भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड

भारत सरकार का उपक्रम आईएसओ 9001:2015 आईएसओ 14001:2015 आईएसओ 45001:2018 एवं आईएसओ ५०००१:२०१८ प्रमाणित रिफाइनरी



BHARAT PETROLEUM CORPORATION LTD.

A Govt. of India Enterprises AN ISO 9001:2015 ISO14001:2015 ISO 45001:2018 AND ISO 50001:2018 CERTIFIED REFINERY

MR.HSE.ENV.1.ECCOMP

Date:31st Dec.2024

To

Shri. Kanwarjit Singh, IFS

Additional Principal Chief Conservator of Forest, Ministry of Environment Forest & Climate Change, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur-440001 Email: apccfcentral-ngp-mef@gov.in

Sub: Submission of Six Monthly Compliance report for the period of April-2024 to September -2024

Dear Sir,

We, Bharat Petroleum Corporation Ltd. (BPCL), Mumbai Refinery, would like to bring to your kind attention that we are facing an issue with the online entry of six-monthly Environmental Clearance Compliance Report on the PARIVESH Portal for the reporting period of April-2024 to September 2024. The issue is being addressed and we will update the necessary details on the PARIVESH portal as soon as the issue is resolved.

In the meantime, please find enclosed the six-monthly Compliance Report for the reporting period April-2024 to September-2024 for Environmental Clearances (ECs) pertaining to the projects of BPCL Mumbai Refinery in Maharashtra, for your kind reference.

Thanking you,

Yours Faithfully,

For Bharat Petroleum Corporation Ltd.,

Suresh Rathod

Chief Manager

(Environment, HSSE, Mumbai Refinery)

Encl: EC Compliance report

- 1. Environment Department, Govt. of Maharashtra, Room No. 207, 2nd Floor, Mantralay Annex, Mumbai- 400032
- Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd floor Sion, Mumbai-400022
- SRO-III, Maharashtra Pollution Control Board, Kalpataru Point, 2nd floor, Sion, Mumbai-400022

मुंबई रिफाइनरी : माहुल, मुंबई - 400074 फोन : 2552 4888/2552 4999/2553 3888/2553 3999, फॅक्स : 2554 2970 रजिस्टर्ड ऑफिस : भारत भवन,करीमभाँय रोड, बेलार्ड इस्टेट, मुंबई - 400 001.

Half Yearly EC Compliance Report

Period: Apr-2024 to Sep-2024

BPCL, Mumbai Refinery

Compliance Status Report for Gasoline Hydro Treatment Unit (GTU) (0.9 MMTPA) & associated facilities to produce 100% BS-VI MS

EC Letter no. J-11011/98/2016-IA-II(I) dated 20th March 2017

Consent To Operate (CTO) for Gasoline Treatment Unit (GTU) amalgamated with existing refinery CTO has been received from Maharashtra Pollution Control Board (MPCB) on 13th Sept-2019.

GTU plant was commissioned on 22nd Oct 2019.

As per the stipulations given in the Environmental Clearance for Gasoline Hydro Treatment Unit (GTU) (0.9 MMTPA) & its associated facilities to produce 100% BS-VI MS, the detailed compliance status is given below:

A. SPECIFIC CONDITIONS:

Sr. No.	SPECIFIC CONDITION	STATUS as on 01.12.2024 (April-2024 to September-2024)
	M/s DDOL shall seembly with many standards/sames	
i.	M/s BPCL shall comply with new standards/norms	Complied
	for Oil Refinery Industry notified under the	
	Environment (Protection) Rules,1986 vide G.S.R.	
	186(E) dated 18 th March,2008	Compliant
ii.	Compliance to all the environmental conditions	Complied
	stipulated in the environmental clearance letter no.	
	J J-11011/582/2011-IA II (I) dated 7 th June'2013,	Compliance reports are being uploaded on
	letter no. J-11011/140/2012-IA II (I) dated 12 th June	PARIVESH portal on 6 monthly basis.
	2013, letter noJ-11011/270/2013-IA II (I) dated 8 th	
	August 2014 and letter no. J-11011/21/2013-IA II	
	(I) dated 13 th August 2015, shall be satisfactorily	
	implemented and compliance reports submitted to	
	the Ministry's Regional Office.	The following factures of OTH arrays
iii.	Continuous on-line stack monitoring for SO2, NOx	The following features at GTU ensure
	and CO of all the stacks shall be carried out. Low NOx burners shall be installed.	process emissions to confirm to the
	NOX burners shall be installed.	standards prescribed under EPA
		Air preheater provided for improving efficiency
		 Provision of stack dampers, on-line indication for stack temperature, excess
		O2
		Stacks of adequate height
		Analyzers have been installed at GTU
		stacks for continuous on-line monitoring
		of SO2, NOx CO and PM. • Low NOx burners have been installed at
		two furnaces of GTU.
		Similarly, all stacks in BPCL MR have been
		provided with analyzers for continuous online
		monitoring of SOx, NOx, CO & SPM.
		Stack analyzers are connected to MPCB and
		CPCB servers for real time data
		transmission.

iv.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Besides, acoustic enclosure/silencer shall be installed wherever noise levels exceed the limit.	Noted Power is supplied to GTU unit from existing Captive Power Plant at Mumbai Refinery or shall be imported from Tata Electric Company, if required. Additional DG set is not required for GTU unit and Existing refinery DG set is not operating continuously. It supplies power to critical equipment's in the refinery only in case of total power failure.
V.	Fresh water requirement from MCGM shall not exceed 15950 m3/day. After expansion and prior permission shall be obtained from competent authority. About 300 m³/hr of cooling water blow down will be discharged to sea.	Noted
vi.	Comprehensive water audit to be conducted on annual basis and report to the concerned Regional Office of MoEF & CC. Outcome from the report to be implemented for conservation scheme.	Noted
vii	Automatic/online monitoring system (24 X 7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB, Regional Office of MoEF&CC and in the Company's website.	On line analyzers have been provided at Effluent Treatment Plant outlet for measuring PH, BOD, COD & TSS with continuous connectivity to CPCB/ MPCB servers. ETP outlet water is 100% recycled to raw
Viii	The Company should strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000. Hazardous waste should be disposed of as per Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and amended time to time.	Complied Hazardous Waste is disposed of as and when generated as per Hazardous waste rules and as per Consent to Operate issued by MPCB to MPCB approved Recycler party M/s MWML (Mumbai Waste Management Ltd.). (Refer Annexure-1: Membership Certificate of M/s MWML). Hazardous Waste annual return form (Form-IV) is filled up every year before 30th June of every year for previous financial year. For 2023-24, Form- IV was filled on 29th June-2024. Please refer Annexure-2.
ix.	Acoustic enclosure/silencer shall be installed wherever it is possible.	Noted
X.	Occupational Health Surveillance of the workers should be done on regular basis and records maintained as per the Factories Act.	Noted Periodic Health check-up for employees is carried out regularly.

xi. Green belt over 33% area should be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.

Noted

GTU unit is within the premises of existing Mumbai refinery. Tree plantation is being carried out in and around Chembur / Mumbai to mitigate the effect of emissions.

- In the year 2014-15, 10000 tree saplings were planted at various locations around Mumbai (Among these saplings, 3000 were planted at AMPC Vashi to develop four acres of green belt in the heart of Navi Mumbai. Refer Annexure- 3: Certificate from APMC Vashi).
- In 2016-17, more than 3000 trees were planted at MIDC area at Taloja. (Refer Annexure- 4: Certificate from M/s Mumbai Waste Management Limited (MWML)).
- In 2017-18, 5000 Trees were planted at Thane Municipal Corporation in the year 2017. (Refer **Annexure- 5**: Certificate from TMC, Thane).
- In 2018-19, more than 1350 saplings were planted at Marine Oil Terminal area, MBPT area, inside BPCL refinery and National Park Borivali.
- In 2019-20, a total of 10000 tree saplings were planted at different locations around Mumbai regions through M/s CERE and all the trees were Geotagged. (Refer Annexure- 5a: Certificate M/s CERE)
- In 2020-21, a total of 300 tree saplings were planted at Mumbai through M/s Unique Pest Control.
- In 2021-22, a total of 1000 tree saplings were planted using MIYAWAKI METHOD at LTT Railway Station Mumbai through M/s Green Yatra. Also, a total of 145 number of trees of native species were planted at Trees for Tigers, Panna, Tiger Reserve, Madhya Pradesh, India through M/s Grow Trees.
- In 2022-23 around 3200 trees have been planted by BPCL MR at Station 6, Sewree and Swami Vivekanand College locations.

		 In 2023-24 around 2000 trees have been planted using Miyawaki method at NITIE college campus.
xii.	The company should make the arrangement for protection of possible fire and explosion hazards during construction and operation phase. To prevent fire and explosion at oil and gas facility, potential ignition sources shall be kept to a minimum and adequate separation distance between potential ignition sources and flammable materials shall be in place.	Noted
xiii.	All the recommendations motioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.	As per risk assessment report, blast proof control room has been built up at GTU site. Hydrocarbon & H2S meters has been installed at critical locations.
xiv.	At least 2% of the total cost of the project shall be earmarked towards the Enterprises Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry Of Regional Office. Implementation of such program shall be ensured accordingly in a time bound manner.	Noted
XV.	Zero liquid discharge to be ensured.	Noted There is no additional requirement of fresh water and no additional generation of effluent from GTU project. ETP outlet water is 100% recycled to process cooling towers.

B.GENERAL CONDITIONS:

Sr.	Condition	STATUS as on 01.12.2024
No.		(April-2024 to September-2024)
i.	The project authorities must strictly adhere to the	Noted
	stipulations made by the Maharashtra Pollution	
	Control Board (SPCB), State Government and any	
	other statutory authority.	
ii.	No further expansion or modifications in the plant	Noted
	shall be carried out without prior approval of the	
	Ministry of Environment, Forest and Climate	
	Change. In case of deviations or alterations in the	
	project proposed 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 station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Three Ambient Air Quality Monitoring Stations are existing in the refinery for on-line monitoring of PM-10, PM-2.5, SO2, NOx, CO, Ammonia, Ozone and Meteorological parameters of Wind speed, Wind Direction, Temperature & Relative humidity as per National Ambient Air Quality Standards (NAAQS). Real time AMS data is being transmitted to CPCB/ MPCB site. Also, online data of parameters namely Benzene, Toluene, O/M/P- Xylene and Methane & Non Methane hydrocarbon from AMS have been successfully connected and transmitted to MPCB and CPCB servers since 31st Dec 2018. Also, Mercaptan analyzer has been installed at AMS and data is being transmitted to MPCB/CPCB servers. As per MPCB, there is no additional requirement of Continuous Ambient Air Quality Monitoring Station for GTU project.
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.	Noted Ambient Air quality data is being collected at three locations in the existing refinery (AMS-1/2/3). The quality is conforming to the standard as specified in the NAAQS.
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 should conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules and 1989 viz. 75 dBA (daytime) and 70 dBA (night time).	Noted Ambient Noise levels conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules. Also, sign painting is done for High Noise area and instructions have been mentioned to use PPEs.
Vi.	The company shall harvest rain water from roof tops of the buildings and storm water drains to recharge the ground water and use the same waste for the process activities to the project to conserve fresh water.	Noted Rain water harvesting systems are provided at BPCL MR with roof top capacity of 69000 sqm. Around 2527 sq m roof top area has been added in 2023-24 for RWH. Details of total Rain water harvested are as below: 2016-17: 88 Thousand KL 2017-18: 65.7 Thousand KL 2018-19: 42.8 Thousand KL

		2010 20, 71 Thousand I/I
		2019-20: 71 Thousand KL
		2020-21: 67 Thousand KL
		2021-22: 33 Thousand KL
		2022-23: 51 Thousand KL
		2023-24: 53 Thousand KL
		2024-25: 62 Thousand KL
vii.	Training shall be imparted to all employees on	Noted
	safety & health aspects of chemicals handling. Pre	Safety trainings are carried out for BPCL
	-employment & routine periodical medical	employees as well as contractor employees
	examinations for all employees shall be undertaken	which includes Hands on fire fighting,
	on regular basis. Training to all employees on	Behavior based safety training & safety in
	handling of chemicals shall be imparted.	refining etc. Mandatory periodic health check
		is done for employees and also pre-
		employment check is carried out at BPCL
		medical center. Comprehensive safety
		training is provided to contractor staff during
		registration process by Fire & Safety Dept.
viii.	The company shall also comply with all the	Noted
	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 and risk mitigation measures relating	
	to the project shall be implemented.	
ix.		Noted
12.	The company shall undertake all relevant measures for improving the socio-economic	CSR activities are conducted on regular
		_
	conditions of the surrounding area. CSR activities	basis for local villages which involves Cancer
	shall be undertaken by involving local villages and	screening camp, Eye screening camp Blood
	administration.	donation camp, Public health center,
		Ambulance service during emergency,
		providing fish nets to local fishermen.
х.	The company shall undertake eco-developmental	Noted
	measures including community welfare measures	BPCL is providing scholarships to needy
	in the project area for the overall improvement of	students through local schools. Also
	the environment.	felicitates 10 th & 12 th std. students every
		year.
		Environment (HSSE) department carries out
		tree plantation and awareness functions in
		nearby schools as a part commitment
		towards sustainable environment.
		Various activities such as drawing/painting
		competitions, nukkad natak, LED bulb
		distribution, beach cleaning etc. carried out
		for "MISSION LIFE".
xi.	A separate Environmental Management Cell	There is no requirement of additional
	equipped with full-fledged laboratory facilities shall	Laboratory for GTU Project. Existing BPCL
	be set up to carry out the Environmental	Laboratory is used for GTU. Refinery has a
	Management and Monitoring functions.	full-fledged NABL approved Laboratory.
	management and monitoring functions.	Tuil-lieugeu NADE apploveu Eabolatory.
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		BPCL refinery already has an Environment
		section to carry out environmental
		management and monitoring functions.
xii.	The company shall earmark sufficient funds	Noted
	towards capital cost and recurring cost per annum	
	to implement the conditions stipulated by the	Various Environmental projects incurring
	Ministry of Environment, Forest and Climate	capital expenditure are being carried out
	Change as well as the State Government along	regularly.
	3	regularly.
	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 clearance letter shall be sent by the	Noted
	project proponent to concerned Panchayat, Zilla	Environment Clearance letter has been put
	Parishad / Municipal Corporation, Urban local Body	on the BPCL corporate website
	and the Local Body and the local NGO, if any from	www.bharatpetroleum.in/Energizing
	whom any suggestions / representations, if any,	Environment/Health Safety & Environment /
	from whom suggestions / representations, if any,	which is accessible to all. Environment
	were received while processing the proposal.	Clearance letter is being sent to MPCB.
xiv.	The project proponent shall also submit six monthly	Complied.
AIV.		•
	reports on status of compliance of the stipulated	Six monthly compliance statement is being
	Environmental Clearance conditions including	uploaded on PARIVESH portal of MoEF&CC
	results of monitored data (both in hard copies as	and soft copy is being sent to CPCB, and
	well as by e-mail) to the Regional office of	SRO/ RO office of MPCB through e-mail.
	MoEF&CC, the respective Zonal Office of CPCB	The Environment Clearance and six monthly
	and SPCB. A copy of Environment Clearance and	compliance report was also published on the
	six monthly compliance status report shall be	BPCL corporate website.
	posted on the website of the company.	
XV.	The Environmental Statement for each financial	Duly filled form V (Environment Statement)
	year ending 31st March in Form-V as is mandated	for every financial year is submitted to MPCB
	to be submitted to the concerned State Pollution	office before 30th Sept of every assessment
	Control Board as prescribed under Environment	year.
	(Protection) Rules, 1986, as amended	
	subsequently, shall also be put on the web site of	For 2023-24 also, Form-V was submitted to
	company along with compliance of Environmental	MPCB on 30 th Sep-2024. Please refer
	Clearance conditions and shall also be sent to the	Annexure- 6.
	respective Regional Office of MoEF&CC by e-mail.	Aillexure- 0.
vo di	· · · · · · · · · · · · · · · · · · ·	Complied
xvi.	The project proponent shall inform the public that	Complied
	the project has been accorded environmental	O have set to alterior E. Olasson
	clearance by the Ministry and copies of the	Subsequent to obtaining Env. Clearance
	clearance letter are available with the	from MoEF for GTU, dt 20th March-17, the
	SPCB/Committee and may also be seen at	same was published in two newspapers
	Website of Ministry at http://moef.nic.in. This shall	(Indian Express in English & Maharashtra
	be advertised within seven days from the date of	Times Marathi) on 7 th of April 2017.
	issue of the clearance letter, at least in two local	Annexure- 7 & 8.
	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 same shall be	
	forwarded to the Regional Office of the Ministry.	
xvii.	The project authorities shall inform the Regional	Noted
	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 commencing	
	the land development work.	

Compliance Status Report for Kerosene Treatment Unit (KHT) & integration with existing Diesel Hydro treatment Unit (DHT) along with revamp of DHT to produce 100% BS-VI grade fuel (Capacity 2.83 MMTPA of DHT)

EC Letter no. J-11011/21/2015-IA II (I) dated 30th Mar-2021

As per stipulations given in the Environmental Clearance for Kerosene Treatment Unit (KHT) & integration with existing Diesel Hydro treatment Unit (DHT) along with revamp of DHT to produce 100% BS-VI grade fuel (Capacity 2.83 MMTPA of DHT).

DHDT Unit was commissioned on 26.06.2017 and KHT was commissioned in 16.02.2023.

Specific Conditions:

Sr. No.	SPECIFIC CONDITION	STATUS as on 01.12.2024 (April-2024 to September-2024)
i.	Compliance to all the environmental conditions stipulated in the environmental clearance letter no. J-11011/180/2008-IA II(I) dated 28th April, 2008, F.No.J-11011/140/2012-IA II I dated 12th June 2013, J-11011/582/2011-IA II (I dated 7th June 2013and J-11011/270/270/2013-IA (I) dated 8th August 2014, shall be satisfactorily implemented and compliance reports submitted to Ministry's regional office at Bhopal.	Compiled Compliance reports are uploaded on PARVISH portal of MoEF & on six monthly basis.
ii.	M/s BPCL shall comply with new 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
III.	Continuous on-line stack monitoring for SO2, NOx and CO of all the stacks shall be carried out. Low NOx burers shall be installed.	KHT unit doesn't have furnace and stack. Analyzers are installed at DHT stacks for continuous on-line monitoring of SO2, NOx CO and PM. Low NOx burners are provided.
Iv	The process emissions [SO2, NOx, HC (Methane & No-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 shall be immediately	The following features at DHDT process emissions to conform with the standards prescribed under EPA • Fuel gas is fired in the furnaces. • Air pre-heater provided for improving efficiency

	put out of operation and shall not be restarted until the desired efficiency of the pollution control device has been achieved.	 Provision of stack dampers, on-line indication for stack temperature, excess O2. Stacks of adequate height. At BPCL refinery, Ambient Air Quality monitoring is carried out on regular basis which includes parameters SOX, NOx, CO, O3, NH3, PM-10. PM-2.5, Hydrocarbon. Also analyzers have been installed at each AMS for transmitting data to MPCB/ CPCB server.
V.	Leak Detection and Repair program shall be prepared and implemented to control HC/VOC emissions. Focus shall be given to prevent fugitive emission 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 yard etc. must be regularly monitored. Sensors for detecting HC leakage shall be provided at strategic locations.	LDAR program is already being followed in the existing refinery as per GSR-186 (E). Compressors, exchangers, pumps, valves, equipment's, etc. are being regularly monitored for identifying VOC emissions and rectifying the identified leaks. HC leak detectors are provided in the plant area at strategic locations. Preventive maintenance schedule exists for all critical pumps / compressors and is being adhered to. Please refer Annexure-8 for typical LDAR report of BPCL Mumbai Refinery.
vi.	SO2 emissions after expansion from the plant shall not exceed 10.44 TPD, Sulphur recovery units shall be installed for control of H2S emissions.	Noted
	As proposed, record of sulphur balance shall be	Noted
vii	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
viii	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	Three Ambient Air Quality Monitoring Stations are existing in the refinery. Online monitoring of PM-10, PM-2.5, SO2, NOx, H2S, CO, Methanic & non methanic hydrocarbons, benzene, Ammonia, Ozone etc. is being carried out as per National Ambient Air Quality Standards (NAAQS). Real time data is continuously sent to CPCB / MPCB site.

	monitoring results shall also be carried out. Adequate measures based on the trend analysis shall be taken to improve the ambient air quality in the project area.	conforming with the standard as specified in the NAAQS. Please refer Annexure-9 for typical AAQMS report of BPCL Mumbai Refinery.
x.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Besides, acoustic enclosure/silencer shall be installed wherever noise levels exceed the limit.	Noted Power is supplied to DHT/KHT units from existing Captive Power Plant (CPP) at the Refinery. Additional requirement of power shall be imported from Tata Electric Company. Additional DG set is not required for DHT/KHT units.
xi.	Total fresh water requirement from Municipal Corporation of Greater Mumbai after expansion shall not exceed 16,100m3/day. After expansion and prior to permission shall be obtained from competent authority.	Noted
xii	Industrial effluent generation shall not exceed 155 m ³ /Hr and treated in effluent treatment plant. Treated effluent shall be fully as make-up water for raw water cooling towers. Domestic Sewage shall be treated in sewage treatment plant (STP)	Treated effluent is fully recycled as make water to various raw water cooling towers in the Refinery. A new Sewage Treatment plant with a capacity of 250 CMD for administrative block has been commissioned in Dec 2014.
xiii.	Oil catchers/oil traps shall be provided at all possible locations in rain/storm water drainage system inside the factory premises.	Oil catchers equipped with skimmers, weirs, drum skimmer, rope skimmer, hay filters etc. have been provided.
xiv.	As committed, BPCL needs to implement the outcome of study for water reduction and its optimize use as result of water auditing. No process effluent shall be discharged outside the premises.	Noted
XV.	Automatic /online monitoring system (24X7 monitoring devices) For flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to respective SPCB, Regional office of MoEF & CC and Company's site	Noted
xvi.	Oily sludge shall be disposed off into Cocker. Annual oily sludge generation and disposal data shall be submitted to Ministry of Regional offices and CPCB.	Not Applicable There is no coker installed at BPCL Mumbai Refinery.
xvii	The Company should strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules,1989 as amended in October, 1994 and January,2000 Hazardous waste should be disposed of as per	Complied

has membership of Mumbai
anagement Limited, which is TSDF. ip certificate is attached as
-1.
er Annexure-10 for details of
Responsibility for
ental protection (CREP).
fer feedback of point no A-xi
in GTU EC compliance report
details.
completed and commissioned.

B.GENERAL CONDITIONS:

Sr. No.	Condition	STATUS as on 01.12.2024 (April-2024 to September-2024)
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.	Complied
ii.	No further expansion or modifications in the project shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviation or alterations in the project proposed 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.	Noted
iii.	The project authorities must strictly comply with the rules & regulation under manufacture. Storage and import of Hazardous chemical Rules, 2000 as amended subsequently. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate, etc. must be obtained, wherever applicable.	Compiled
iv.	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, enclosure etc, on all sources of noise generation. The ambient noise levels should conform the standards prescribed under Environmental (Protection) Act, 1986 Rules and 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Complied
V.	A separate environmental management cell equipped with full-fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	BPCL refinery already has an Environment section to carry out environmental management and monitoring functions. The Refinery also has a full-fledged NABL approved Laboratory.
vi.	Adequate funds shall be earmarked towards capital cost and recurring cost for environment pollution control measures and shall be sued to implement the conditions stipulated by MOEF as well as state government along with implementation schedule for all the conditions stipulated herein. Funds so provided should not be diverted for any other purpose.	Adequate funds are being provided for environment pollution control measures. Various Environment projects incurring capital expenditure are being carried out regularly.
vii.	The Regional office of the Ministry/ central pollution board / state pollution control board will monitor the	Complied.

	stipulated conditions. A six monthly compliance report	_
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	and the monitored data along with statistical	
	interpretation shall be submitted to them regularly.	
viii.	A copy of clearance letter shall be sent by the	Complied.
	proponent to concerned Panchayat, Zillparishad /	
	Municipal Corporation Urban Local Body and Local	Please Refer GTU compliance report as
	NGO, if any from whom any suggestions /	on 31.03.2024 for further details.
	representations, if any, here received while	
	processing proposal. The clearance letter shall be put	
	on web site of company proponent.	
ix.		Complied.
17.	compliance of stipulated environment clearance	Six monthly compliance statement of EC
	conditions, including results of monitored data on their	is being uploaded on PARIVESH portal of
	_	
	website and shall update the same update	MoEF&CC and soft copy is being shared
	periodically. It should simultaneously send to Regional	with CPCB and MPCB.
	office of MoEF, the respective Zonal office of CPCB	
	and SPCBThe criteria of pollutant levels namely	The compliance report is also posted on
	PM ₁₀ ,PM _{2.5} ,SO ₂ ,NOX,HC (Methane & Non-Methane)	the BPCL corporate website.
	, VOC's (ambient levels as well as stack emission)or	
	critical sect oral of parameters, indicated for projects	Environmental display board has been
	shall be monitored and displayed at the convenient	provided at the main gate of the refinery,
	location near main gate of the company in public	which continuously displays ambient air
	domain.	quality monitored at the north west corner
		of the refinery.
X.	The project proponent shall also submit six monthly	Complied
	reports on status of compliance of stipulated	
	environmental conditions including results of	Six monthly compliance statement of EC
	monitored data (both in hard copies as well as by	is being uploaded on PARIVESH portal of
	email) to the Regional office of MoEF, the respective	MoEF&CC and soft copy is being shared
	Zonal Office of CPCB and SPCB. The Regional Office	with CPCB and MPCB.
	of Ministry/CPCBSPCB shall monitor the stipulated	With Or OB and Wil OB.
	conditions.	
		Compliad
XI.	The Environmental Statement for each financial year	Complied
	ending 31st March in Form-V as mandated to be	
	submitted by project proponent concerned SPCB as	
	prescribed under Environment (Protection) Rules,	
	1986, as amended subsequently, shall also be put on	
	the web site of company along with compliance of	
	Environmental conditions and shall also be sent to	
	respective Regional Office of MoEF by e-mail.	
xii.	The project proponent shall inform the public that the	Subsequent to obtaining Env. Clearance
	project has been accorded environmental clearance	from MoEF & CC for DHT, dt 13th August-
	by the ministry and copies of the clearance are	15, the same was published in two
	available with the SPCB and may also be seen at	newspapers (Indian Express in English &
	website of Ministry of Environment and Forests at	Maharashtra Times Marathi) on 25 th
	http:/envfor.nic.in. This shall be advertised within	August-2015.
	seven days from the date of issue of clearance letter,	
	at least in two local newspapers that are widely	
	circulated in the region of which one shall be in	
	circulated in the region of which one shall be in	

	vernacular language of the locality concerned, and a copy of same shall be forwarded to the Regional Office.	
xiii	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 commencing the land development work.	Noted

Compliance Status Report for Conversion of existing Catalytic Reformer Unit (CRU) to Isomerization Unit (ISOM) and revamp of existing Naphtha Hydro desulfurization Unit (NHDS) at BPCL Mumbai Refinery (MR)

EC Letter no. J-11011/270/2013-IA II (I) dated 8th Aug 2014

Proposal No.- IA/MH/IND/20217/2013

As per the stipulations given in the Environmental Clearance for Conversion of existing Catalytic Reformer Unit (CRU) to Isomerization Unit and revamp of existing Naphtha Hydro desulfurization Unit (NHDS), the detailed compliance status is given below:

Sr.	Specific Condition	STATUS as on 01.12.2024
No.		(April-2024 to September-2024)
i.	Compliance to all the environmental conditions	Complied
	stipulated in the environmental clearance letter no. J-	
	11011/180/2008-IA II(I) dated 28th April, 2008,	
	F.No.J-11011/140/2012-IA II I dated 12th June 2013	
	shall be satisfactorily implemented and compliance	
	reports submitted to ministry's regional office at	
	Bhopal.	
ii.	M/s BPCL shall comply with new standards/norms	Complied
	for Oil Refinery Industry notified under the	
	Environment (Protection) Rules. 1986 vide G S R	
	186(E) dated 18th March,2008 and GSR 820(E)	
	dated 9th November 2012.	
iii.	Continuous on-line stack monitoring for SO2,NOx	Complied
	and CO of all the stacks shall be carried out. Low	
	NOx burners shall be installed.	
iv.	The process emissions [SO2,NOx,HC (Methane &	Complied
	No-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 shall be immediately	
	put out of operation and shall not be restarted until	
	the desired efficiency of the pollution control device	
	has been achieved.	

	Last Detection and Deneis assessment shall be	Committee
V.	Leak Detection and Repair programme shall be	Complied
	prepared and implemented to contain HC/VOC	
	emissions. Focus shall be given to prevent fugitive	
	emission 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 yard etc. must be regularly monitored.	
	Sensors for detecting HC leakage shall be provided	
	at strategic locations.	
vi.	SO2 emissions after expansion from the plant shall	Tail Gas Treatment Units (TGTU) was
	not exceed 10.44 TDP, Sulphur recovery units shall	commissioned for increasing existing
	be installed for control of H2S emissions. The overall	SRU efficiency to 99.9%.
	sulphur recovery efficiency of Sulphur recovery unit	
	with tail gas treating shall not be less than 99.9 %.	
vii.	As proposed, record of sulphur balance shall be	Noted
	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.	
viii.	Ambient air quality monitoring stations, [PM10,	Complied
	PM2.5, SO2, NOx, H2S, mercaptan, non-methane-	'
	HC and Benzene] shall be set up in the complex in	
	consultation with Maharashtra 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.	Ambient air quality data shall be collected as per	Complied
174.	NAAQEA standards notified by the Ministry on 16th	Compiled
	November, 2009 and trend analysis w.r.t. past	
	monitoring results shall also be carried out. Adequate	
	measures based on the trend analysis shall be taken	
	to improve the ambient air quality in the project area.	
X.	The gaseous emissions from DG set shall be	Complied
^.	dispersed through adequate stack height as per	Complica
	CPCB standards. Acoustic enclosure shall be	Power is supplied to ISOM unit from
	provided to the DG sets to mitigate the noise	Captive Power Plant existing at the
	pollution. Besides, acoustic enclosure/silencer shall	refinery, or shall be imported from Tata
	be installed wherever noise levels exceed the limit.	Electric Company.
	DE MISIAMEN WHELEVEL MOISE IEVEIS EXCEED MIE IIIMI.	DG set is not operating continuously. It
		supplies power to critical equipments in
		the refinery only in case of total power
	Total row water requirement from Ministral	failure.
xi.	Total raw water requirement from Municipal	Complied
	Corporation of Greater Mumbai water supply shall	
	not exceed 16500 m3/day. Industrial effluent shall be	
	treated in the effluent treatment plant. Treated	
	effluent shall be recycled/reused recycled as make	
	up for the raw water cooling tower. Domestic sewage	
	shall be treated in sewage treatment plant (STP).	

xii.	Oil catchers/oil traps shall be provided at all possible locations in rain/storm water drainage system inside the factory premises.	Oil catchers equipped with skimmers, weirs, oil adsorbent booms, pillows, hay filters etc have been provided.
xiii.	Oily sludge shall be disposed off into Coker. Annual Oily sludge generation and disposal data shall be submitted to the Ministry's Regional Office and CPCB.	Not Applicable There is no coker installed at BPCL Mumbai Refinery. Other Oily sludge generated in the refinery is subject to mechanical/chemical treatments for oil recovery, and the residual sludge is bioremediated using bacteria.
xiv.	The Company should strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000 Hazardous waste should be disposed of as per Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and amended time to time.	Complied
xv.	The membership of common TSDF should be obtained for the disposal of hazardous waste. Copy of authorization or membership of TSDF should be submitted to Ministry's Regional Office at Bhopal Chemical/inorganic sludge shall be sent to treatment storage disposal facility (TSDF) for hazardous waste. Spent catalyst shall be sent to authorized recyclers/re-processors.	BPCL MR has membership of Mumbai Waste Management Limited, which is authorized TSDF. A membership certificate is attached as Annexure-2.
xvi.	Proper oil spillage prevention management plan shall be prepared to avoid spillage/leakage of oil/petroleum products and ensure regular monitoring.	Proper oil spillage prevention management plan exist. Closed sampling system has been provided to avoid spillage/leakage of oil. Gully sucker is available in the refinery to take care of any spillages.
xvii.	The company shall strictly follow all the recommendation mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).	Please refer Annexure-10 for details of Corporate Responsibility for Environmental Protection (CREP).
xviii.	To prevent fire and explosion at oil and gas facility, potential ignition sources shall be kept to a minimum and adequate separation distance between potential ignition sources and flammable materials shall be in place.	Complied
xix.	Green belt shall be developed at least in 45 acres area land around the plant premises to mitigate the effects of fugitive emissions all around the plant as per the CPCB guidelines in consultation with DFO. Thin greenbelt with suitable plant species shall be developed around unit. Selection of plant species shall be as per the CPCB guidelines.	Please refer feedback of point no A-xi mentioned in GTU EC compliance report for further details.
XX.	All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.	Complied
xxi.	Company shall adopt Corporate Environment Policy as per the Ministry's OM No J-11013/41/2006-IA II(I) dated 26 th April 2011 and implemented.	BPCL MR is an ISO 14001 certified company. Quality, Environment, Occupational Health & Safety policy as

		per Integrated Management Systems is in place.
xxii.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Project is completed and commissioned.

Sr. No.	General Condition	STATUS as on 01.12.2024 (April-2024 to September-2024)
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.	Complied
ii.	No further expansion or modifications in the project shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviation or alterations in the project proposed 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	Noted
iii.	The project authorities must strictly comply with the rules & regulation under manufacture. Storage and import of Hazardous chemical Rules, 2000 as amended subsequently. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate, etc. must be obtained, wherever applicable.	Complied
iv.	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, enclosure etc, on all sources of noise generation. The ambient noise levels should conform the standards prescribed under Environmental (Protection) Act, 1986 Rules and 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Complied
V.	A separate environment management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	BPCL MR already has an Environment section to carry out environmental management and monitoring functions. The Refinery also has a full-fledged NABL approved Laboratory.
vi.	Adequate funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures and shall be used to implement the conditions stipulated Ministry of Environment and Forests as well as state government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Various Environmental projects incurring capital expenditure are being carried out regularly.

viii.	The Regional Office of this Ministry / Central Pollution control Board / State Pollution Control Board will monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly. 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 be put on the web site of the company by the proponent.	Complied Six monthly compliance Report is being uploaded on PARIVESH portal of MoEF&CC and soft copy is being shared with CPCB and MPCB. Also, it is published on BPCL corporate website. Complied
ix.	The project proponent shall upload the status of compliance of the stipulated environmental conditions including the results of 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 levels, namely PM10, PM2.5, SO2, NOx, HC (Methane & non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied Six monthly compliance Report is being uploaded on PARIVESH portal of MoEF&CC and soft copy is being shared with CPCB and MPCB. Also, it is published on BPCL corporate website. Environmental display board has been provided at Refinery Main Gate which continuously displays ambient air quality monitored at the north west corner of the refinery.
X.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional office of MoEF, the respective zonal office of CPCB, and the SPCB. The Regional office of this ministry,/CPCB/SPCB shall monitor the stipulated conditions.	Six monthly compliance Report is being uploaded on PARIVESH portal of MoEF&CC and soft copy is being shared with CPCB and MPCB. Also, it is published on BPCL corporate website.
xi.	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 Environmental conditions and shall also be sent to the respective Regional Offices of the MoEF by e-mail.	Complied
xii.	The project proponent shall inform the public that the project has been accorded environmental clearance by the ministry and copies of the clearance are available with the SPCB and may also be seen at website o Ministry of Environment and Forests at http:/envfor.nic.in. This shall be advertised within seven days from the date of issue of clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in vernacular language of the locality concerned, and a	Subsequent to obtaining Env. Clearance from MoEF for ISOM, dt 8th August-14, the same was published in two newspapers (Indian Express in English & Maharashtra Times Marathi) on 3 rd of September 2014.

	copy of same shall be forwarded to the Regional Office.	
xiii.	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 commencing the land development work.	Noted.

Compliance Status Report for Construction of new Crude Distillation Unit and Vacuum Distillation Unit (CDU-4) as a replacement of two old crude and vacuum units at BPCL Mumbai Refinery.

EC Letter no. J-11011/140/2012-IA II (I) dated 12th June 2013

Proposal No.- IA/MH/IND/2761/2012

The Ministry of Environment and Forests accorded environmental clearance for the project as per EIA Notification dated 14th September 2006.

Status of the projects (as of 1.07.2016)

As per the stipulations given in the Environmental Clearance for construction of new CDU/VDU (CDU4) as a replacement of two old units,

CDU-4 Unit was commissioned on 30/11/2015

SPECIFIC CONDITIONS:

Sr.	SPECIFIC CONDITION	STATUS as on 01.12.2024
No.		(April-2024 to September-2024)
I	Compliance to all the environmental conditions	Complied
	stipulated in the environmental clearance letter no. J-	
	11011/180/2008-1A II (I) dated 28 th April 2008 shall be	
	satisfactorily implemented and compliance reports	
	submitted to the Ministry's Regional Office at Bhopal.	
ii.	M/s BPCL shall comply with new standards/norms for	Complied
	Oil Refinery Industry notified under the Environment	
	(Protection) Rules. 1986 vide G S R 186(E) dated 18 th	
	March,2008 and GSR 820(E) dated 9th November-	
	2012	
III.	Continuous on-line stack monitoring for SO2, NOx and	Complied
	CO of all the stacks shall be carried out. Low NOx	
	burners shall be installed.	
lv	The process emissions [SO2, NOx,HC (Methane &	Complied
	No-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	

	-	<u></u>
	event of failure of pollution control system(s) adopted	
	by 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.	
V.	Leak Detection and Repair programme shall be	Complied
	prepared and implemented to con HC/VOC emissions.	'
	Focus shall be given to prevent fugitive emission for	
	which preventive maintenance of pumps, valves,	
	pipelines are requited. 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 yard etc. must be regularly	
	monitored. Sensors for detecting HC leakage shall be	
	provided at strategic locations.	
vi.	SO2 emissions after expansion from the plant shall not	Complied
	exceed 10.44 TDP, 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 %.	
	As proposed, record of sulphur balance shall be	Complied
	maintained at the Refinery as part of the environmental	
vii	data on regular basis. The basic component of sulphur	
	balance include sulphur input through feed (sulphur	
	content incrude oil), sulphur output from Refinery	
	through products, byproduct (elemental sulphur),	
	atmospheric emissions etc.	
Viii	Ambient air quality monitoring	Complied
	stations,[PM10,PM2.5,SO2, NOx, H2S, mercaptan,	
	non-methane-HC and Benzene] shall be set up in the	
	complex in consultation with Maharashtra 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.	
lx	Ambient air quality data shall be collected as per	Complied
	NAAQEA standards notified by the Ministry on 16th	
	November-2009 and trend analysis w.r.t. past	
	monitoring results shall also be carried out. Adequate	
	measures based on the trend analysis shall be taken	
	to improve the ambient air quality in the project area.	
Х.	The gaseous emissions from DG set shall be	Noted
_^.	1	
	dispersed through adequate stack height as per CPCB	Power is supplied to new CDU/VDU
	standards. Acoustic enclosure shall be provided to the	(CDU4) unit from Captive Power Plant
	DG sets to mitigate the noise pollution. Besides,	existing at the refinery, or shall be
	acoustic enclosure/silencer shall be installed wherever	imported from Tata Electric Company.
	noise levels exceed the limit.	Additional DG set is not required for
		CDU4 unit.
		CDU4 unit.

xi.	Total raw water requirement from Municipal Corporation of Greater Mumbai water supply shall not exceed 687.4 m3/hr and prior permission shall be obtained from the competent authority. Industrial effluent generation from new CDU/VDU project shall be 60 m3/hr and treated in the effluent treatment plant. Treated effluent shall be recycled /reused recycled as	Complied
	make up for the raw water cooling tower. Domestic sewage shall be treated in sewage treatment plant (STP).	
xii.	Oil catchers/oil traps shall be provided at all possible locations in rain/storm water drainage system inside the factory premises.	Complied
Xiii	Oily sludge shall be disposed off into Coker. Annual Oily sludge generation and disposal data shall be submitted to the Ministry's Regional Office and CPCB.	Not applicable
xiv	The Company should strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules,1989 as amended in October, 1994 and January,2000 Hazardous waste should be disposed of as per Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and amended time to time	Complied
xv	The membership of common TSDF should be obtained for the disposal of hazardous waste. Copy of authorization or membership of TSDF should be submitted to Ministry's Regional Office at Bhopal Chemical/inorganic sludge shall be sent to treatment storage disposal facility (TSDF) for hazardous waste. Spent catalyst shall be sent to authorized recyclers/reprocessors.	Complied
xvi.	Proper oil spillage prevention management plan shall be prepared to avoid spillage/leakage of oil/petroleum products and ensure regular monitoring.	Proper oil spillage prevention management plan exists. Closed sampling system has been provided to avoid spillage/leakage. Gully Sucker is available in the refinery to take care of any spillages.
xvii.	The company shall strictly follow all the recommendation mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).	Complied. Please refer Annexure-10 for details Corporate Responsibility for Environmental Protection (CREP).
xviii.	To prevent fire and explosion at oil and gas facility, potential ignition sources shall be kept to a minimum and adequate separation distance between potential ignition sources and flammable materials shall be in place.	Complied
xix.	Green belt shall be developed at least in 45 acres area land around the plant premises to mitigate the effects of fugitive emissions all around the plant as per the	Being old refinery established in 1955, there is space constraint. Hence tree plantation is carried out in & around

	CPCB guidelines in consultation with DFO. Think	Mumbai Region outside refinery to
	greenbelt with suitable plant species shall be	develop greenbelt. In last 10 years,
	developed around unit. Selection of plant species shall	around 50000 trees have been planted
	be as per the CPCB guidelines.	in & around Mumbai region.
XX.	All the issues raised and commitment made during the	Complied
	public hearing/consultation meeting held on 25th	
	September,2012 shall be satisfactorily implemented.	
	Accordingly, provision of budget to be kept.	
xxi	Based on Hazop study carried out and	Complied
	recommendation to reduce the risk shall be	
	expediously implemented, and report sent to regional	
	office of ministry	
vodi	Company shall adopt Corporate Environment policy as	BPCL MR is an ISO 14001 certified
xxii	Company shall adopt Corporate Environment policy as	
XXII	per ministry's O.M. No J-11013/41/2006-IA II(I) dated	company. Quality, Environment,
XXII		company. Quality, Environment, Occupational Health & Safety policy as
XXII	per ministry's O.M. No J-11013/41/2006-IA II(I) dated	company. Quality, Environment,
XXII	per ministry's O.M. No J-11013/41/2006-IA II(I) dated	company. Quality, Environment, Occupational Health & Safety policy as
xxiii	per ministry's O.M. No J-11013/41/2006-IA II(I) dated	company. Quality, Environment, Occupational Health & Safety policy as per Integrated Management Systems is
	per ministry's O.M. No J-11013/41/2006-IA II(I) dated 26 th April 2011 and implemented.	company. Quality, Environment, Occupational Health & Safety policy as per Integrated Management Systems is in place.
	per ministry's O.M. No J-11013/41/2006-IA II(I) dated 26 th April 2011 and implemented. Provision shall be made for the housing of construction	company. Quality, Environment, Occupational Health & Safety policy as per Integrated Management Systems is in place.
	per ministry's O.M. No J-11013/41/2006-IA II(I) dated 26 th April 2011 and implemented. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure	company. Quality, Environment, Occupational Health & Safety policy as per Integrated Management Systems is in place.
	per ministry's O.M. No J-11013/41/2006-IA II(I) dated 26 th April 2011 and implemented. 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,	company. Quality, Environment, Occupational Health & Safety policy as per Integrated Management Systems is in place.
	per ministry's O.M. No J-11013/41/2006-IA II(I) dated 26 th April 2011 and implemented. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche	company. Quality, Environment, Occupational Health & Safety policy as per Integrated Management Systems is in place.
	per ministry's O.M. No J-11013/41/2006-IA II(I) dated 26 th April 2011 and implemented. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary	company. Quality, Environment, Occupational Health & Safety policy as per Integrated Management Systems is in place.

A. GENERAL CONDITIONS:

Sr.	Condition	STATUS as on 01.12.2024
No.		(April-2024 to September-2024)
i.	The project authorities must strictly adhere to the	Noted
	stipulations made by the State Pollution Control	
	Board (SPCB), state government and any other	
	statutory authority.	
ii.	No further expansion or modifications in the project	Noted
	shall be carried out without prior approval of the	
	Ministry of Environment and Forests. In case of	
	deviation or alterations in the project proposed 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 project authorities must strictly comply with the	Complied
	rules & regulation under manufacture. Storage and	
	import of Hazardous chemical Rules, 2000 as	
	amended subsequently. Prior approvals from Chief	
	Inspectorate of Factories, Chief Controller of	

	Explosives, Fire Safety Inspectorate, etc. must be	
	obtained, wherever applicable.	
iv.	The overall noise levels in and around the plant area shall be kept well within the standards by providing	Noted
	noise control measures including acoustic hoods, silencers, enclosure etc, on all sources of noise	
	generation. The ambient noise levels should	
	conform the standards prescribed under	
	Environmental (Protection) Act, 1986 Rules and 1989	
	viz. 75 dBA (daytime) and 70 dBA (nighttime).	
V.	A separate environment management cell equipped	Noted
	with full-fledged laboratory facilities must be set up to	
	carry out the environmental management and	BPCL MR already has an Environment
	monitoring functions.	section to carry out environmental
		management and monitoring functions.
		The Refinery also has a full-fledged NABL approved Laboratory
vi.	Adequate funds shall be earmarked towards capital	Adequate funds are being provided for
	cost and recurring cost/annum for environment	environmental pollution control
	pollution control measures and shall be used to	measurement.
	implement the conditions stipulated Ministry of	
	Environment and Forests as well as state	
	government along with the implementation schedule for all the conditions stipulated herein. The funds so	
	provided shall not be diverted for any other purpose.	
vii.	The Regional Office of this Ministry / Central Pollution	Complied
	control Board / State Pollution Control Board will	
	monitor the stipulated conditions. A six monthly	
	compliance report and the monitored data along with	
	statistical interpretation should be submitted to them	
:::	regularly.	Compliad
viii.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila	Complied
	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 be put on the web site of the company by the	
	proponent.	
ix.	The project proponent shall upload the status of	Complied
	compliance of the stipulated environmental conditions including the results of 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 levels, namely PM10,	
	PM2.5, SO2, NOx, HC (Methane & non-methane),	
	VOCs (ambient levels as well as stack emissions) or	
	critical sectoral parameters indicated for the projects	

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	shall be monitored and displayed at a convenient	
	location near the main gate of the company in the	
	public domain	
X.	The project proponent shall also submit six monthly	Complied
	reports on the status of the compliance of the	
	stipulated environmental conditions including results	
	of monitored data (both in hard copies as well as by	
	e-mail) to the Regional office of MoEF, the respective	
	zonal office of CPCB, and the SPCB. The Regional	
	office of this ministry,/CPCB/SPCB shall monitor the	
	stipulated conditions.	
xi.	The Environmental statement for each financial year	Complied
	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	
	Environmental conditions and shall also be sent to	
	the respective Regional Offices of the MoEF by e-	
	mail	
xviii.	The project proponent shall inform the public that the	Subsequent to obtaining Env. Clearance
AVIII.	project has been accorded environmental clearance	from MoEF for CDU/VDU, dt 12 th June-
	by the ministry and copies of the clearance are	13, the same was published in two
		·
	available with the SPCB and may also be seen at	newspapers (Indian Express in English &
	website o Ministry of Environment and Forests at	Maharashtra Times Marathi) on 18th of
	http:/envfor.nic.in. This shall be advertised within	June 2013.
	seven days from the date of issue of clearance letter,	
	at least in two local newspapers that are widely	
	circulated in the region of which one shall be in	
	vernacular language of the locality concerned, and a	
	copy of same shall be forwarded to the Regional	
	Office.	
xix.	Project authorities shall inform the Regional office as	Noted
	well as the Ministry, the date of financial closure and	
	final approval of the project by the concerned	
	authorities and the date of commencing the land	
	development work.	

<u>Compliance Status Report for Installation of Continuous Catalytic Regeneration Reformer (CCR 1.2 MMT) at BPCL Mumbai Refinery</u>

Reference to Letter no. F. No. J-11011/180/2008-IA II(I), DATED 28/4/2008 and J-11011/582/2011-1A II (I) dated 7^{th} June 2013.

The Ministry of Environment and Forests accorded environmental clearance for installation of new Continuous Catalytic Regeneration Reformer (CCR 1.2 MMTPA) within the premises of BPCL Mumbai Refinery. As per the stipulations given in the Environmental Clearance, the detailed compliance status is given below:

Status of the CCR Project

CCR Unit commissioned on 04.03.2014 and on grade product diverted to storage on 08.03.2014. Project completed.

Sr. No.	SPECIFIC CONDITIONS	STATUS as on 01.12.2024 (April-2024 to September-2024)
i.	Compliance to all the Environmental conditions	Complied
	stipulated in the environmental clearance letter no	
	J-11011/180/2008-1A II (I) dated 28th April 2008 shall be satisfactorily implemented and compliance reports	
	submitted to the Ministry's Regional office at Bhopal	
ii.	M/s BPCL shall comply with new standards/norms for	Complied
	Oil refinery Industry notified under Environment	·
	(Protection) Rules 1986 vide GSR 186 (E) dated 18th	
	March 2008	
iii.	Continuous on-line stack monitoring for SO2, NOx	Complied
	and CO of all the stacks shall be carried out. Low	
	NOx burners shall be installed.	
iv.	The process emissions (SO2, NOx, HC (Methane &	Complied
	Non methane)}, VOC's and benzene from various	
	units shall conform to the standards prescribed under	
	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.	
V.	Leak detection and Repair program 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 storage tank yards etc. must be regularly monitored. Sensors for detecting HC leakage shall be provided at strategic locations.	Complied
vi.	SO2 emissions after expansion from the plant shall not exceed 12 TPD. Sulfur recovery units shall be installed for control of H2S emissions. The overall sulfur recovery efficiency of Sulfur recovery units with tail gas treating shall not be less than 99.9%.	Noted
vii.	As proposed, record of sulfur balance shall be maintained at the refinery as a part of the environmental data on regular basis. The basic component of sulfur balance include sulfur input through feed (sulfur content in the crude oil), sulfur output from refinery through products, by products, atmospheric emissions etc.	Noted
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 Maharashta 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.	Noted
ix.	Ambient air quality data shall be collected as per N AAQES standards notified by the ministry on 16 th November 2009 and trend analysis wrt past monitoring results shall be also carried out. Adequate measures based on the trend analysis shall be taken to improve the ambient air quality in the project area.	Noted
X.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Besides acoustic enclosure/silencer shall	Power is being provided to CCR unit from existing Captive Power Plant at the refinery or is being imported from Tata Electric Company.

	be installed where ever noise pollution exceeds the limit.	Additional DG set is not required for CCR unit.
xi.	Total raw water requirement for the proposed project shall not exceed 4995 m3/day and prior permission shall be taken from competent authority. Industrial effluent generation from CCR unit shall not exceed 129 m3/day. Industrial effluent shall be treated in effluent treatment plant. Treated effluent shall be recycled /re-used in the existing cooling tower. Domestic sewage shall be treated in sewage treatment plant. (STP)	Noted
xii.	Oil catchers/oil traps shall be provided at all possible locations in rain/storm water drainage system inside the factory premises.	Noted
xiii.	Oily sludge shall be disposed off into Coker. Annual oily sludge generation and disposal data shall be submitted to the ministry's Regional office and CPCB.	Not Applicable There is no coker installed at BPCL Mumbai Refinery. There is no oily sludge generation from CCR complex. Other Oily sludge generated in the refinery is subject to
		mechanical/chemical treatments for oil recovery and the residual sludge is bioremediated using bacteria to reduce oil content below 0.5 wt% before it can be disposed off as per Hazardous waste Rule 2016.
xiv.	The company should strictly comply with the rules and guidelines under manufacture, storage and import of hazardous chemicals Rules 1989 as amended in October 1994 and January 2000.Hazardous waste should be disposed off as per Hazardous waste (Management, Handling and Trans-boundary movement) rules 2008 and amended time to time.	Noted
XV.	The membership of common TSDF should be obtained for the disposal of hazardous waste. Copy of authorization or membership of TSDF should be submitted to Ministry's regional office at Bhopal. Chemical/inorganic sludge shall be sent to Treatment storage disposal facility (TSDF) for hazardous waste. Spent catalyst shall be sent to authorized recyclers/re-processors.	Complied

xvi.	Proper oil spillage prevention management plan shall	Complied
	be prepared to avoid spillage/leakage of oil/petroleum products and ensure regular monitoring.	Closed sampling system has been provided to avoid spillage/leakage of oil.
		Gully Suckers are available to take care of any spillage. Close Blow down system is operational for close draining of hydrocarbons during maintenance activity. Oil catchers are provided for removing oil from water going out of refinery.
xvii.	The company shall strictly follow all the	Noted
	recommendation mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP)	Please refer Annexure-10 .
xviii.	To prevent fire and explosion at oil and gas facility,	Noted
	potential ignition sources shall be kept to minimum and adequate separation distance between potential	
	ignition sources and flammable materials shall be in	
	place.	
xix.	Green belt shall be developed at least in 33% of the	Please refer feedback of point no A-xi
	plant area in and around the plant premises to	mentioned in GTU compliance report.
	mitigate the effect of fugitive emissions all around the	
XX.	plant as per the CPCB guidelines. All the recommendations mentioned in the rapid risk	Noted
700	assessment report, disaster management plan, and	110100
	safety guidelines shall be implemented.	
xxi.	All the issues raised and commitment made during	Noted
	public hearing/consultation meeting held on the 25 th	
	September 2012 shall be satisfactorily implemented. Accordingly, provision of budget to be kept.	
xxii.	Company shall adopt Corporate Environment policy	BPCL MR is an ISO 14001 certified
	as per ministry's O.M. No J-11013/41/2006-IA II(I)	company. Quality, Environment,
	dated 26th April 2011 and implemented.	Occupational Health & Safety policy as
vor!!!	Dravision shall be made for the bession of	per Integrated Management System.
xxiii.	Provision shall be made for the housing of construction labour within the site with all necessary	Project is completed and commissioned.
	infrastructure and facilities such as fuel for cooking,	
	mobile toilets, safe drinking water, medical health	
	care, crèche etc.The housing may be in the form of	
	temporary structures to be removed after the	
	completion of the project.	

SR. NO.	GENERAL CONDITIONS	STATUS as on 01.12.2024 (April-2024 to September-2024)
i	. The project authorities must strictly adhere to the	Noted
	stipulations made by the State Pollution Control Board	

	(CDCD) state government and any other statutory	
	(SPCB), state government and any other statutory	
	authority.	
ii.		Noted
	shall be carried out without prior approval of the	
	Ministry of Environment and Forests. In case of	
	deviation or alterations in the project proposed 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 project authorities must strictly comply with the	Noted
	rules & regulation under manufacture. Storage and	
	import of Hazardous chemical Rules, 2000 as	
	amended subsequently. Prior approvals from Chief	
	Inspectorate of Factories, Chief Controller of	
	Explosives, Fire Safety Inspectorate, etc. must be	
	· · · · · · · · · · · · · · · · · · ·	
	obtained, wherever applicable.	Noted
IV.	The overall noise levels in and around the plant area	Noted
	shall be kept well within the standards by providing	
	noise control measures including acoustic hoods,	
	silencers, enclosure etc, on all sources of noise	
	generation. The ambient noise levels should conform	
	the standards prescribed under Environmental	
	(Protection) Act, 1986 Rules and 1989 viz. 75 dBA	
	(daytime) and 70 dBA (nighttime).	
V.	A separate environment management cell equipped	Noted
	with full-fledged laboratory facilities must be set up to	
	carry out the environmental management and	
	monitoring functions.	
vi.	Adequate funds shall be earmarked towards capital	Noted
	cost and recurring cost/annum for environment	
	pollution control measures and shall be used to	
	implement the conditions stipulated Ministry of	
	Environment and Forests as well as state	
	government along with the implementation schedule	
	for all the conditions stipulated herein. The funds so	
	provided shall not be diverted for any other purpose.	
vii.	The Regional Office of this Ministry / Central Pollution	Noted
"	control Board / State Pollution Control Board will	
	monitor the stipulated conditions. A six monthly	
	compliance report and the monitored data along with	
	statistical interpretation should be submitted to them	
	·	
, ,;;;	regularly.	Noted
viii.	, ,	INOTEC
	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 be put on the web site of the company by the	
iv.	proponent. The project proponent shall upload the status of	Noted
IX.	compliance of the stipulated environmental conditions	Noted
	•	
	including the results of 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 levels, namely PM10,	
	PM2.5, SO2, NOx, HC (Methane & non-methane),	
	VOCs (ambient levels as well as stack emissions) or	
	critical sectoral parameters indicated for the projects	
	shall be monitored and displayed at a convenient	
	location near the main gate of the company in the	
	public domain.	
x	The project proponent shall also submit six monthly	Complied
Λ.	reports on the status of the compliance of the	Complica
	stipulated environmental conditions including results	
	of monitored data (both in hard copies as well as by	
	,	
	e-mail) to the Regional office of MoEF, the respective	
	zonal office of CPCB, and the SPCB.The Regional	
	office of this ministry,/CPCB/SPCB shall monitor the	
	stipulated conditions.	
xi.	The Environmental statement for each financial year	Complied
	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	
	Environmental conditions and shall also be sent to the	
	respective Regional Offices of the MoEF by e-mail.	
xii.	The project proponent shall inform the public that the	Subsequent to obtaining Env. Clearance
Λ	project has been accorded environmental clearance	from MoEF for CCR (1.2 MMTPA), the
	• •	same was published in two newspapers
	by the ministry and copies of the clearance are	
	available with the SPCB and may also be seen at	(Indian Express in English &
	website o Ministry of Environment and Forests at	Maharashtra Times Marathi) on 13th of
	http:/envfor.nic.in. This shall be advertised within	June 2013.
	seven days from the date of issue of clearance letter,	
	at least in two local newspapers that are widely	
	circulated in the region of which one shall be in	
	vernacular language of the locality concerned, and a	
	copy of same shall be forwarded to the Regional	
	Office.	
xiii.	Project authorities shall inform the Regional office as	Noted
	well as the Ministry, the date of financial closure and	
	final approval of the project by the concerned	

	authorities and the date of commencing the land
	development work.

Compliance Status Report for modernization of Mumbai Refinery by replacing old Catalytic Cracking Unit (CCU) and Fluidized Catalytic Cracking Unit (FCCU) with the new state of the art Petro Resid Fluidized Catalytic Cracking Unit (PRFCCU) & associated facilities

EC Letter no. J-11011/145/2018-1A II (I) dated 5th Aug-2019

BPCL Mumbai Refinery has submitted application to MoEF & CC for amendment of EC Letter no. J-11011/145/2018-1A II (I) for CRZ approval.

Application No.: Proposal No.: IA/MH/IND2/130402/2019

Reason for Amendment: In view of CRZ, Environment Clearance (EC) for PRFCC amendment is in progress.

Compliance of EC:

Post receipt of amended EC for PRFCC project at BPCL Mumbai refinery, EC compliance will be submitted.



Towards sustainable growth

Mumbai Waste Management Limited

Certificate

M/s, Bharat Petroleum Corporation Ltd. Mumbei Refinery

is a registered member of

CHW-TSDF at MIDC, Taloja

for safe & secure disposal of

Hazardous Waste.

Membership no.: MWML - HzW MUM-3247.

This Certificate is valid up to

31st march-2025

J. Harris

Onkar A. Kulkarni Manager - MBD Somnath Malgar Director



Maharashtra Pollution Control Board

Annexure-2

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Form 4

See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

FORM FOR FILING ANNUAL RETURNS

[To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

Unique Application Number:Submitted On:Industry TypeMPCB-HW ANNUAL RETURN-000004937229-06-2024Generator

Submitted for Year:

2024

1. Name of the generator/operator of facility Address of the unit/facility

SHRI. ABHAI RAJ SINGH BHANDARI , EXECUTIVE DIRECTOR, MUMBAI
REFINERY
BHARAT PETROLEUM CORPORATION LTD.,
MUMBAI REFINERY, MAHUL, CHEMBUR,
MUMBAI-400074

1b. Authorization Number Date of issue Date of validity of

 consent

 Format1.0/CAC/UAN No.MPCBCONSENT- 0000173030/CR/2310000717
 Oct 10, 2023
 Aug 31, 2023

2. Name of the authorised person

ATUL VYAWAHARE, DGM I/C, ENVIRONMENT

Full address of authorised person

HSSE, BHARAT PETROLEUM CORPORATION LTD., MUMBAI REFINERY, MAHUL, CHEMBUR, MUMBAI-400074

TelephoneFaxEmail02225533198NAvyawaharead@bharatpetroleum.in

3. Production during the year (product wise), wherever applicable

Product Type *	Product Name *	Consented Quantity	Actual Quantity	UOM
Oil Refinery (Mineral Oil or Petro Refineries)	LPG (Liquified Petroleum Gas), POLY PROPYLENE FEED STOCK	1764.0000	1376	MT/Day
Oil Refinery (Mineral Oil or Petro Refineries)	BENZENE, TOLUENE, XYTOL	180.0000	145	
Oil Refinery (Mineral Oil or Petro Refineries)	Special Naphtha (SBP 55/115 DEG C), HEXANE (FGH 64-69 DEG C), Motor Spirit (MS), MTBE, NAPTHA, Other Solvents	9122.0000	10101	
Oil Refinery (Mineral Oil or Petro Refineries)	Superior Kerosene (SK, LABFS), Mineral Turpentine (MTO), Aviation Turbine Fuel (ATF)	3450.0000	2436	
Oil Refinery (Mineral Oil or Petro Refineries)	High Speed Diesel (HSD BS IV, Navy Grade HSD), Light Diesel Oil	19500.0000	19218	
Oil Refinery (Mineral Oil or Petro Refineries)	HS Furnace Oil (FO). Low Sulfur Heavy Stock (LSHS), BITUMEN (VG40, VG30 & VG10), SULFUR	5587.0000	5334	
Oil Refinery (Mineral Oil or Petro Refineries)	LUBE OIL BASE STOCK (LOBS)	1233.0000	1005	

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

Type of hazardous waste	Wate Name	Consented Quantity	Quantity	UOM
4.2 Spent catalyst	Spent Alumina	2538.750	8.62	MTA
4.2 Spent catalyst	Spent Catalyst	2538.750	1070.02	MTA
4.2 Spent catalyst	Spent Charcoal	2538.750	49.33	MTA
4.2 Spent catalyst	Spent Coke	2538.750	25.23	MTA
4.2 Spent catalyst	HCU Spent Catalyst Dust	2538.750	12.05	MTA
4.2 Spent catalyst	Spent PSA Adsorbent	2538.750	195.13	MTA
4.2 Spent catalyst	Spent Catalyst Silica From HCU	2538.750	12.21	MTA
33.2 Contaminated cotton rags or other cleaning materials	Oil Soaked Mixed Debries	50.000	5.35	MTA
4.1 Oil sludge or emulsion	Residual Oily Sludge	8100.000	3911	MTA
4.3 Slop oil	Slop Oil	270000.000	81542	MTA
4.2 Spent catalyst	CCU Spent Catalyst	2538.750	5.79	MTA
4.1 Oil sludge or emulsion4.3 Slop oil	Residual Oily Sludge Slop Oil	270000.000	81542	MTA

2. Quantity dispatched category wise.

Type of Waste 4.2 Spent catalyst	Quantity of waste 469.52	UOM MTA	Dispatched to Disposal Facility	Facility Name MUMBAI WASTE MANAGEMENT LTD. PLOT NO P-32, MIDC TALOJA, PANVEL. RAIGAD. NAVI MUMBAI-410208
4.2 Spent catalyst	1070.02	MTA	Recycler or Actual user	M/s. Vyankatesh Metals & Alloys Pvt. Ltd./lvUs. Rubamin Ltd./M/s Refracast Metallurgical Pvt.Ltd.
4.1 Oil sludge or emulsion	3911	MTA	Disposal Facility	To be bioremediated inside Refinery
4.3 Slop oil	81542	МТА	Disposal Facility	Recycle and Reprocessing along with Crude inside Refinery

3. Quantity Utilised in-house,If any

Type of Waste	Name of Waste	Quantity of Waste	UOM	
	NA	0	MTA	

4. Quantity in storage at the end of the year

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	0	MTA

5. Quantity disposed in landfills as such and after treatment

Type Direct landfilling	Quantity NA	UOM KL/Anum
Landfill after treatment	NA	KL/Anum
6. Quantity incinerated (if applicable)	UOM	
NA	KL/Anum	

Place MUMBAI **Date** 2024-06-29

Designation

DGM I/C ENVIRONMENT



Mumbai Agricultural Produce Market Committee, Mumbai

(ESTD. 1977)

TELEPHONES :

HEAD, OFF.

2788 9416 2788 8414

HEAD OFFICE : Central Building, Sector-18, Vashi, Navi Mumbai - 400 703

EPABX FAX

91-22-27889507

BRANCH OFFICE : Shri Chhatrapati Shivaji Maharaj Mandai, 3rd Floor, Palton, Mumbai - 400 001.

BRANCH OFF. :

2261 6624

FAX

2261 4888

E-mail: mapmc@bom3.vsnl.net.in

NO.APMC/ENGG.DEPT./ 50 /14

Date: 4/12/14

To,

BPCL Mumbai Refinery, Mahul, Chembur, Mumbai 400 074.

Sub: Certification Letter.

Ref: Your request letter No.TA/PC/Gen-II, dtd. 27.11.2014.

Sir,

With reference to the above subject, this is to certify that BPCL Mumbai Refinery (Environment Department) has planted a total No. of 3050 tree saplings at Plot No.8 and Plot no.10 area of APMC, Sector-19, Vashi, Navi Mumbai. The plantation is covering an area of approximately 4 acres. The plantation was carried out in the monsoon season of 2014. The saplings planted are in healthy condition and have gained firm roots as on date, 30th November, 2014.

> loner & Secretary Mumbal APMC, Mumbai.



Mumbai Waste Management Ltd.

Plot No. P-32, MIDC Taloja, Dist. Raigad, Tal. Panvel Maharashtra 410 208. India Tel.: 022-2740 1468 to 71 & 2741 1473

Fax: 022-2740 1474

Email: mbdmwml@ramky.com www.mumbaiwastemanagement.com

Date: 26/10/2016To,

To,

Bharat Petroleum Corporation Limited

8931/TA/111, Mahul, Chembur

Mumbai -400074

Sub: Tree Plantation at Mumbai Waste Management Ltd.

Kind Attn: Mr. Joshi

Dear Sir,

As you are aware that your esteemed firm had allotted 3000 trees for plantation at MWML Premises on the occasion of World Environment Day 2016.

MWML is grateful to you for this warm gesture and we would like to inform you that these trees have been planted in our premises at Taloja.

For your reference we are enclosing few photographs with this letter.

Thank You

Sincerely,

Authorized Signatory

Mumbai Waste Management Ltd.

Certified by

ISO 9001:2008

1

ISO 14001:2004

Tel.: 040-2301 5000 (40 Lines) • Fax: 040-2330 2353 • Website: www.ramky.com

दुरध्वनी :२५३३१२११ २५३३१२८०



ठाणे महानगरपालिका, ठाणे

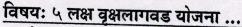
महानगरपालिका भवन,डॉ.अल्मेडा रोड, चंदनवाडी, पांचपाखाडी, ठाणे ४००६०२ THE MUNICIPAL CORPORATION OF THE CITY OF THANE

संदर्भ क्र : ठामपा/वृप्रा/वृअ - (020

दि. 231 € /२०१७

चला एकत्र येऊया : ठाणे हिरवेगार करुया !

प्रति, मे. भारत पेट्रोलियम कॉर्पोरेशन लि., भारत भवन, करीमभॉय रोड, बेलार्ड इस्टेट, मुंबई. ४००००१



संदर्भ : १. आपले दि.२५/०५/२०१७ रोजीचे पत्र.

२. ठामपा/वृप्रा/वृअ-५२० दि. १३/०६/२०१७

३. आपले आ.क्र. २२२९ दि. २३/०६/२०१७ रोजीचे पत्र.

महोदय,

संदर्भ क्र. २ च्या पत्रान्वये आपणास ५ लक्ष वृक्षलागवड योजनेचा शुभारंभ जागतिक पर्यावरण दिनी ५ जून २०१७ रोजी करण्यात आला असून आपणामार्फत आपल्या स्वःखर्चाने या योजनेमध्ये ५००० वृक्षांचा पुरवठा करण्याबाबत कळविले आहे.

संदर्भ क्र. ३ च्या पत्रान्वये आपणामार्फत वृक्षांचे रोपण करण्याबाबत व त्यांच्या दैनंदिन निगा व देखभालीबाबत विचारणा करण्यात आलेली आहे.

सदर अनुषंगाने आपणास कळविण्यात येते की, आपणामार्फत पुरवठा करण्यात येणाऱ्या वृक्षांचे रोपण व त्यांची दैनंदिन निगा व देखभाल ठाणे महानगरपालिकेमार्फत करण्यात येईल.

वरीलप्रमाणे रोपे उपलब्ध करुन देण्याबाबत उलट टपाली इकडे कळविण्यात यावे व रोपे पुरवठा बाबत प्रगती अहवाल gs@thanecity.gov.in या ई-मेलवर पाठविणेत यावा.

आपण पर्यावरण रक्षणासाठी ठाणे महानगरपालिकेस करीत असलेल्या सहकार्याबद्दल आभार !

केंदार पाटील) वृक्षअधिकारी

ठाणे महानगरपालिका, ठाणे.

प्रत: मा. अति- आयुक्त सो। यांचे माहितीसाठी सविनय सादर ...





Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2024

Unique Application Number

MPCB-ENVIRONMENT STATEMENT-0000074103

Submitted Date

30-09-2024

PART A

Company Information

Company Name

Bharat Petroleum Corporation Limited

Address

BPCL Mumbai Refinery, Mahul Gaon, Chembur, Mumbai-400074

Plot no

Capital Investment (In lakhs)

1225449 Pincode

234/482

400074

Telephone Number

02231073198

Region

SRO-Mumbai III

Last Environmental statement

submitted online

ves

Consent Valid Upto

2023-08-31

Industry Category Primary (STC Code) & Secondary (STC Code)

Application UAN number

NA

Taluka

Kurla

Scale L.S.I

Person Name

Atul Vyawahare

Fax Number

Red

Consent Number

Industry Category

Format1.0/CAC/UAN No.MPCB CONSENT-0000173030/CR/2310000717

Establishment Year

1955

Village Mahul

City Mumbai

Designation

DGM I/C (Environment)

Email

vyawaharead@bharatpetroleum.in

Industry Type

R56 Oil Refinery (mineral Oil or Petro Refineries)

Consent Issue Date

2023-10-10

Date of last environment statement

submitted

Jan 1 1900 12:00:00:000AM

Product Information

Product Name LPG (Liquified Petroleum Gas), POLY PROPYLENE FEED STOCK	Consent Quantity 643860	Actual Quantity 503537	<i>UOM</i> MT/A
BENZENE, TOLUENE, XYTOL	65700	52945	MT/A
Special Naphtha (SBP 55/115 DEG C), HEXANE (FGH 64-69 DEG C), Motor Spirit (MS), MTBE, NAPTHA, Other Solvents	3329530	3696970	MT/A
Superior Kerosene (SK, LABFS), Mineral Turpentine (MTO), Aviation Turbine Fuel (ATF)	1259250	891407	MT/A
High Speed Diesel (HSD BS IV, Navy Grade HSD), Light Diesel Oil	7117500	7033940	MT/A
HS Furnace Oil (FO). Low Sulfur Heavy Stock (LSHS), BITUMEN (VG40, VG30 & VG10), SULFUR	2039255	1952128	MT/A

R	/-	nrod	luct	Information
D	7-	pı ou	uct	iiii oi iiia cioii

By Product Name **Consent Quantity Actual Quantity UOM** NA MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day		
Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day

Process 20405.00 16097.00

Cooling 153790.00 60000.00

0.00

Domestic 1408.00 750.00 All others

Total 175603.00 76847.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Process Effluent	5760	2136	CMD
Sea cooling water blowdown	146319	40000	CMD
Domestic Effluent	235	25	CMD

0.00

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	иом
NA	0	0	MT/A

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials **During the Previous During the current UOM** financial Year Financial year

Crude Throughput 14494604 15193854 MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
GAS	338501	208231	MT/A
LSHS	232542	189850	MT/A
COKE	109500	77164	MT/A
RLNG	335727	177357	MT/A
BHAG	22630	0	MT/A
NAPHTHA	9271	0	MT/A
PSA OFF GAS	94900	347169	MT/A

Part-C

PH 0 Oil & Grease 0 BOD (3 days 27'C) 0 COD 0 Suspended Solids 0 Phenols 0 Sulphides 0 CN 0 Ammonia as N 0 TKN 0 Phosphate 0 Cr (Hexavalent) 0		Concentration 7.26 2.81 10.13 102.84 13.37 0.23 0.26 0.005 8.91 25.88	with reasons %variation 0 0 0 0 0 0 0 0 0 0 0 0 0	Standard 6 to 8.5 5 15 125 20 0.35 0.5 0.5 40	NA NA NA NA NA NA NA
Oil & Grease 0 BOD (3 days 27'C) 0 COD 0 Suspended Solids 0 Phenols 0 Sulphides 0 CN 0 Ammonia as N 0 TKN 0 Phosphate 0		2.81 10.13 102.84 13.37 0.23 0.26 0.005 8.91 25.88	0 0 0 0 0 0 0	5 15 125 20 0.35 0.5 0.2 15	NA NA NA NA NA NA NA
BOD (3 days 27'C) 0 COD 0 Suspended Solids 0 Phenols 0 Sulphides 0 CN 0 Ammonia as N 0 TKN 0 Phosphate 0		10.13 102.84 13.37 0.23 0.26 0.005 8.91 25.88	0 0 0 0 0 0	15 125 20 0.35 0.5 0.2 15	NA NA NA NA NA NA
COD 0 Suspended Solids 0 Phenols 0 Sulphides 0 CN 0 Ammonia as N 0 TKN 0 Phosphate 0		102.84 13.37 0.23 0.26 0.005 8.91 25.88	0 0 0 0 0 0	125 20 0.35 0.5 0.2 15	NA NA NA NA NA
Suspended Solids 0 Phenols 0 Sulphides 0 CN 0 Ammonia as N 0 TKN 0 Phosphate 0		13.37 0.23 0.26 0.005 8.91 25.88	0 0 0 0 0	20 0.35 0.5 0.2 15 40	NA NA NA NA
Phenols 0 Sulphides 0 CN 0 Ammonia as N 0 TKN 0 Phosphate 0		0.23 0.26 0.005 8.91 25.88	0 0 0 0	0.35 0.5 0.2 15 40	NA NA NA
Sulphides 0 CN 0 Ammonia as N 0 TKN 0 Phosphate 0		0.26 0.005 8.91 25.88	0 0 0 0	0.5 0.2 15 40	NA NA NA
CN 0 Ammonia as N 0 TKN 0 Phosphate 0		0.005 8.91 25.88 2	0 0 0	0.2 15 40	NA NA
Ammonia as N 0 TKN 0 Phosphate 0		8.91 25.88 2	0 0	15 40	NA
TKN 0 Phosphate 0		25.88 2	0	40	
Phosphate 0	:	2			NΙΛ
			0		NA
Cr (Hexavalent) 0	(3	NA
		0.05	0	0.1	NA
Cr (Total) 0	(0.01	0	2	NA
Pb 0	(0.05	0	0.1	NA
Hg 0	(0.001	0	0.01	NA
Zn 0	(0.05	0	5	NA
Ni 0	(0.02	0	1	NA
Cu 0	(0.04	0	1	NA
V 0	(0.1	0	0.2	NA
Benzene 0	(0.01	0	0.1	NA
Benzo (a)-Pyrene 0	(0.01	0	0.2	NA
	Quantity of Pollutants lischarged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	
SOx 72	259	79.33	0	1700	NA
NOx 33	323	141.03	0	450	NA
CO 20	078	38.64	0	200	NA
SPM 41	16	7.89	0	100	NA
Part-D					

2) From Pollution Control Facilities

4.1 Oil sludge or emulsion 441

Other Hazardous Waste

1) From Process

Hazardous Waste Type Total During Previous Financial year

Total During Current Financial year

3911

0

UOM

MT/A

KL/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
FERROUS SCRAP	2242.7	2756	MT/A
WOOD SCRAP	128.9	52.97	MT/A
DRUMS & TINS	2138	1920	Nos./Y
NON FERROUS SCRAP	99.47	135	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	MT/A

3) Quantity Recycled or Re-utilized within the unit

Wasto Typo

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
4.1 Oil sludge or emulsion	3911	MT/A	NA
4.2 Spent catalyst	1539	MT/A	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
NA	0	MT/A	NA

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
Tree Plantation of 2000 no of trees by Miyawaki Method	0	0	0	0	14	0
Replacement of conventional AFC's (12 nos.) with EFRP blades in NHT CCR	0	0	0	94	30	0
LED in CDU4/CPP SRR (55+50=105 numbers)	0	0	0	1	10	0

Steam trap management RMP SRU (Train D)	19.3	0	0	0	44	0
APC implementation in GTU F-0001 for excess oxygen optimisation	0	4	0	0	0	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental

Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Monitoring of stacks, Noise levels, Fugitive emissions, effluent quality, Ambient Air by Approved Laboratory	Routine Environmental monitoring	40
Tree Plantation of 2000 trees by Miyawaki Method	For CO2 Sequestration	14
Disposal of Hazardous waste	Hazardous waste management rule,2016	71
Installation of 0.29 MWp solar power plant	For power saving and GHG emission reduction	150

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection

Environmental Protection Measures Capital Investment (Lacks)

Tree Plantation of 3000 no of trees in and around Mumbai Region For CO2 Sequestration 13.14

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Based on the national demand for products (HSD/MS/LOBS etc.), crude processing pattern varies leading to variation in product streams with respect to consented production quantities.

Name & Designation

ATUL VYAWAHARE

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000074103

Submitted On:

30-09-2024

सर्वात तरुण महिला वैमानिक उडविणार मिग २९

म. टा. विशेष प्रतिनिधी, मुंबई

सर्वात तरुण वयात वैमानिक बनलेली मुंबईची तरुणी आयेशा अजीझ हिने आता

ध्वनिपेक्षाही अधिक वेगाने आभाळात उडणारे मिग २९ हे रशियन विमान उडविण्याचे मनावर आहे. मुंबईच्या बॉम्बे फ्लाइंग क्लबमध्ये उड्डाण प्रशिक्षण घेतलेल्या

कमर्शिअल वैमानिकाचा परवाना हाती पडला असून, आता अंतराळयात्रेच्या हवाई तळावरून लढाऊ जेट विमान उडविण्यासाठी ती प्रयत्नशील आहे.

ओहे. आईबरोर श्रीनगरला जाताना आयेशा आकाशभरारीचे स्वप्न पाहायची. ती शाळेत

असतानाच तिचे वैमानिक प्रशिक्षण सुरू झाले. १६व्या वर्षीच विद्यार्थी उड्डाण मिळविणारी ती परवाना तरुण महिला बॉम्बे फ्लाइंग ठरली. क्लबमधून तिने वैमानिक उड्डाण प्रशिक्षण घेतले. २०१२मध्ये ती नासामध्ये अंतराळवीराचे

प्रशिक्षण घेण्यासाठीही गेली होती. गेल्या आठवड्यात तिच्या हार्त व्यापारी वैमानिक परवाना (सीपीएल) आला आणि आता तिला मिग २९

आयेशाचे वडील अब्दुल अझीझ हे विमानाचे सारथ्य करण्याचे वेध लागले वरळीस्थित व्यावसायिक असून, तिची आई आहेत. त्यासाठी रशियन एजन्सीशी तिची

मूळची काश्मिरची बारामुल्ला जिल्ह्यातील 🏻 बोलणी सुरू आहेत. बॉम्बे फ्लाइंग क्लबचे 🔻 होती. आव्हानात्मक भरारी घेण्याचे गुण कॅप्टन मिहिर भगवती यांनी सांगितले तिच्यात नेहमीच होते व मिग २९चे नेहमी विमानाने जायची व त्याचवेळी की, ती आमची विद्यार्थिनी राहिली आहे. आव्हानही ती यशस्वीरीत्या पेलेल, असा काश्मिरमधून आलेली ती पहिलीच मुलगी मला विश्वास वाटतो.



या कार्यक्रमाला उपस्थित राहू शकतात. प्रात्यक्षिक सत्र । सौर ऊर्जा संयत्र घटकांची प्रत्यक्ष उभारणी अधिक तपशिल व नोंदणीसाठी संपर्क करा । मर्यादित जागा ४५ • ९९५३९२०६८१, ९९५३९२०४९८ ।



भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड

मुंबई रिफायनरी, माहूल, चेंबूर, मुंबई ४०००७४, महाराष्ट्र

भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड, मुंबई रिफायनरी येथे १००% बीएस-६ प्रतीचे पेट्रोल बनविण्याकरीता गॅसोलीन हायड्रो ट्रीटमेंट संयंत्र (जीटीयु) व संलग्न यंत्रणा (क्षमता ०.९ एमएमटीपीए) उभारणीकरिता पर्यावरणात्मक मंजूरी

पर्यावरण, वने आणि हवामान बदल मंत्रालयाने पत्र क्रमांक. जे–११०११/९८/ २०१६-१अ-२(१) दि. २० मार्च २०१७ अंतर्गत भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड, मुंबई रिफायनरी येथे १००% बीएस–६ प्रतीचे पेट्रोल बनविण्याकरीता गॅसोलीन हायड़ो ट्रीटमेंट संयंत्र (जीटीय) व संलग्न यंत्रणा (क्षमता ०.९ एमएमटीपीए) उभारणीकरिता पर्यावरणात्मक मंजूरी दिली आहे

पर्यावरण, वने आणि हवामान बदल मंत्रालयाद्वारे वितरीत मंजूरी पत्राची प्रत महाराष्ट्र राज्य प्रदूषण नियंत्रण मंडळाकडे उपलब्ध असून त्या पर्यावरण, वने आणि हवामान बदल मंत्रालयाची वेबसाइट http://www.envfor.nic.in वरही उपलब्ध आहेत. सर्व संबंधितांसाठी सदर माहिती जारी करण्यात येत आहे







मुंबई : गेल्या अनेक महिन्यांपासून प्रलंबित असलेल्या पत्रकार हल्लाविरोधी विधेयकाच्या मसुद्यास गुरुवारी राज्य मंत्रिमंडळाच्या बैठकीत मंज़्री देण्यात विधेयक मांडण्यात येणार आहे. आली. आज, शुक्रवारी विधिमंडळ

पत्रकार हल्लाविरोधी विधेयक आज विधिमंडळात

पत्रकारांच्या संघटनांनी पत्रकारांना मुख्यमंत्री देवेंद्र फडणवीस यांच्याकडे मांडण्याचे आश्वासन दिले होते.

अधिवेशनाच्या अखेरच्या दिवशी हे संरक्षण मिळावे, यासाठी पत्रकार केली होती. मुख्यमंत्र्यांनी ही मागणी मान्य हल्लाविरोधी कायदा करण्याची मागणी करताना हे विधेयक या अधिवेशनात

ADVERTORIAL

तुमच्या हिताचे

मुंबई : संभाव्य घर खरेदीदारांवर हाती घेण्यात आलेल्या एका अलिकडच्या अभ्यासातून काही विस्मयजनक गोष्टी कळून आल्या गृह कर्जदारांचा एक मोठा गट, लागू असलेले शुल्क आणि देण्यात येणाऱ्या पूर्ण सवलती यांची कसून तपासणी न करताच गृहकर्जासाठी बँकेची निवड करतात. ५ पैकी ३ कर्जदार, कोण जास्तीत जास्त सवलती देतो ते पाहण्याकरिता अनेक धनकोंकडे जाण्याऐवजी एकाच बँकेत गहकर्जासाठी अर्ज करतात. ह्या अभ्यासात समावेश असलेल्या बहतेक संभावित खरेदीदारांनी सांगितले की, गृहकर्जाबाबत माहिती देणारे त्यांचे प्रमुख स्त्रोत कर्ज देणारी बँक स्वतःच होती किंवा ते ज्यांच्याकडून घर खरेदी करायचे ते बिल्डर तरी होते. "विक्रिस ठेवलेल्या घर मिळकतींची जागा निवडण्यासाठी ग्राहक खूप वेळ खर्च करतात, विविध धनकोंकडून गृह कर्जाची निवड करतांना तसाच उत्साह दिसला पाहिजे. ह्या बाबत केलेले हे थोडेसे संशोधन कर्जदाराकरिता दीर्घ कालावधीत खूपच फायदेशीर ठरू शकते कारण. गृहकर्जीची निवड करताना विचारपूर्वक घेतलेला निर्णय, येणाऱ्या काळात मोठी बचत करू शकतो" श्रीमती मनिषा रावदेव, ग्रेटर जास्तीत जास्त २० वर्षाच्या कालावधीसाठी बँकेच्या चीफ एक्झिक्युटीव्ह ऑफिसर यानी एका निवेदनात असे म्हटले आहे.

तुमच्या अटी निश्चित करा : कर्जासाठी शॉपिंग ठरणे अवघड होण्यामागचे एक प्रमुख कारण विशेष व्याजदर ठरविण्यात आला आहे. आहे, ते म्हणजे त्याचे वेगवेगळे प्रकार, फिक्सड हा बदल घडवून आणा : जेव्हा बँकांनी त्यांचे दर आणि फ्लोटिंग व्याजदर कर्जाचा योग्य प्रकार, कमी केलेले आहेत तेव्हा जुने कर्जदार अजूनही ईएमआय तसेच कर्जाचा कालावधी ह्यावर परिणाम करणाऱ्या व्याजदरावर (आरओआय) कर्जदारांसाठी "स्वीच ओव्हर" केल्याने खरोखर अवलंबून असतो. सोप्या पध्दतीने सांगायचे तर, मोठा फरक पडतो. उदा.- २० वर्षांच्या

बहुतांश घर खरेदीदार 'सुयोग्य घर' शोधण्यात बराच वेळ घालवतात, परंतु त्यातले बहुतेक सर्वच सुयोग्य गृहकर्ज निवडण्याकडे दुर्लक्ष करतात. कर्जदाराला ही चुक नंतरच्या काळात लक्षावधी रुपयांनी महागात पडते.

२० वर्ष कालावधीसाठी रु. १० लाखांच्या कर्जासाठी कर्जदाराने १०.५% व्याजदराने पैसे भरल्यास ग्रेटर बँक देऊ करत असलेल्या व्याजदराच्या तुलनेत रु. ३,१३,४४०/- जास्त रक्कम प्रदान करतो. आताच किंवा कधीच नाही : एप्रिल २०१६ पासून, कर्जाचे दर आधीच जवळपास एक टक्क्याने घसरले आहेत. जागतिक आणि भारतातील आर्थिक स्थिती पाहता, नजिकच्या काळात व्याज दराची पढील कपातीची अपेक्षा नाही. तेव्हा गृह कर्ज घेण्यासाठी हीच सुवर्णसधी आहे

८.५० टक्केच्या सर्वात कमी आणि फिक्स्ड व्याजदराने ग्रेटर बँक तिचे गृह कर्ज देऊ करत आहे. महिला कर्जदारांसाठी ८.४० टक्क्यांचा

उच्च व्याजदरानेच प्रदान करत आहेत. ह्या



श्रीमती मनिषा रावदेव, चीफ एक्झिक्युटीव्ह ऑफिसर दी ग्रेटर बॉम्बे को-ऑपरेटिव्ह बँक लिमिटेड (शेड्युल्ड बँक)

कालावधीच्या (ज्यापैकी ३ वर्षे पूर्ण झाली आहेत) १०५% दराने रु. १० लाखांच्या कर्जासाठी, ८.५% व्याजदराने ग्रेटर बँकेच्या गृह कर्जात केलेल्या स्वीच ओव्हरमुळे कर्जदाराला त्याचे रु. ३,७९,३९२/- वाचवता येतात.

ह्या मर्यादित कालावधीच्या प्रस्तावासाठी सर्व गृह कर्ज हस्तांतरणावरील प्रक्रिया शुल्क देखील ग्रेटर बँकेने माफ केले आहे. परंतु बदल करण्याचे ठरविण्यापूर्वी प्रत्येक बँक देऊ करत असलेल्या बदल पर्यायांची नोंद घ्या लक्षात ठेवा, कर्ज थकबाकी आणि कालावधी जेवढा जास्त तेवढा फायदा जास्त.

टीप : ग्रेटर बँकेने सर्व गृह कर्ज हस्तातरणावरील प्रक्रिया शुल्क माफ केले आहे. मर्यादित कालावधीची सवलत.

Fujitsu General



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Shree Jain Traders 96194 60776, **Dombivali (E):** J.K. Enterprises 0251 3220218, J.K. E Mannadipet. Pondicherry 605107, Ph. 044 43402345. **CIN:** U29308PY1999PTC001499.

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बृहन्मुंबई महानगरपालिका - सार्वजनिक आरोग्य खाते

उष्माघातापासून संरक्षण होण्यासाठी खालील गोष्टी पाळा.

हे करा

- तहान लागलेली नसतानाही पुरेसे पाणी प्या
- उन्हात डोक्यावर छत्री, टोपीचा वापर करा.
- डोके, गळा, चेहऱ्यासाठी ओल्या कपड्याचा
- सौम्य रंगाचे, सैल व कॉटनचे कपडे वापरा.
- अशक्तपणा जाणवत असेल तर त्वरीत डॉक्टरांचा सल्ला घ्या.
- प्रवास करताना पाण्याची बाटली सोबत ठेवा.
- ओआरएस, घरी बनविलेली लस्सी, लिंबूपाणी,
- रात्रीच्या वेळेस घराच्या खिडक्या उघड्या ठेवा.
- आपले घर थंड ठेवण्यासाठी पडदे व सनशेड
- पंख्याचा वापर करा तसेच थंड पाण्याने आंघोळ

हे करु नका

- दुपारी १२ ते ३ शक्यतो बाहेर जाणे अथवा
- मद्यसेवन, चहा, कॉफी व शीतपेय पिणे टाळा. त्यामुळे डिहायड्रेट होते.

उष्माघाताची लक्षणे

- शरीराचे तापमान ४० अंशाच्या पुढे जाणे.
- डोकेंदुखी व धडधड जाणवणे.
- चक्कर, मळमळ व उलट्या होणे. उष्णता असूनही घाम न येणे.
- स्नायू दुखणे व गोळे येणे.
- हृदयाचे ठोके जलद पडणे.
- मनाचा गोंधळ उडणे.

PRO/11/Adv. 2017-18



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money transfer system that uses fingerprint for transactions.

Hanica about topy ing inc and in tellectual property laws. They will also be mentored in entrepreneurship," said Arva.

Congestion on port road eliminated: JNPT

Jams, days-long wait had resulted in truck drivers turning violent in 2015

EXPRESS NEWS SERVICE

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THE JAWAHARLAL Nehru Port Trust (JNPT) has claimed to have eliminated traffic congestion on roads leading to its three terminals.

A source of constant frustration for drivers of trucks delivering cargo to the terminals, who have had to spend hours in queues waiting for their documents to be verified by port officers, the INPT administration has said a number of measures have resulted in zero traffic congestion in the past

Massive traffic jams and days-long waiting period had resulted in truck drivers turning violent in November 2015, attacking port officers policemen, ransacking buildings.

Identifying long queues as a focus area, JNPT chairman Anil Diggikar said the submission of hard copies of documents at the entry gate has been stopped. "We have introduced e-forms and RFID tags, so now truck drivers submit their forms online. Each truck saves at least five minutes,"

The port has also created a traffic management team to regulate traffic, as the local police were not able to do it on their own

The port also introduced what is called the inter-terminal movement, allowing trucks to return to processing areas without having to travel 7.5 km on the port road to exit.

Diggikar said this has led to a 8 per cent drop in congestion on the road and fuel savings of Rs 125 crore.

On Thursday, JNPT also published its figures for financial year 2016-17, recording a marginal increase in its operating income

Its income was Rs 1,677.90 crore in the just-concluded year, compared to Rs 1,665.10 crore in

the previous year.

Owing to an increase in fuel prices, its expenditure rose to Rs 788.49 crore, up 13 per cent from Rs 693.12 crore in 2015-16, said Neeraj Bansal, Deputy Chairman, JNPT.

In 2016-17, the port handled 4.50 million tonne equivalent units (TEUs) of container traffic, the highest since its inception. The port's own cargo terminal, the JNPCT, also logged a significant rise in cargo traffic the previous year, handling 1.53 million

TEUs over 1.43 million TEUs in 2015-16.

Bansal said the first phase of the port's fourth terminal, which is being built in partnership with the Port of Singapore Authority, would be completed by December 2017, while the second phase is expected to be completed by 2023

Each phase will increase the length of the berth by one km and is expected to add 2.4 million TEUs to the

EX-SERVICEMEN CONTRIBUTORY HEALTH SCHEME (ECHS)

EMPLOYMENT NOTICE

ECHS invites application for engagement of Staff as Medical Officer at ECHS **Polyclinic** Mumbai Upnagar, contractual basis for a period of one year. renewable for additional period. For details visit www.echs.gov.in or call 022-25075448 before 24th April 2017.

NOTICE OF RECORD DATE

NOTICE is hereby given pursuant to Section 91 of the Companies Act, 2013 that Monday, 24" April 2017 has been fixed as the Record Date for the purpose of payment of interest to the holders of 11.40% Unsecured Subordinated Perpetual Rated Listed Securities in the form of Non-Convertible Debentures (ISIN:INE245A08034) aggregating ₹ 1,500 crore due on 28' April 2017.

For The Tata Power Company Limited H. M. Mistry Company Secretary

Dated: 6th April 2017

EMPLOYEES' PROVIDENT FUND ORGANISATION

Tel: 28692604 / 28695275 Fax: 28695297

(Ministry of Labour and Employment, Govt. of India) REGIONAL OFFICE MUMBAI-III, KANDIVALI Plot No. 222, BHAVISHYA NIDHI BHAVAN, Charkop, Kandivali (West), Mumbai - 400067

ATTENTION EMPLOYERS/EMPLOYEES/EMPLOYER REPRESENTATIVES/ EMPLOYEE REPRESENTATIVES

Employees Provident Fund Organisation, Regional Office, Kandivali is organising a programme "Nidhi Aapke Nikat" in its office premises on 10th April, 2017 as scheduled below:

1. For Members (dains at 1).

For Members/ claimant/ Pensioners : 10:30 Am to 12:30 Pm
Employers / Worker Representative/ : 3.00 Pm to 5:00 Pm
Exempted Establishments

All the employers/ members/ worker union representatives/pensioners of RO, Kandivali are invited to participate in the programme.

It is organisations endeavor to become more accessible to all its stakeholders by providing platform to approach the office for redressal of grievance/ resolving the difficulties and to educate them on IT related new innovations pertaining to

online customer services/ compliance reporting.

Member/ claimants/ pensioners having grievances/ issues related to customer service may approach on this day with the relevant documents for speedy redressal. Additionally the programme will provide support/ practical demonstration on technical/operational matters as mentioned below:

1. Uploading and approval of KYC data seeded to UAN and member's activation of UAN.

Organising Aadhar Camp in the premises of employers.
 Deposit of EPF dues through Internet Banking.
 Registration and uploading of digital signature for approval of KYC data/

online transfer applications. UAN activation.
 Registration of Digital Life Certificate.

Regional Provident Fund Commissioner Regional Office, Kandivali



Bharat Petroleum Corporation Limited

(A Govt. of India Enterprise)

Mumbai Refinery, Mahul, Chembur, Mumbai 400074, Maharashtra

Environmental Clearance for Installation of Gasoline Hydro Treatment Unit (GTU) 0.9 MMTPA and associated facilities to produce 100% BS VI MS at Bharat Petroleum Corporation Limited, Mumbai Refinery.

Ministry of Environment, Forest & Climate Change has accorded environment clearance for Installation of Gasoline Hydro Treatment Unit (GTU) 0.9 MMTPA and associated facilities to produce 100% BS VI MS at Bharat Petroleum Corporation Limited, Mumbai Refinery vide letter number J-11011/98/2016-IA-II(I) dated 20th March 2017.

Copy of the clearance letter issued by MoEF&CC is available with the Maharashtra State Pollution Control Board and may also be seen at website of the Ministry of Environment, Forest & Climate Change at http://www.envfor.nic.in

This is for the information of all concerned

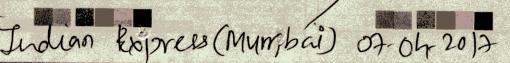








Energising Lives; Energising Business





LDAR VOC MONITORING REPORT FOR BPCL MAHUL.



LEAK DETECTION AND REPAIR (LDAR) PROGRAM REPORT FOR THE MONTH OF JANUARY,2024 TOTAL VOC EMISSION SUMMARY

Sr.No.	Name of the Unit	Date of Monitoring	Total No of Points Monitored	No. of Points Where leaks found beyond standard limits	Total Leak before attending (kg/day)	Total Leak after attending (kg/day)
1	CDU-4	25/01/2024	1063	1	0.084	0
	Tot	al		1	0.084	0

Verified by

Neelima Dalvi

Authorized signatory

Checked by

Shraddha Kere

Technical Manager





LEAK DETECTION AND REPAIR (LDAR) PROGRAM REPORT FOR THE MONTH OF JANUARY,2024

TOTAL VOC EMISSION SUMMARY

	X	
	TOTAL Component wise Points Surveyed	1063
	Sampling Connection	0
	PSV	20
	Exchanger Flanges	0
ΚΥ	Piping Flanges	708
ION SOMMA	Control Valve	20
OLAL VOC EMISSION SUMMARY	Block Valve	300
2	Plant Name Pump Seal Compressor Seal	0
	Pump Seal	15
	Plant Name	CDU-4
	Date	25/01/2024
	SR.No.	1

Checked by

THE MELET

Verified by

Shraddha Kere Technical Manager

Authorized signatory

Neelima Dalvi



LEAK DETECTION AND REPAIR (LDAR) PROGRAM

REPORT FOR THE MONTH OF JANUARY, 2024

			PLANT LEAK SUMMARY	AK SUM	MARY					
Sr.N o	Name of the Unit	Description	Component	Line	Location	Leak Type	Hydrocarb while Mon 25/01	Hydrocarbon Readings while Monitoring.Date 25/01/2024		Hydrocarbon Readings after attending leak Attended on Date 02/02/2024
							mdd	kg/day	mdd	kg/day
П	CDU-4	144-DFV-310 D/S I/V	Valve	4"	Isolation Valve	Gland	1300	0.084	0	0









TEST REPORT

Netel (India) Limited

Name of Organization	: M/s. Bharat Petroleum Corporation	n Ltd.	
Customer Address	: Mahul, Mumbai - 400 074		
Customer Ref.	: 4509073556 Dated 29.07.2022		
MoEFCC Validity	: 16th Oct 2024	NABL Validity	: 16th June 2024
Discipline/Group	: Chemical-Atmospheric Pollution	Test Report No.	: NIL/AA/04/24/010
Sample Type	: Ambient Air	Sample Code	: NIL/AA/04/24/010
Ambient Temperature	: Min: 29 °C Max: 33 °C	Wind Direction	: West
Average Wind Speed	: 16 Km/Hr	Relative Humidity	: Min: 71% Max : 76 %
Sampling Method	: N(I)L/AIR/SOP-12/13/14	Time of Sampling	: 10.00 AM
Instrument Used	: FDS-082, RDS-316	Calibration Date	: 30/11/2023 - 29/12/2024
Sampling Date	: 01.04.2024	Sample Receive Date	: 02.04.2024
Analysis Start Date	: 02.04.2024	Analysis End Date	: 06.04.2024
Reporting Date	: 06.04.2024	Sample Qty &Pckg	: FP (2 nos), CT, Bld & 50ml PB (4 nos)
Sampling Location	: AMS-1	Sampling Done By	: Netel (India)Limited

			1			
Sr. No	Parameter	Result	Consent Limit	Unit	Duration	Method
1	Sulphur Dioxide (SO ₂)	19.6	80	µg/m³	24 Hrs	IS-5182 (Part-02)
2	Oxides of Nitrogen (NO2)	23.8	80	µg/m³	24 Hrs	IS-5182 (Part-06)
3	Particulate Matter (PM ₁₀)	61.6	100	µg/m³	24 Hrs	IS-5182 (Part-23)
4	Particulate Matter (PM _{2.5})	37.2	60	ha/w ₃	24 Hrs	NIL/AIR/SOP/03 based on CPCB Guidline Volume 1- 2011
5	Ozone (O ₃)	2.8	100	µg/m³	8 Hrs	IS-5182 (Part-09)
6	Lead (Pb)	<0.1	0.5	µg/m³	24 Hrs	APHA - Air 3rd Edition (Method 822)
7	Carbon Monoxide (CO)	0.31	2	mg/m³	8 Hrs	IS-5182 (Part-10)
8	Ammonia (NH ₃)	20.4	400	µg/m³	24 Hrs	APHA AIR 3rd Method 401
9	Benzene (C ₆ H ₆)	2.0	5	µg/m³	24 Hrs	IS-5182 (Part-11)
10	Benzo - a - Pyrene (BaP)	<0.5	1	ng/m³	24 Hrs	IS-5182 (Part-12)
11	Arsenic (As)	<1	6	ng/m³	24 Hrs	APHA - Air 3rd Edition (Method 822)
12	Nickel (Ni)	<5	20	ng/m³	24 Hrs	APHA - Air 3rd Edition (Method 822)

Note:

- 1. This Test Report refers only to the sample tested.
- 2. This Test Report shall not be reproduced except in full, without written approval of the Laboratory.
- 3. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

End of Report

Verified by

Neelima Dalvi Technical Manager



Issued by

Shraddha Kere Quality Manager

A Neterwala Group Company

CIN: U74999MH2003PLC142228

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CREP action points for oil refineries:

CREP Point	BPCL reply
A) Air Pollution Management	ы от торгу
A) All I olidion management	
All refineries located in the critically pollution areas, identified by CPCB, will submit an action plan for phase wise reduction of SO2 emissions. Future Refineries will have SRU with minimum 99 % efficiency. To enhance the efficiency of SRUs in the existing refineries, an expert committee will be constituted to look into the various aspects and suggest a road map.	BPCL Mumbai Refinery has installed Sulfur Recovery Units for recovering sulfur from sour gases. In 2017, Tail Gas Treatment Units have been commissioned which has improved sulfur recovery efficiency to 99.99 %.
With regard to NOX emission, the new refinery/ process units will be installed to low NOx burners. For retrofitting of low NOx burners in existing units, the expert committee will suggest the strategies and action plan including NOx std.	All process units in BPCL MR have been equipped with Low NOx burners.
The flare losses will be minimized and monitored regularly.	BPCL Mumbai Refinery has provided Flare recovery system where flare gases are recovered and treated in Fuel Gas treatment unit. After removing H2S, treated flare gases are diverted to fuel gas system for burning into furnace.
Refineries shall install CEMS for SOX, NOX in major stacks with proper calibration facilities	As per CPCB guideline, all refinery stacks have been provided with Sox, NOx, CO and SPM analyzers with proper calibration facilities. Stack analyzer details are continuously transmitted to CPCB/ MPCB server on real time basis. Also as per recent CPCB direction, dynamic limits have been incorporated for mixed fuel fired furnace.
Refineries will also monitor total HC and benzene in the premises (particularly at Loading-Unloading operations and ETP).	Ambient air quality monitoring is carried out on regular basis through MOEF approved and NABL accredited third party LAB. AMS are connected to MPCB/CPCB servers and data is transmitted on real time basis. Benzene/Toluene/Hexane vapour recovery system has been provided at product dispatch unit. N2 blanketing facility has been provided for Benzene and Toluene Storage tanks. Bottom loading facility has been provided for Benzene and Toluene product dispatch. ETP sub units have been covered with VOC removal system. LDAR survey is carried out as per GSR 186 (E) in TDU and ARU complex on quarterly basis.
B) Waste water management	
Refineries will prepare action plan for conservation of water resources and maximize reuse recycling of treated effluent. The treated effluent discharge (excluding once through cooling tower) will be limited to 0.4 m3/ tone (for 90 % of time) except for the season.	BPCL Mumbai Refinery is "Zero Liquid discharge" refinery and process water is treated in Effluent Treatment Plant (ETP). Treated water is reused in process cooling towers. Analyzers for monitoring BOD, COD, TSS & PH at ETP outlet have been provided with provision of continuous data transmission to CPCB/ MPCB. ETP subunits have been covered and VOC removal system has been installed.

Oil spill response facilities at coastal refineries will be in position. To facilitate this MoEF will coordinate with Coast Guards, Port Trust and departments.	Agreement between MbPT / JNPT and participating oil companies for providing Tier — 1 Oil Spill Response (OSR) facilities at Mumbai port, has been signed. However, the contract for providing Tier -1 OSR facilities has been given to M/s Sadhav Shipping. Also, BPCL MR participates regularly in OSR mock drills conducted by MbPT. Risk assessment has been carried out by MbPT through third party for OSR. Meeting is arranged by MBPT with participating oil companies to liquidate the recommendations arising out the risk assessment. MbPT has also initiated action for new OSR contracts at Mumbai Port area.
Refineries will explore new technologies for reduction in the generation of oils sludge strategy.	At BPCL MR, oily sludge is processed for oil recovery with the help of third party contract. Residual sludge with around 10% wt oil content is treated with bioremediation process using bioremediation agent/ Bacteria to reduce total petroleum hydrocarbon (TPH) below 0.5% wt.
The petroleum coke having high sulfur content will be sold to/ reused by organized industries (having consent from SPCB) which have system to control SO2 emissions.	Not Applicable