



परिवेश  
PARIVESH  
(CPC GREEN)

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय

Ministry of Environment, Forest and Climate Change



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### View Compliance Report at Project Proponent

#### Proposal Details

**Proposal No**

HPCL/GFEC/MOEF/01

**Category**

Industrial Projects - 2

**Proposal Name**

Green Fuel Emission Control (GFEC) project for HPCL's Mumbai Refinery

**Plot / Survey/ Khasra No.**

**Village(s)**

**Sub-District(s)**

**State**

MAHARASHTRA

**District**

MUMBAI?SUBURBAN

**MoEF File No**

J-11012/1/2002-IA II (I)

**Name of the Entity/  
Corporate Office**

R S RAO

R S RAO

**Entity's PAN**

NA

**Entity Name as per PAN**

NA

**Entity details mentioned above is correct ?**

Agree

### Compliance Reporting Details

**Reporting Year**

2023

**Reporting Period**

01 Jun(01 Oct - 31 Mar)

**Remark(if any)**

GFEC EC Compliance for the period Oct22 to March 23

### Details of Production and Project Area

**Date of Commencement of Project/Activity**

10-04-2003

	Project Area as per EC Granted	Actual Project Area in Possession
Private	0	0
Revenue Land	0	0
Forest	0	0

Others	0	0
Total	0	0

PRODUCTION CAPACITY							
Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
1	LPG and Propylene	Tons per Annum (TPA)	542000				493000
2	Naphtha	Tons per Annum (TPA)	252000				391000
3	Treated Hexane	Tons per Annum (TPA)	30000				18000
4	Solvent 1425	Tons per Annum (TPA)	8500				3000
5	MS	Tons per Annum (TPA)	1683000				1842000
6	MTO	Tons per Annum (TPA)	48000				31000
7	ATF	Tons per Annum (TPA)	600000				364000
8	SKO	Tons per Annum (TPA)	52000				82000
9	Diesel	Tons per Annum (TPA)	3441000				3859000
10	IFO	Tons per Annum (TPA)	969000				894000

**PRODUCTION CAPACITY**

Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
11	Sulphur	Tons per Annum (TPA)	61000				38000
12	Asphalt (VG-10, VG-30)	Tons per Annum (TPA)	780000				592000
13	150 N Gr-I	Tons per Annum (TPA)	70000				90000
14	500 N Gr-I	Tons per Annum (TPA)	100000				111000
15	Bright Stock	Tons per Annum (TPA)	50000				37000
16	IO-100	Tons per Annum (TPA)	15000				22000

**Conditions**

**Specific Conditions**

Sr.No.	Condition Type	Condition Details	Status of Compliance, Remarks/Reason and Supporting Documents	
1	AIR QUALITY MONITORING AND PRESERVATION	Reduction in the gaseous emission from the existing level (SO <sub>2</sub> ) from 13.5 to 12.6 TPD and NO <sub>x</sub> from 6.5 to 5.9 TPD	PPs Submission	Complied Complied Attachment: NA

2	WATER QUALITY MONITORING AND PRESERVATION	Comprehensive waste water management system and recycling and reuse of treated effluent so that the total treated effluent should not exceed a maximum of 165 m <sup>3</sup> /hr.	PPs Submission	Total treated effluent has been revised in subsequent ECs. The effluent from all the process units is being treated in the Refinery ETP. The 70 % treated effluent is being recycled to DM plant as feed and rest is recycled back to the fire water system. Complied Attachment: NA
3	WASTE MANAGEMENT	Disposal of hazardous DeSO <sub>x</sub> sludge at TSDF developed by M/s Mumbai Waste management Limited, Talaja.	PPs Submission	HPCL-Mumbai refinery is a member of CHWTSDF located at Talaja and hazardous waste is being regularly disposed off to this facility. Complied Attachment: NA
4	MISCELLANEOUS	Replacement of existing LPG storage facility with mounded LPG storage.	PPs Submission	Horton spheres have been dismantled and mounded LPG storage is being used. Complied Attachment: NA
5	WATER QUALITY MONITORING AND PRESERVATION	The fresh water consumption should be pegged at the current level of 300 m <sup>3</sup> /hr. even after the proposed modernization. The additional water required, if any, should be met through recycling/reuse of treated effluent.	PPs Submission	Recycling/reuse of treated effluent is the secondary source of Process Water (70% of the treated effluent is being recycled). Thereupon Fresh water levels have been revised in subsequent ECs. However, water is consumed as per the current valid EC. Complied Attachment: NA

6	Risk Mitigation and Disaster Management	All recommendations made in the Risk analysis report should be complied with during design, construction and operation stages to contain the risk within the plant boundary. As stated earlier, LPG/Propane must be stored in mounded bullets only. Existing Horton spheres in this regard must be dismantled.	PPs Submission	All Risk analysis report recommendations have been complied with. Horton spheres have been dismantled and mounded LPG storage is commissioned. Complied Attachment: NA
7	Statutory compliance	No further expansion or modification in the project shall be carried without prior permission of this Ministry.	PPs Submission	Project is executed as per the granted EC. And unit is being operated as per the valid CTO. Complied Attachment: NA
8	Statutory compliance	Implementation of the project vis-a-vis environmental management/risk mitigation measures should be reported to the Ministry/Regional Office/State Pollution Control Board regularly on a six monthly basis.	PPs Submission	Project is implemented and subsequent Consent for First Operate is amalgamated with existing refinery Consent To Operate. Environment Statement and other statutory compliances are being filed as mandated. Complied Attachment: NA

### General Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks/Reason and Supporting Documents
No Record Found			

## Document Upload

**Last Site Visit Report (if available)**

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**Last Site Visit Report Date (if available)**

19-08-2019

**Additional Attachment (if any)**

NA

**Additional Remarks (if any)**

GFEC EC Compliance for the period Oct22 to March 23

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