



सत्यमेव जयते

**Government of India
Ministry of Environment, Forest and Climate Change**



Date: 02/10/2023

ACKNOWLEDGEMENT

This is to acknowledge that INDIAN OIL COPERATION LIMITED has provided the information on PARIVESH Portal in respect of Proposed Installation of Bailer having Capacity of 80TPHOil/GaS Fired within the Existing Refinery Complex in the format attached herewith under the provisions of Para 7(ii) b of EIA Notification, 2006 and its subsequent amendment S.O.980 (E), dated 02nd March 2021.

To claim exemption from obtaining Prior Environment Clearance under the provisions of Para 7(ii) b of EIA Notification, 2006 and its subsequent amendment S.O 980 (E) dated 02nd March 2021 in respect of any increase in production capacity with or without any change in (i) raw material-mix or (ii) product-mix or (iii) quantities within products or (iv) number of products including new products falling in the same category or (v) configuration of the plant or process or (vi) operations in existing area or (vii) In areas contiguous to the existing area specified in the environmental clearance of the project, the project proponent / SPCB or UTPCC shall follow the following process:

1. The project proponent shall inform the SPCB or UTPCC, as the case may be, in specified format along with: (i) 'No increase in Pollution Load' certificate from the Environmental Auditor or reputed institutions empanelled by the SPCB or UTPCC or CPCB or Ministry; (ii) last Consent to Operate certificate for the project or activity; and (iii) online system generated acknowledgement of uploading of intimation and 'no increase in pollution load' certificate on PARIVESH Portal.
2. Based on the submission of above information, the project proponent may carry on the proposed activity as per the submitted details. However, if on verification the SPCB or UTPCC, as the case may be, holds that the change or expansion or modernization will result or has resulted in increase in pollution load, the exemption claimed under this clause shall not be valid and it shall be deemed that the project proponent was liable to obtain Prior Environmental Clearance before under taking such changes or increase, as per the clause (a) of sub-paragraph (ii) of paragraph 7 of EIA Notification, 2006 and the provisions of Environment (Protection) Act, 1986 shall apply accordingly.

Encl: Attached the Information provided by the project proponent

Application for No Increase in Pollution Load - Form-10

Basic Details

1.	Whether Project /Activity accorded prior EC?	Yes
1.1.	Proposal No.	IA/AS/IND2/263391/2019
1.2.		N/A

Name of Project	
1.3. Whether the Project Activity attracts the provisions under	7(ii) (b)
1.3.1. Category	A
1.3.2. Whether Project/Activity falls in the category of Processing or Production or Manufacturing Sectors?	Yes
1.3.3. Whether multiple items (Components) as per the notification involved in the proposal?	No
1.3.3.1. Item No. as per schedule to EIA Notification, 2006 for Major Activity	4(a) Petroleum refining industry
1.3.3.2. Capacity	1200000
1.3.3.3. Whether Project/Activity falls in 'B2' Category	No
2. Whether the project proposed to be located in the Notified industrial area?	No

3. Details of Consent under Air (P&CP) Act, 1981 & Water (P&CP) Act, 1974

Consent No/Application No	Date	Valid Up to	Copy of Consent order
W8/GUW/T-3038/Pt-I/18-19/315	12/04/2023	31/03/2028	CTO_c.pdf Preview

4. Details of Authorization under Hazardous & Other Waste Management Rules, 2016 and subsequent amendment

Authorization No./ Application No	Date	Valid Up to	Copy of Authorization order
WB/OTWA/HW-351/20-21/408/65	06/04/2023	31/03/2027	HW_c.pdf Preview

Product Details

1. Details of products & by-products including changes in product mix

List of products/by-products permitted under EC / CTO with CAS Number	Quantity permitted under EC / CTO	Unit	List of products/by-products proposed under clause 7(ii)(b) with CAS Number	Quantity proposed under clause 7(ii)(b)	Unit	Remarks if any
INDAdept Project	35000	TPA	0	0	TPA	With Ref to J-11011/71/2012-IA II (I) Dt 22.01.2015

List of products/by-products permitted under EC / CTO with CAS Number	Quantity permitted under EC / CTO	Unit	List of products/by-products proposed under clause 7(ii)(b) with CAS Number	Quantity proposed under clause 7(ii)(b)	Unit	Remarks if any
Boiler-5 in Tons Per Hour	40	TPD	Boiler-5 in Tons Per Hour	0	TPD	Boiler-5 Will be Running
INDMAX Unit	150000	TPA	0	0	TPA	With ref to J-11011/1/2000-IA II (I) Dt 24.04.2020
Boiler-7 in Tons Per Hour	50	TPD	Boiler-7 in Tons Per Hour	0	TPD	Boiler-7 in Tons Per Hour will be Standby only
Boiler-3 in Tons Per Hour	20	TPD	Boiler-3 in Tons Per Hour	0	TPD	Boiler-3 -Will be decommissioned
Motor Spirit BS-VI	152874	TPA	0	0	TPA	No Change
Ethanol Blended Motor Spirit	12526	TPA	0	0	TPA	No Change
Mixed Run Naptha	1095	TPA	0	0	TPA	No Change
NHDT ad 90KTPA CRU Project	800000	TPA	0	0	TPA	With Ref to J-11011/197/2017-IA (II) I Dt 15.02.2021
Sulphur	371	TPA	0	0	TPA	No Change
Boiler-4 in Tons Per Hour	20	TPD	Boiler-4 in Tons Per Hour	0	TPD	Boiler-4 in Tons Per Hour - Will be decommissioned
Mixed Naptha to Haldia / Paradip Refinery	4830	TPA	0	0	TPA	No Change
Revamp of CDU unit	1200000	TPA	0	0	TPA	With Ref to J-11011/71/2012-IA-II(I) Dt 27.12.2022
ISOM Project	45000	TPA	0	0	TPA	With Ref to J-11011/215/2007-IA II (I) Dt 07.02.2008
High Speed Diesel BS-VI	504119	TPA	0	0	TPA	No Change
Boiler-8 in Tons Per Hour	0	TPD	Boiler-8 in Tons Per Hour	80	TPD	Boiler-8 in Tons Per Hour is the only additionally proposed in this project-Will be Running
Liquefied Petroleum Gas	30186	TPA	0	0	TPA	No Change
Straight Run Naptha	33057	TPA	0	0	TPA	No Change
Revamp of INDMAX Unit	150000	TPA	0	0	TPA	With Ref to J-11011/71/2012-IA II(I) Dt 18.04.2016
HOT Feed to Barauni Refinery	37146	TPA	0	0	TPA	No Change
Aviation Turbine Fuel	55014	TPA	0	0	TPA	No Change
Boiler-6 in Tons Per Hour	50	TPD	Boiler-6 in Tons Per Hour	0	TPD	Boiler-6 in Tons Per Hour - Will be Running

2. Details of Raw materials including water consumption and fuel consumption including changes in the raw material mix

List of raw materials envisaged under EC / CTO with CAS Number	Quantity permitted under EC/CTO	Unit	List of raw materials proposed under clause 7(ii)(b)	Quantity proposed under clause 7(ii)(b)	Unit	Remarks if any
Fuel Gas in Tons per Hour	35.4	TPD	Additional Fuel Gas in Tons per Hour	3.23	TPD	Fuel Gas in Tons per Hour- Source-Fuel Gas generated at Guwahati Refinery
The imported crude oil	500000	TPA	0	0	TPA	NO Change in Raw Material
Fuel Oil in Tons per Hour	11.16	TPD	Additional Fuel Oil in Tons per Hour	3.35	TPD	Fuel Oil in Tons per Hour-Source-CFO/RFO blend, brought from Digboi refinery
Assam crude oil	500000	TPA	0	0	TPA	No Change in Raw Material
Raw Water consumption in m3/day	19978	TPD	Raw Water consumption in m3/day	0	TPD	No increase in Raw Water consumption

2.1. Approval for additional water consumption if applicable	No
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3.Details of Effluent Generation

3.1.Quantity

Propose	Quantity of existing effluent generation in KLD (as per EC/CTO)	Quantity of effluent generation after the proposed change in product or raw material mix in KLD	Mode of Disposal Ultimate Receiving Body
Total Industrial	4733	0	reused In cooling tower, fire water makeup and Greenbelt. Remaining to pond Inside refinery and used for future

3.2.Quality

Composition as per the EC/CTO	Concentration as per EC/CTO in (mg/L)	Composition after proposed change in product or raw material mix	Concentration after proposed change in product or raw material mix in (mg/L)	Remarks, if any
BOD	30	BOD	30	No Change in Quality Limit
COD	250	COD	250	No Change in Quality Limit
Total Suspended Solid	20	Total Suspended Solid	20	No Change in Quality Limit
Oil & Grease	5	Oil & Grease	5	No Change in Quality Limit

3.3.Total load in respect of Effluent

Total load in respect of Effluent as per the EC/CTO	Treatment facility existing (with capacity in KLD)	Total load in respect of Effluent after proposed change in product or raw material mix in KLD	Treatment facility proposed with capacity after proposed change in product or raw material mix in KLD	Remarks if any
4733	0	4733	550	No additional Effluent generation. The existing ETP Capacity 550m ³ /hr will be adequate for the proposed project

3.4.Details of effluent management

3.4.1. Whether Segregation of Concentrated stream and its disposal is proposed?	No
7.4.2. Whether Reduction / Recycle / Reuse of effluent are proposed?	No
7.4.3. Whether any additional Effluent Treatment Facilities Provided?	No
7.4.4. Whether is there any proposal for up-gradation of ETP?	No
7.4.5. Whether the unit is having Membership of Common Effluent Conveyance / Disposal Facility?	No
7.4.6. Whether it is Proposed to achieve zero discharge?	Yes
7.4.6.1. Brief report on Proposal to achieve zero discharge with technical justification and feasibility	Annexure-6_ETP Flow diagram.pdf Preview
7.4.7. Whether Project has Membership of CETP?	No

Emission Generation

1.Details of Emission Generation

1.1.

Quantity

(i) From Stacks

Point Source (s)	Height of stack (m)	As per EC / CTO			After the proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
Boiler-7-Standby-NOx	55	4.421	g/s	4.421	g/s	0	g/s	0	g/s
Boiler-3-Nox	30	1.817	g/s	1.817	g/s	0	g/s	0	g/s

Point Source (s)	Height of stack (m)	As per EC / CTO			After the proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
Boiler-8-Additionally Proposed-NOx	55	0	g/s	0	g/s	6.51	g/s	6.51	g/s
Boiler-3-PM	30	0.426	g/s	0.426	g/s	0	g/s	0	g/s
Boiler-4-SO2	30	2.51	g/s	2.51	g/s	0	g/s	0	g/s
Boiler-6-NOx	55	4.421	g/s	4.421	g/s	4.421	g/s	4.421	g/s
Boiler-7-Standby-PM	55	1.398	g/s	1.398	g/s	0	g/s	0	g/s
Boiler-5-Nox	58	4.421	g/s	4.421	g/s	4.421	g/s	4.421	g/s
Boiler-8-Additionally Proposed-SO2	55	0	g/s	0	g/s	9.845	g/s	9.845	g/s
Boiler-7-Standby-SO2	55	9.144	g/s	9.144	g/s	0	g/s	0	g/s
Boiler-8-Additionally Proposed-PM	55	0	g/s	0	g/s	0.6	g/s	0.6	g/s
Boiler-4-NOx	30	1.817	g/s	1.817	g/s	0	g/s	0	g/s
Boiler-6-SO2	55	9.144	g/s	9.144	g/s	9.144	g/s	9.144	g/s
Boiler-3-SO2	30	2.51	g/s	2.51	g/s	0	g/s	0	g/s
Boiler-6-PM	55	1.398	g/s	1.398	g/s	1.398	g/s	1.398	g/s
Boiler-5-PM	58	0.87	g/s	0.87	g/s	0.87	g/s	0.87	g/s
Boiler-5-So2	58	4.966	g/s	4.996	g/s	4.966	g/s	4.966	g/s
Boiler-4-PM	30	0.426	g/s	0.426	g/s	0	g/s	0	g/s

(ii) From Fugitive sources

Fugitive Sources	Height of discharge in m	As per EC / CTO			After the proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
Nil	0	0	g/s	0	g/s	0	g/s	0	g/s

(iii) From other sources

Other Source(s)	Height of discharge in m	As per EC / CTO			After proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
Nil	0	0		0	g/s	0	g/s	0	g/s

1.2.

Quality

Stack attached to	Stack Height in Meter	APCM	Parameter	Concentration			
				As per EC / CTO	Unit	After the proposed change in product or raw material mix	Unit

2.

Total load in respect of Emission

Total load in respect of emission as per the EC / CTO	Unit	APCM existing with capacity	Unit	Total load in respect of emission after proposed change in product or raw material mix	Unit	APCM proposed with capacity after proposed change in product or raw material mix	Unit	Remarks if any
2442.8735	Kg Per Day	2442.8735	Kg Per Day	2069.712	Kg Per Day	2069.712	Kg Per Day	Total SO ₂ load (23.955g/s = 2069.712kg/day) after the proposed project implementation. Reduction of 4.319g/s = 373.1616Kg/day
390.35	Kg Per Day	390.35	Kg Per Day	248.65	Kg Per Day	248.65	Kg Per Day	Total PM load (2.87g/s = 248.65kg/day) after the proposed project Implementation. Reduction of 1.64g/s = 141.69Kg/day
1274.14	Kg Per Day	1274.14	Kg Per Day	1140.48	Kg Per Day	1140.48	Kg Per Day	Total NO _x load (13.20g/s = 1140.48kg/day) after the proposed project implementation. Reduction of 1.545g/s = 133.488Kg/day

3. Details of emission management

<p>3.1.</p> <p>Whether there is any Proposal for switching over to cleaner fuel?</p>	Yes
<p>3.1.1.</p> <p>Brief report on Proposal for switching over to cleaner fuel, if any (with time bound program)</p>	Annexure- 11 pollution load stack emission.pdf Preview
<p>3.2.</p> <p>Whether there is any Proposal for the up gradation of existing APCM? (with the time-bound program)</p>	No
<p>3.3.</p> <p>Whether there is Proposal for the installation of new APCM? (with time-bound program)</p>	No

1. Hazardous Waste Generation

1.1.

Quantity and type of waste

Type of Waste	Category (As per Schedule under Hazardous & Other Waste Management Rules, 2016)	Generation per Year						
		Existing as per the EC / CTO	Unit	After Change in Product Mix	Unit	Source of Generation	Mode of Storage	Mode of Treatment & Disposal method
Spent Catalyst	4.2	2000	Tons per Annum (TPA)	2000	Tons per Annum (TPA)	During Hydrocarbon Processing. No additional Generation	Isolated Shed	To be transported to recyclers/ actual users, authorized under the hazardous and other waste (Management & Trans boundary Movement) Rules, 2016
Slop Oil	4.3	25000	Tons per Annum (TPA)	25000	Tons per Annum (TPA)	During Hydrocarbon Processing. No additional Generation	Tanks	Captive utilization (for processing in the Delayed Cocker Unit(DCU))
Oily Sludge	4.1	10000	Tons per Annum (TPA)	10000	Tons per Annum (TPA)	During Hydrocarbon Processing. No additional Generation	Non Permeable Pits	Bioremediation & Subsequent disposal in captive SLF in accordance with prescribed guidelines

1.2.

Details of Waste management

1.2.1. Whether Proposal for reduction / recovery / reuse / recycle / sale of waste (with technical details) is proposed?	No
1.2.2. Whether Project has Membership of Common Secured Landfill Site?	No
1.2.3. Whether Project has Membership of Common hazardous waste incineration facility	No

2.

No Increase in Pollution Load certificates from the authorized environmental auditor and countersigned by Project Proponent

<p>2.1. Authorized environmental auditor/Reputed Institution Empaneled by the SPCB/CPCB/MoEFCC</p>	<p>Authorized Environmental Auditors</p>
<p>2.2. Upload the Certificate of 'No Increase in Pollution' Load.</p>	<p>NIPL Certificate - By EEPL (30-09-2023).pdf Preview</p>

3.

Online Continuous effluent/emission Monitoring System

Quantity

							Date of connection to the servers of	
Attribute	Constituents	Date of installation	Details calibration of OCEMS	No. of time data exceeds the limit	Value Exceeded	Status of OCEMS functioning	CPCB	SPCB
Effluents	pH, BOD, COD, TSS	01/03/2016	Last calibration done on 22.05.2023 to 27.05.2023	0	0	Yes	31/12/2015	15/07/2022
Emissions	PM,SOx,NOX	01/12/2016	Last calibration done on 22.05.2023 to 27.05.2023.	0	0	Yes	15/12/2015	15/07/2022

1.Additional Information

S. No.	Document Name	Remark	Document
1	Annexure-18	load capacity	Annexure-18 load capacity.pdf Preview
2	Annexure-17	Hazardous chemical storage	Annexure-17 Hazardous chemical storage.pdf Preview
3	Annexure-16	Existing water consumption(no additional Water)	Annexure-16 water consumption Table.pdf Preview
4	Annexure-15	Annual report of samplings	Annexure-15 Annual report of samplings.pdf Preview
5	Annexure-14	Raw material requirement for existing and after expansion	Annexure-14 Raw material requirement for existing and after expansion.pdf Preview
6	Annexure-13	MSDS	ANNEXURE-13-MSDS.pdf Preview
7	Annexure-12	Site Layout	ANNEXURE-12-SITE LAYOUT.pdf Preview
8	Annexure- 11	Pollution load stack emission	Annexure- 11 pollution load stack emission (1).pdf Preview
9	Annexure-10	POLLUTION LOAD STATEMENT	Annexure-10-POLLUTION LOAD STATEMENT.pdf Preview

S. No.	Document Name	Remark	Document
10	ANNEXURE-9	No increase in Pollution Load	NIPL Certificate - By EEPL (30-09-2023) (1).pdf Preview
11	Annexure-8	Environmental Statement	Annexure-8.pdf Preview
12	Annexure-7	Latest CTO	Guwahati Refinery CTO 23-28_compressed.pdf Preview
13	Annexure-6	ETP Flow diagram	Annexure-6_ETP Flow diagram.pdf Preview
14	Annexure-5	WATER BALANCE DRAWING - IOCL Guwahati - proposed	Annexure-5 WATER BALANCE DRAWING - IOCL Guwahati - proposed.pdf Preview
15	Annexure-4	Water Agreement	Annexure-4 Water Agreement (1).pdf Preview
16	ANNEXURE-3	Material balance	ANNEXURE-3 Material balance.pdf Preview
17	ANNEXURE-2	Land documents	ANNEXURE-2-Land documents.pdf Preview
18	Annexure-1	EC for IOCL	Annexure-1-EC for IOCL.pdf Preview

1.Undertaking

I hereby give undertaking that the data and information given in the application and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information is found to be false or misleading at any stage, the project will be rejected and clearance given if any to the project will be revoked at our risk and cost. In addition to the above, I hereby give undertaking that no activity/construction/expansion has been taken up

1.1. Name	Gayatri Laskar
1.2. Designation	Deputy Manager (HSE)
1.3. Company	INDIAN OIL COOPERATION LIMITED
1.4. Address	Guwahati Refinery,IOCL, Noonmati, Guwahati,Assam.
1.5. Date	02-10-2023