and adhered to. Fugitive emissions of HC from product storage tank yards etc. must be regularly monitored. Sensors for detecting HC leakage shall be provided at strategic locations.
- v. SO2 emissions after expansion from the plant shall not exceed 525 kg/hr and further efforts shall be made for reduction of SO2 load through use of low sulphur fuel. Sulphur recovery units shall be installed for control of H2S emissions. The overall sulphur recovery efficiency of Sulphur recovery unit with tail gas treating shall not be less than 99.9%.

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- vi. As proposed, record of sulphur balance shall be maintained at the Refinery as part of the environmental data on regular basis. The basic component of sulphur balance include sulphur input through feed (sulphur content in crude oil), sulphur output from Refinery through products, byproduct (elemental sulphur), atmospheric emissions etc.
- vii. Flare gas recovery system shall be installed.
- viii. Ambient air quality monitoring stations, [PM₁₀, PM_{2.5}, SO₂, NOx, H₂S, mercaptan, non-methane-HC and Benzene] shall be set up in the complex in consultation with Kerala State Pollution Control Board, based on occurrence of maximum ground level concentration and down-wind direction of wind. The monitoring network must be decided based on modeling exercise to represent short term GLCs.
- ix. Total freshwater requirement from BMC after expansion of proposed project shall not exceed 538 m³/hr and prior permission shall be obtained from the competent authority.
- x. As proposed, Industrial effluent generation shall not exceed 178 m³/hr after proposed expansion and treated in the integrated effluent treatment plant. Treated effluent shall be recycled/reused within the factory premises. Domestic sewage shall be treated in sewage treatment plant (STP).
- xi. Automatic mechanical Oil catchers/oil traps shall be provided at all possible locations in rain/ storm water drainage system inside the factory premises.
- xii. At least 2.5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESR) based on Public Hearing issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bangalore.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.
- ii. 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.
- iii. 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.
- iv. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.

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- v. 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).
- vi. 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.
- vii. 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.
- viii. 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.
- ix. The company shall undertake all relevant measures for improving the socioeconomic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.
- x. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- xi. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- xii. 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 for environment management/ pollution control measures shall not be diverted for any other purpose.
- xiii. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- xiv. 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 SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- xv. The environmental statement for each financial year ending 31st 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

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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.

- xvi. 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://moef.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 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.
- xvii. 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.
- 4.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- 5.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
- 6.0 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.

(Yogendra Pal Singh) Scientist 'D'

Copy to:-

- 1. The Principal Secretary, Environment Department, Government of Maharashtra, 15th Floor, New Administrative Building, Mantralaya, Mumbai 400 032
- 2. The Additional Principal Chief Conservator of Forests, Regional Office (WCZ), Ministry of Environment, Forest and Climate Change, Nagpur.
- 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, 3rd and 4th 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/Monitoring File/Record File.

(Yogendra Pal Singh) Scientist 'D'