

इंडियन ऑयल कार्पीरशन लिमिटेड

वासीयत रिकारणी एवं वेट्रोबेमिका वर्तमनेवस वासीयत, हरियाचा - 132140

Indian Oil Corporation Limited

Panipat Refinery & Petrochemical Complex

Panipat, Haryans - 132140

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रिफाइनरीज़ प्रभाग Refineries Division

Ref No: PR/HSE/2023/EC Compliance/2

Date: 15.01.2024

<u> डियन भी पत</u>

IndianOil

To,

The Additional Director(S).
Ministry of Environment, Forest & Climate Change, Govt. of India,
Regional Office (NR), Bays No. 24-25, Sector 31-A, Dakshin Marg,
Chandigarh- 160047

Subject: Six Monthly Environmental Clearances (EC) Compliance Report (July'2023 to Dec'2023)- Panipat Refinery and Petrochemical Complex.

Dear Sir.

Enclosed please find herewith the Six Monthly Environmental Clearances (ECs) Compliance Report- Partipat Refinery and Petrochemical Complex for the period of Jan'2023 to June'2023 of the MoEF&CC stipulations w.r.t. following EC letters;

- EC Letter No. J-11011/27/91-4A II(I) dated 16.07.1992 for setting up of a grass root refinery at Karnal district by Indian Oil Corporation Limited.
- EC Letter No. J.11011/60/2000-IA,IJ dated 09.04.2002 for Expansion of Panipat Refinery (PREP) from 6 MMTPA to 12 MNTPA.
- EC Letter No. J. 11011/52/2000-IA.II dated 30.04.2001 for integrated Paraxylene and Purified Terphthalic Add Projects at Panipat by M/s IOCL.
- EC Letter No. J.11011/9/2001-IA II (I) dated 06.12.2001 for MS Quality Up-gradation Project at Panipat Refinery by IOCL
- EC Letter No. J.11011/52/2000-IA II (I) dated 20.01.2003 for Modification in Plant layout of Paraxylene and Purified Terephthalic Acid (PX/PTA) Project within Panipat Refinery Complex and Integrated with Panipat Refinery (PR) and Panipat Refinery Expansion Project (PREP).
- EC Letter No. 1.11011/7/2004-IA II (I) dated 09.08.2004 for expansion of Panipat Refinery (From 12 MMTPA to 15 MMTPA) and Setting up of Indalin+ unit at Panipat Refinery Complex of IOCL, Panipat Refinery Haryana.
- EC Letter No. J.11011/177/2016-IA II (I) dated 26th March, 2018 for BS-VI Fuel Quality up-gradation and expansion of PX/PTA plant at Panipat Refinery & Petrochemical Complex (PRPC), Panipat (Haryana) by M/s Indian Oil Corporation Limited.
- EC Letter No. IA-J-11011/43/2018-IA- II (I) dated 13.11.2019 for Installation of 100 KLPD Ligno-Cellulosic 2G Ethanol Plant at Baholi, Block Madiauda, Panipat Refinery road, District Panipat (Haryana) By M/S Indian Oil Corporation Limited.
- EC Letter No. J-11011/78/2018-IA- II (I) dated 25.11.2019 for setting up 128 KL per day Ethanoi Production Plant by M/s Indian Oil Corporation Ltd. (IOCL) in Panigat Refinery & Petrochemical Complex at Panipat, Haryana.
- EC Letter No. J-11011/177/2016- IA II(I) dated. 03:12.2021 for Panipat Refinery capacity expansion from existing 15
 MMTPA to 25 MMTPA within the existing refinery complex.

Thanking you,

Yours Salthous - Pi - ZURS

General Menager (NSSE)

Copy To: 1. The Regional Directorate, CPCB, Chandigarh

2. The Chairman, HSPCB, Panchkula

3. The Regional Officer, HSPCB, Panipat

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s. No.	EC letter /Environmental monitoring reports	EC Compilance Status/Reports
1	EC Letter No. J-11011/27/91-IA II(I) dated 16.07.1992 for setting up of a grass root refinery at Karnal district by Indian Oli Corporation Limited.	Attached as Annexure-1
2	EC Letter No. J.11011/60/2000-IA.II dated 09.04.2001 for Expansion of Panipat Refinery (PREP) from 6 MMTPA to 12 MMTPA.	Attached as Annexure-2
3	3EC Letter No. J.11011/S2/2000-IA.II dated 30.04.2001 for Integrated Paraxylong and Purified Terphthalic Acid Projects at Panipat by M/s IOCL.	Attached as Annexure-3
4	EC Letter No. J.11011/9/2001-IA II (I) dated 06.12.2001 for MS Quality Up-gradation Project at Panipat Refinery by IOCL.	Attached as Annexure-4
5	EC Letter No. J.11011/52/2000-IA II (I) dated 20.01.2003 for Modification in Plant layout of Paraxylene and Purified Terephthalic Acid (PX/PTA) Project within Panipat Refinery Complex and Integrated with Panipat Refinery (PR) and Panipat Refinery Expansion Project (PREP).	Attached as Annexure-5
6	EC Letter No. J.11011/7/2004-IA II (I) dated 09.08.2004 for expansion of Panipat Refinery (From 12 MMTPA to 15 MMTPA) and Setting up of Indalin+ unit at Panipat Refinery Complex of IOCL, Panipat Refinery Haryana.	Attached as Annexure-5
7	EC Letter No. J.11011/177/2016-tA II (I) dated 26th March, 2018 for BS-VI Fuel Quality up-gradation and expansion of PX/PTA plant at Panipat Refinery & Petrochemical Complex (PRPC), Panipat (Haryana) by M/s Indian Oil Corporation Limited.	Attached as Annexure-7
8	EC Letter No. IA-I-11011/43/2018-IA- II (I) dated 13.11.2019 for installation of 100 KLPD Ligno-Collulosic 2G Ethanol Plant at Baholi, Block Madiauda, Panipat Refinery road, District Panipat (Haryana) By M/S Indian Oil Corporation Limited.	Attached as Annexure-8
9	EC Letter No. J-11011/78/2018-IA- II (I) dated 25.11.2019 for setting up 128 KL per day Ethanol Production Plant by M/s Indian Oil Corporation Ltd. (IOCL) in Panipat Refinery & Petrochemical Complex at Panipat, Haryana.	Attached as Annexure-9
10	EC Letter No. J-11011/177/2016- IA II (I) dated, 03:12,2021 for panipat refinery capacity expansion from existing 15 MMTPA to 25 MMTPA within the existing complex.	Attached as Annexure-10
11	Ambient Air quality data.	Attached as Annexure-11
12	Stack Emission data	Attached as Annexure-12
13	Effluent quality data	Attached as Annexure-13
14	Noise Monitoring data	Attached as Annexure-14
15	Manifests (Form-10)	Attached as Annexure-15

COMPLIANCE TO ENVIRONMENTAL CLEARANCE STIPULATIONS FROM MOEFCC FOR SETTING UP OF A GRASSROOT REFINERY AT KARNAL, DISTRICT BY INDIAN OIL CORPORATION LIMITED - EC Letter no. J-11011/27/91-IA.II(I) dated 16.07.1992

SN	Stipulation	Compliance
1	The project authority must strictly adhere to the stipulations laid down by the State Pollution Control Board and State Government.	Complied
2.	Any expansion of the plant, either with the existing product mix or new products can be taken up only with the prior approval of this ministry.	Complied
3.	Sulphur recovery unit with more than 90% Sulfur Recovery should be installed and commissioned before the project is completed, and measure for its continuous operation must be taken. Techno-economic feasibility study for additional standby sulphur recovery system may be initiated after the installation of first unit.	Complied Panipat Refinery has 5 nos. Sulphur Recovery Units (SRUs) as detailed below and 4 (99.9% recovery efficiency) out of 5 units are in operation: 1 no. SRUs: 99% efficiency ,1X115 MT/day capacity 4 no. SRUs: 99.9% efficiency ,4X225 MT/day capacity
4.	Low Sulfur fuel (Sulphur content not exceeding 1%) should be used in the boilers/furnaces.	Complied Fuel with sulphur content <=0.5% is used in the boilers/furnaces if required.
5.	Low NO _x burners should be used to avoid excessive formation of NO _e .	Complied Low NO, burners have been installed in the process heaters, Boilers, furnaces etc.
6.	Total emission of SO2 from the refinery should not exceed 1 Ton/hr.	Complied SO ₂ emission (actual SO ₂ emission, 800-900 kg/hr) from the Refinery is well within the limit.
7.	The gaseous emissions (SO ₂ , NO ₄ etc.) from various process units should conform to the standards prescribed by the concerned authorities, from time to time. At no time the emission levels should go beyond the stipulated standards. In the event of failure of any pollution control system adopted by the unit, the respective unit should be put out of operation immediately and should not be restarted until the control measure are rectified to achieve the desired efficiency.	
8.	the second section of the six are applied	with HSPCB. Also, one mobile van for ambient air quality monitoring is in place. All the CAAQMS stations are connected to the CPCB AAQMS server. For all stacks: SO ₂ , NO ₂ , CO & PM analyzers



_	Stipulation	Compliance
9.	Fugitive emissions of hydrocarbons from storage tanks etc. should be minimized by adopting necessary measures.	Complied Floating roof tanks are provided to store volatile hydrocarbons.
	Fugitive emission should be regularly monitored and record maintained.	Complied Fugitive emission monitoring for Hydrocarbo and Benzene is done querterly throug MoEFCC approved agency.
11.	There should be no change in the stack design without the approval of the State Pollution Control Board. Alternate pollution control system and proper design in the stack should be provided to take care of excess emissions due to failure in any system of the plant.	No change in stack design shall be done without the approval of SPCB. Proper design and alternate Pollution control system is provided Complied to take care of excess emissions in case of failure in any system of the plant.
	The height of stacks attached to AVU, FCGU and TPS etc. should not be less than 100 m.	Implemented
	Total fresh water consumption (Industrial as well as township) should not exceed 8 MGD. Ground Water should not be tapped for this purpose.	8 MGD water allocated for 6 MMTP/ Refinery. However, further EC granted to Refinery expansion from 6 to 12 MMTP/ (J.11011/7/2004-IA-II (I) dated 69.08.2004 Fresh water allocation increased to 30 cusec
14.	maximum extent possible (at least 25% to 30% to start with). The treated effluent coming out of the plant must meet MINAS.	Complied ETP-I and II Treated effluent meeting Relinery MINAS parameter is "Recycled and Reused" as feed to RO plant and make up water to Cooling Tower.
15	COD, BOD, suspended Solids, Phenois, Sulphides, pH and Flow) monitoring stations must be set up in consultation with State Poliution Control Board.	Effluent quality as mentioned is being monitored at various stages of Effluent Treatment Plant. Also final Treated Effluent Quality parameters (pH; 800, COD & TSS) are
16	done and residual oily sludge should be inconcrated.	connected online to CPCB/HSPCB server. The raw oily studge generated from the Refinery is subjected to Oil recovery / Melting Pit treatment for recovery of oil. The recovered oil is recycled back with crude oil for processing. The residual studge is disposed-off through confined Bio-remediation. Part of the studge is processed in Coker unit.
	The project authorities must prepare a scheme for solid and hazardous waste disposal. The plan for disposal duly approved from the State Poliution Control Board should be submitted to this Ministry within one year and adequate space should be provided for it within the plant premises.	Complied A common hazardous waste disposal site is developed in the state by Haryana Environmental Management Society (HEMS) in consultation with Haryana State Pollution Control Board, Paningt Reflects
12	A green beit of at least 500 m width and adequate density should be developed and maintained. Selection of the species should be done in consultation with the State Forest Department. A detailed green belt development plan taking into account attenuation factors, soil characteristics etc. should be prepared and submitted to this Ministry within six months.	member of this society. Compiled Greenbeit of 500 m width have been developed and maintained after consultation with State Forest Department.
		X.



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SM	Stipulation			pllance	
19.	A detailed risk analysis study based on Maximum Credible Accident (MCA) analysis should be done and submitted to this Ministry once the process design/technology and layout is finalized. Based on this, a Disaster Management Plan has to be prepared and after approval by the concerned Nodal Agency, should be submitted to this ministry within six months. The impact zone under no circumstances should cross the	A Comprehensive Risk Analysis is condu- Report has been submitted. On-site Disaster Management Plan base this Risk Analysis is also prepared whila accredited from approved Third inspection agency of PNGRB.		Plan based or pared which is	
	plant premises.		1120120100		
20,	A 'no development zone' of minimum 5km radius in between the refinery and the Panipat town should be provided. Where only restricted growth on nonpolluting industries may be allowed (Action – State Govt.)	Action by State Government. Letter dated 16.05.2020 and subsequen letter dated 10.01.2024 sent from PR to DC, Panipat requesting enforcement of this condition.			
21.	No tree should be cut from the site without prior written order of the competent authority.	Complied		7/	
22.	The industrial township should be located on the northern side of the refinery i.e. in the up-wind direction.	Complied			
23.	A detailed Rehabilitation Plan for the affected people should be prepared and submitted to this Ministry within 3 months.	Complied	- 1	1	-
24.	Contractor's labourers must leave place after the construction work is over to avoid creation of slum in the adjoining areas of the refinery and township.	Complied			
25.	A comprehensive EIA must be prepared and submitted to this Ministry by September, 1993 covering regional implications and 'no development zone' aspects.	Compiled		Ði	
26.	Feasibility of using 20 tonner trucks may be studied / assessed wherever road transport is being envisaged and report submitted to this Ministry within three months.	Bulk Movement of Products is throug Pipeline and Rall.			
27.	Necessary approval may be obtained from the Regulatory Authority as per Section 5(2) and 5(3) of the Hazardous Wastes (Management and Handling) Rules, 1989 of the Environment (Protection) Act, 1986.	Complied			
28.	The State Govt, should prepare a Master Plan for the region to avoid haphazard growth of industries and human settlements in the area.	Action by St	late Gove	mment	
29.	The project authority must set up laboratory facilities for collection and analysis of samples under the supervision of competent technical personnel, who will directly report to the Chief Executive.	Compiled NABL approved laboratory is established within the refinery.			
30		Compiled			
31	The funds earmarked for the environmental protection	Implemente	ed,		
-	measures should not be diverted for other purposes	Year-wise e	penditur		
	and year wise expenditure should be reported to this Ministry.	FY: 202	*****		2022-23
	Ministry.	Recurrin B	Non- recurri ng	Recurr	Non- recurring
		701.7	2849.7	3809.3	109.6



Compliance status with respect to the EC conditions stipulated in the letter for Panipat Refinery Expansion Projects (PREP) from 6 MMTPA to 12 MMTPA – EC letter no. J.11011/60/2000-IA.II dated 09.04.2001:

S N	Conditions stipulated in the EC letter	Status
1	The company should strictly adhere to the stipulations made by MDE&F vide O.M. No. J.11011/76/96-IAII dated 5 th March,1997	Complied
2.	 The total SO₂ emission from the entire Refinery complex should not exceed 1000 kg/hr even after proposed expansion. 	
	b) The gaseous emissions (SO ₃ , NO ₆ , HC, CO) and particulate matters, from various process units should conform to the standards prescribed under Environmental (Protection) Rules, 1986 or norms stipulated by SPCB whichever is most stringent.	
	 At no time, the emission level should go beyond the stipulated standards. 	Complied
	 d) In the event of failure of pollution control system(s) adopted by the unit, the respective unit should no be restarted until the control measures are rectified to achieve the desired efficiency. 	t in a second
30	Sulphur recovery units with more than 99% efficiency shall be provided.	Four SRUs with 99.9% recovery have been installed & are operational.
4.	 Adequate ambient air quality monitoring station SO₂, NO₃, HC should be set up in the Refinery area is consultation with SPCB, based on occurrence of maximum ground level concentration and down wind direction of wind. 	n 9 nos. of CAAQMS (5 nos. in Refinery, 2 nos. if in Panipat city, 1 no. each in Refinery
	b) The monitoring network must be decided based o	The first of the second
	making exercise to represent short term GLCs. c) In addition, a mobile van with adequate facilities to monitor embient air quality outside the Refine premises should be provided.	
	d) Continuous on-line stack monitoring equipment should be installed for measurement of SO₃, NOx, C & PM.	[4] [1] [1] [2] [2] [2] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4
5.		
	 b) Sensors for detecting HC leakages should also provided at strategic locations. 	



S	Con	ditions stipulated in the EC letter	Status
6.	a)	As per the commitment given, there will be no discharge of treated effluent into Thirana drain.	Treated effluent from ETP-1 & ETP-2 is reused as feed to RO plant and as make up to Cooling Tower. Treated Effluent from PTA-ETP (ETP-3) meeting Petrochemical MINAS is discharged into THIRANA DRAIN as per permission granted by statutory bodies (MoEFCC & HSPCB).
	b)	The liquid effluent generated from the Refinery should be treated comprehensively to conform to the load based standards and concentration limits prescribed under EPA rules.	Liquid effluent generated from Refinery & PX-PTA Petrochemical Complex is being treated in Waste Water Treatment Plant(s) which are meeting applicable Refinery & Petrochemical MINAS standards. Treated effluent from ETP-1 & ETP-2 is reused as feed to RO plant and as make up to Cooling Tower.
ğ			Treated Effluent from PTA-ETP (ETP-3) meeting Petrochemical MINAS is discharged into THIRANA DRAIN as per permission granted by statutory bodies (MoEFCC & HSPCB).
	c)	The entire treated wastewater should be recycled for reuse in the plant operation and green belt development so as to maintain zero discharge.	ETP-1 & ETP-2 treated effluent is recycled and reused as feed to RO plant and as make up to Cooling Tower. Treated Effluent from PTA-ETP (ETP-3) meeting Petrochemical MINAS is discharged into THIRANA DRAIN as per permission granted by statutory bodies (MoEFCC & HSPCB).
7.	a)	Guard ponds of sufficient holding capacity should be provided to contain the effluent during process disturbance and or ETP failure.	Complied.
	b)	The concerned units must be shut down in case of effluent quality exceeding the prescribed limits.	Complied.
8.	a)	The company should adopt mounded storage for LPG.	Complied.
	b)	The recommendations made in the Rapid Risk Assessment Report must be incorporated while firming up the plant layout and equipment design.	Mounded storage is used for LPG storage. Compiled. The recommendations of the Rapid Risk Assessment study have been incorporated in the plant layout and equipment design.
	c)	The company must prepare a comprehensive risk assessment/analysis of the Refinery and associated facilities once the engineering design and layout is frozen.	Complied.
	d)	Based on this, on-site and off-site emergency preparedness plan must be prepared.	Onsite and Offsite Emergency Preparedness plan have been prepared and certified thru' PNGRB approved agency for Panipat Refinery.



S N	Conditions stipulated in the EC letter	Status
	Approval from the nodal agency must be obtained before commissioning the project.	Compiled.
9.	The drawl of water from the Munak Head-works should not exceed 30 cusecs even after the proposed expansion.	Complied.
Ger	neral conditions:	Santa Review of Clark
S N	Conditions stipulated in the EC letter	Status
1.	The project authorities must strictly adhere to the stipulations made by the Haryana State Pollution Control Board and the State Government.	Complied
2.	No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forest.	Complied
3.	In case of deviations or alterations in the project proposed from those submitted to this Ministry for Clearance, a fresh reference should be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied
4.	Data on ambient air quality, stack emission as well as fugitive emissions of HC must be regularly monitored and submitted to CPCB once in 3 months and to Ministry's Regional Office once in 6 months.	Complied. Mentioned reports are being submitted to MOEF&CC once in 6 months. Stack analyzers are online connected with CPCB/HSPCB server.
5.	Influent and effluent quality monitoring stations should be set up in consultation with the State Pollution Control Board. Regular monitoring should be carried out for the MINAS parameters.	Influent and Effluent quality is being monitored at various stages of Effluent Treatment Plants. Final Treated Effluent Quality parameters (pH, BOD, COD & TSS) are also connected online to CPCB/HSPCB server. Effluent monitoring reports are submitted to HSPCB on monthly basis.
6	The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and import of Hazardous Chemicals Rules, 1989 as amended, on 3 rd October, 1994. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire & Safety Inspectorate etc. must be obtained.	Complied.
7.	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous Wastes in accordance with the Hazardous Wastes (Management & Handling) Rules, 1989. Authorization from the State Pollution Control Board must be obtained for collections/treatment/storage/disposal of hazardous wastes.	Compiled. Hazardous Waste Authorization (HWA) for collection, storage and disposal of hazardous wastes is obtained from the HSPCB.
8.	Occupational health surveillance program should be undertaken as regular exercise for all the employees, especially for those engaged in handling hazardous substances.	Complled
9.	The overall noise levels in and around the plant area should be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, sliencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (Day time) and 70 dBA (night time)	Complied. The Refinery has provided silencers on compressor discharge, acoustic leggings on turbo generators & ejectors and acoustic chambers at the burners. The ambient noise level meets the standards.



N	Conditions stipulated in the EC letter	Status	
10.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA and risk analysis report.	Compiled.	
21.	The project proponent should have a scheme upliftment in the nearby villages with reference to contribution in road construction, education of children, festivals, health centers, sanitation facilities, drinking water supply, community awareness and employment to local people whenever possible both for technical and non technical jobs.	Compiled Social upliftment and community development has been properly taken can as per IOCX's Corporate Social Responsibility Policy through following CSR activities. Promoting Sanitation Environment Sustainability/ Renewable Energy Sources Hural Development/ Promoting Preventive Healthcare/ Promotion of Sports Promoting Education Enhancement of Vocational Skills Empowering Women Westare of Underprivileged	
12.	A separate environmental management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitored functions.	Complied Separate Environment Management Cell is a place.	
13.	The project authorities will provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.	FY: 2021-22 FY:2022-23 Recurrin Non- Recurri Non- g recurri ng recurring ng 701.7 2849.7 3809.3 109.6	
14.	The implementation of the project vis-a-vis environmental action plans will be monitored by Ministry's Regional Office at Chandigarh / State Pollution Control Board / Central Pollution Control Board A six monthly compliance status report should be submitted to monitoring agencies.	Six monthly compliance reports along wit monitoring data are being submitted a	
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16	The state of the s		



Integrated Paraxylene and Purified Terphthalic Acid Projects at Panipat by M/s IOCL – Environmental Clearance MOEF, N. Delhi letter no. J.11011/52/2000-IA.II dated 30.04.2001

SN	Conditions stipulated in the EC letter	Status
1	a) The gaseous emission (50 ₁ , NO, and HC, Benzene) from the various process units should conform to the standards prescribed under environment (Protection) Rules, 1986 or norms stipulated by the SPCB whichever is more stringent.	Complied. Emission from the stack is being monitored online and from MoEF&CC approved lab on Bimonthly basis. Stacks are connected online to CPCB/HSPCB server with parameters such as SO2, NOx, CO & PM.
	 b) At no time, the emission level should go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit should not be restarted until; the control measures are rectified to achieve the desired efficiency. 	Complied
2	a) Adequate ambient air quality monitoring stations (SPM, SC ₂ , NO ₂ , HC and Benzene) should be set up in the petrochemical complex in consultation with SPCB, based on occurrence of maximum ground level concentration and down- wind direction of wind. The monitoring network must be decided based on modeling exercise to represent short term GLCs	Complied. Out of 9, CAAQMS two Ambient Air Monitoring stations set up in PX-PTA plant area. The location of these is finalized after consultation with HSPCB. These CAAQMS stations are connected to the CPCB AAQMS server.
	 b) Continuous on-line stack monitoring equipment should be installed for measurement of SO₂ and NO₃. 	Complied. PX-PTA stacks are connected online to CPCB/SPCB server with parameters such as 502, NOx, CD & PM.
3	Fugitive emission of HC from product storage tank yard, crude oil tanks etc. must be regularly monitored.	Complied. Fugitive emission monitoring for Hydrocarbon and Benzene is done quarterly through approved agency.
	 b) Sensors for detecting HC leakage should also be provided at strategic locations. 	Complied. Hydrocarbon leak detectors installed at strategic locations.
4	a) Liquid effluent generated from the petrochemical complex should be treated comprehensively to conform to the load based standards and concentration limits prescribed under EPA rules (MINAS standards).	For Treating liquid effluent generated from Petrochemical complex separate ETP has been installed. PTA-ETP treated effluent meets the petrochemical MINAS. PTA ETP envisages Aerobic and Anaerobic Biological systems for treatment and the final effluent meets Petrochemical MINAS.
	 b) The BOD of the treated effluent should not exceed 30 mg/l at any point of time. 	BOD is being maintained below 30 mg /l.
	c) The Company must undertake maximum recycling/ reusing of the treated effluent for process purposes in addition to green belt development and also adopt adequate water conservation measures.	Process Licensor M/s INVISTA has confirmed that "Recycle & Reuse" of PTA treated effluent is not feasible. PX-PTA has permission for discharge of 255m3/hr treated effluent from PTA-ETP to Thirana drain.



-	d) As per the commitment given the total quantity of treated effluent discharged into Thirana drain should not exceed 255 m ³ /hr.	The discharge of PTA-ETP treated effluent into Thirana Drain is being restricted well below 255 m3/hr.
	e) The effluent quality at the discharge point must also be monitored periodically by an independent agency authorized by CPCB and report of the independent agency should be submitted to Ministry's Regional office at Chandigarh/CPCB/ HSPCB.	Effluent: Quality of PTA ETP is monitored monthly by an MOEF&CC authorized independent agency and report is being submitted to HSPCB (Monthly) and to RO MOEF&CC (Six-Monthly).
	f) The Company shall fully abide by the Hon'ble Supreme Court orders on regulation of industrial discharge to River Yamuna and it's canals / drains.	Compiled.
5	Guard ponds of sufficient holding capacity should be provided to contain the effluent during process disturbances and or ETP failure.	Guard ponds of sufficient holding capacity are provided.
	The concerned units must be shut down in cases of effluent quality exceeding the prescribed limits.	Noted
SN	General Conditions Conditions stipulated in the EC letter	Status/Action plan
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1	The project authority must adhere to the stipulations made by Haryana State Pollution Control Board and State Government.	Complied
2	No expansion or modification of the plant should be carried out without prior approval of Ministry.	Noted
3	Data on ambient air quality and stack emissions as well as fugitive emissions of HC and Benzene from product storage tanks yard, naphtha tanks etc. must be regularly monitored and submitted to CPCB/ SPCB once in 3- months and to Ministry (Regional Office, Chandigarh) one in 6-months.	Complied. Mentioned reports are being sent to MOEF&CC once in 6 months and to HSPCB on bi-monthly basis. Stack analyzers are connected online with CPCB/HSPCB server.
4	The effluent quality before and after treatment should be regularly monitored. The frequency of monitoring and number of influent and effluent quality monitoring stations should be set up in consultation with the State PCB. The monitored data should be submitted to CPCB/ SPCB once in 3-months and to Ministry (Regional Office, Chandigarh) once in 6-months.	Complied influent and Effluent quality is being monitored at various stages of Effluent Treatment Plants also Final Treated Effluent Quality parameters (pH, BOD, COD &TSS) also connected online to CPCB/HSPCB server. Mentioned reports are being submitted to MOEF&CC once in 6 months and to HSPCB on monthly basis
5	Handling, manufacturing, storage and transportation of hazardous chemicals should be carried out in accordance with the Manufacture, Storage & Import of Hazardous chemicals Rules, 1989, as amended in 1991, Permissions from State and Central nodal agencies in this regard must be obtained.	Complied
6	Hazardous wastes, if any, must be handled and disposed as per Hazardous waste (Management and Handling) Rules, 1989. Authorization from State Pollution Control Board in this regard must be obtained.	Compiled Authorization for Hazardous Waste has been obtained from HSPCB which is valid up to 30.09.2028.

	Adequate provisions for infrastructure facilities such as water supply, fuel, sanitation etc. should be ensured for construction workers during the construction phase so as to avoid felling of trees and pollution of water and the surroundings.	Complied.	
	The overall noise levels in and around the plant area should be kept well within the standards (85d8A) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz 75 d8A (day time) and 70 d8A (night time).	Complied. Silencers are provided on compressor discharge, acoustic leggings on turbo generators & ejectors and acoustic chambers at the burners. The ambient noise level meets the standards.	
9	Occupational Health Surveillance of the workers should be done on regular basis and records maintained.	Complied	
10	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP and risk analysis report.	Complied	
11	The project proponent should have a scheme for social upliftment in the surrounding villages with reference to contribution in road construction ,education of children festivals, health centers, sanitation facilities, drinking water supply, community awareness and employment to local people especially the displaced people whenever and wherever possible both for technical and non-technical jobs.	Complied Social upliftment and community development has been properly taken care as per IOCL* Corporate Social Responsibility Policy through following CSR activities. — Promoting Sanitation — Environment Sustainability/ Renewable Energy Sources — Rural Development/ Promoting Preventive Healthcare/ Promotion of Sports — Promoting Education — Enhancement of Vocational Skills — Empowering Women	
12	A separate environmental management cell with full fledged laboratory facilities to carry out various management and monitoring functions should be set up under the control of senior executive.	Welfare of Underprivileged Complied Separate environment management cell is in place.	
13	certification within a time frame of 5 years or so after the commissioning.	ISO-14000 certification has been obtained. Complied	
14	The funds earmarked for the environmental protection measures should not be diverted for any other purpose and year-wise expenditure should be submitted to this Ministry (Regional Office, Chandigarh/CPCB/SPCB)	Implemented. Year-wise expenditure:	
		FY: 2021-22 FY:2022-23	
		Recurring Non-Recurri Non- recurring ng recurring	
		701.7 2849,7 3809,3 109.6	
1	Skx monthly status reports on the project vis-à-vis environmental measures should be submitted to this Ministry (Regional Office, Chandigarh/ CPCB/SPCB.	Complied, Six monthly compliance reports along with monitoring data are being submitted.	

16	The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Chandigarh/ State Pollution Control Board/ Central Pollution Control Board. A six monthly compliance status report should be submitted to monitoring agencies.	Will be adhered to.
17	The project proponent should advertise in at least two local newspaper widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearances by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/ Committee and may also be seen at Website of the Ministry and Forests at http://www.envfor.nic.in	Complied
18	The Project Authorities should inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project, by the concerned authorities and the date of start of land development work.	Compiled

10.1 × 1.0



COMPLIANCE TO ENVIRONMENTAL CLEARANCE STIPULATIONS FROM MOEF FOR MS QUALITY UPGRADATION PROJECT AT PANIPAT REFINERY BY IOCL,— J-11011/9/2001IA. II (I) DATED 06.12.2001

SN	EC Conditions	Compliance Status		
1.	The company shall ensure strictly implementations / Compliance of the terms and conditions mentioned vide Ministry's letter no. J.11011/60/2000-IA II dated 9 th April, 2001.	Complied (Stipulations are being strictly adhered for 6 MMTPA EC condition).		
2.	The company shall also ensure that total SO ₂ emission from the Panipat Refinery (including expansion and M5 Quality Improvement Project) will not exceed 1000 kg/hr.	Complied SO ₂ emission from the Panipat Refinery (including expansion and M5 Quality Improvement Project) is well within the limit.		
3.	The company shall comply with all recommendations made by Haryana SPCB vide consent order dated 24.01.2001.	Compiled.		
4,	The company shall comply with all recommendations made by EMP and risk Analysis reports:	Complied.		
5.	The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Chandigarh / State Pollution Control Board / Central Pollution Control Board. A six monthly compliance status report should be submitted to monitoring agencies.	Complied. Six monthly compliance reports along with monitoring data are submitted as stated.		
6.	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locally concerned informing that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board / Committee and may also be seen at Website of the Ministry and Forests at http://envfor.nic.in the advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Ministry's Regional Office.	Complied.		
7,	The project authorities should inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.	Complied.		



Modification in Plant Layout of Paraxylne and Purified Terephthalic Acid (PX/PTA)

Project within Panipat Refinery Complex and Integrated with Panipat Refinery (PR)

and Panipat Refinery Expansion Project (PREP) by M/s IOCL — Reg. Environmental

Clearance - J.11011/52/2000-IA II (I) dated 20.01.2003

SN	EC Conditions	Compliance Status	
ī	The company shall ensure strict implementation / compliance to the stipulations made by MOEF vide OM no. J-11011/60/2000-IA-II dated 3 th April, 2001 for expansion of Panipat Refinery from 6 MMTPA to 12 MMTPA and J-11011/52/2000-IA-II dated 30 th April, 2001 for integrated Paraxylene and Purified Terephthalic acid project at Panipat by M/s iOCL.	Complied.	
2	Total 50 ₂ emission after integration of PX-PTA project with PR/PREP shall not exceed 1275 kg/hr (i.e. 1000kg/hr. for PREP and 275 kg/hr from the proposed PX/PTA/CPP Project.)	50 ₂ emission is well within the limit. (Actual SO2 emission from the refinery is in the range of 800-900 kg/hr and from PX-PTA is in the range of 150-200 kg/hr)	
3	As per the commitment given, the total quantity of treated effluent shall not exceed 255m3/hr from the proposed integration project.	Total quantity of treated effluent discharged into Thirana Drain is maintained well below 255m ³ /hr.	
4	The company shall develop green best in an area of 75 acres as per the original plan in the PX-PTA project area.	Complied.	
5	The project authorities shall also comply with all the environmental protection measures and safeguards recommended in the EIA /EMP and risk analysis report submitted while seeking environmental clearance for the PREP and PX/PTA and PX/PTA/ PR project.		
6	As per the recommendations made in the Risk assessment study for the composite facility i.e., PX/PTA/PREP and associated facilities carried out by M/s KLG-TNO Safety Technology Ltd., the various elements of safety management system should be reviewed and updated keeping in view the new facilities added to the Refinery Complex. These include: Process and facilities information and documentation; Process Hazard Analysis; Operation Procedures; Inspection and Maintenance and Onsite Emergency Management Plan.	Various elements of Safety Management System (SMS has been reviewed and updated keeping in view the new facilities added. On-site Disaster Management Plan based on this Risk Analysis is also prepared which is accredited from PNGRB approved Third Party Inspection agency.	
7	The project authorities must adhere to the stipulations made by the HSPCB for the PREP, PX/PTA projects and NOC granted for the installation of Captive Power Plant.		



P-15
COMPLIANCE TO ENVIRONMENTAL CLEARANCE STIPULATIONS FROM MOEF FOR EXPANSION OF PANIPAT REFINERY (FROM 12 MMTPA TO 15 MMTPA) AND SETTING UP OF INDALIN* UNIT AT PANIPAT REFINERY COMPLEX OF IOCL, PANIPAT REFINERY HARYANA J-11011/7/2004-IA. II (I) dated 09.08.2004

5	EC Conditions	Compliance Status
N 1.	The company shall ensure strict implementation /	Complied
	compliance to the stipulations made by MOEF wide OM no. J-13001/60/2000-IA-II dated 9 th April, 2001 for expansion of Panipat Refinery from 6 MMTPA to 12 MMTPA	
2.	The gaseous emissions (SO _b , NO _c and HC, Benzene) from the various process units should conform to the standards prescribed under Environment (Protection) Rules, 1986 or norms stipulated by the SPCB whichever is more stringent. At no time, the emission level should go beyond the stipulated standards. In the event of failure pollution control system(s) adopted by the unit, the respective unit should not be restarted until the control measures are rectified to achieve the desired efficiency.	Complied. Emission from the stack is being monitored online and from approved lab on bi-monthly basis. All stacks are connected online to CPCB / HSPCB server for parameters such as SO ₂ , NO ₂ , CO & PM. Gaseous emission from various process units meets the prescribed standards.
2.	Adequate ambient air quality monitoring stations, (SPM, SO ₂ , NO, and HC, Benzene) should be set up in the refinery complex in consultation with SPEB, based on occurrence of maximum ground level concentration and down-wind direction of wind. The monitoring network must be decided based on modeling exercise to represent short term GLCs. Continuous on-line stack monitoring equipment should be installed for measurement of SO ₂ and NO ₃ . Data on VOC should be monitored and submitted to the SPCB / Ministry.	9 nos. CAAQMS (5 nos. in Refinery, 2 nos. in Panipat city, 1 no. each in Refinery township and Polishing Pond area) are in operation. These were set up in consultation with H5PCB. Also mobile van for ambient air quality monitoring is in place. All CAAQMS are connected to CPCB AAQMS server. For all stacks: 5O ₂ , CO, PM & NO, analyzers are available and connected with CPCB server. Fugitive emission monitoring for Hydrocarbon and benzene is done quarterly through approved agency. All reports are submitted to HSPCB as stated.
4.	Fugitive emission of HC from product storage tank yard, crude oil tanks etc. must be regularly monitored. Sensors for detecting HC leakage should also be provided at strategic locations.	Fugitive emission monitoring for Hydrocarbon and Benzene for product storage tanks and crude oil storage tanks is done through approved agency on quarterly basis. Hydrocarbon detectors have been provided as strategic locations:



5	EC Conditions	Compliance Status
5.	The company shall also ensure that the total SO2 emissions from the Panipat Refinery after expansion shall not exceed i.e. 1000 kg/hr. The company shall install an additional Sulphur Recovery Unit (225 MT/day capatity) with 99.9% efficiency and the entire gas generated should be amine treated to reduce the SO2 emissions level from the Refinery.	The total SO2 emission of Panipat Refinery is within the limit i.e. 1000 kg/hr as mentioned. Panipat Refinery has 5 nos. Sulphur Recovery Units (SRUs) as detailed below and 4 (99.9 % recovery efficiency) out of 5 units are in operation: 1 no. SRU: 99% efficiency ,1X115 MT/day capacity 4 no. SRUs: 99.9% efficiency ,4X225 MT/day capacity
6.	As per the commitment given, there should be zero effluent discharge due to the proposed expansion. The company should ensure that there will be no discharge of treated effluent into Thirana Drain and the treated effluent from the refinery is not discharged along with the treated effluent from PX-PTA plant. The entire treated waste water should be recycled for reuse in the plant operation and greenbelt development so as to maintain zero discharge. Further, the liquid effluent generated from the Refinery should be treated comprehensively to conform to the load based standards and concentration limits prescribed under Environment (Protection) Act, 1986 Rules.	There is no discharge of treated effluent from Refinery operations. ETP-1 & ETP-2 treated effluent meets Refinery MINAS. These treated effluents are re-used as a feed to RO plant and makeup to Cooling Towers. PTA-ETP treated effluent meeting Petrochemical MINAS is discharged into Thirana Drain as per Consent-To-Operate /approvals from MOEFECE, HSPCB & Irrigation Department.
7.	The IOCL shall ensure installation of continuous flow measurement devices so that only the permitted quantity of treated effluent from PX-PTA plant (255 m²/hr.) is discharged. Further, IOCL shall make all efforts to recycle and reuse the treated effluent from PX-PTA plant after commencing of the unit.	Flow meters were installed at the time of setting up PTA-ETP. At no point of time discharge of treated effluent is exceeding the prescribed limit of 255 m ³ /hr. Process Licensor M/s INVISTA has confirmed that "Recycle and Reuse" of PTA treated effluent is not feasible. PX-PTA has permission for discharge of 255m3/hr treated effluent from PTA-ETP to Thirana drain.
8.	Additional water requirement shall not exceed 400 m ² /hr. The total quantity of effluent generation should not exceed 1280 m ² /hr. as indicated in the Environment Management Plan. The treated effluent should be reused/ recycled to achieve zero discharge.	The total allowable withdrawal of fresh water as per previous EC was 3058.21 m³/hr (as per EC of 6-12 MMTPA expansion). Adding the additional quantity of 400 m³/hr, the overall total allowable water quantity is 3458.21 m3/hr. Presently, fresh water consumption of the Refinery is well below the above mentioned limits. Total quantity of effluent generation remains <1100 m³/hr. ETP-1 & ETP-2 treated effluent meets MINAS. These treated effluents from Refinery operation are completely re-used as a feed to RO plant and as a makeup to Cooling Towers.

S	EC Conditions	Compliance Status
		PTA-ETP treated effluent meeting Petrochemical MINAS is discharged into Thirana Drain as per approvals/ Consent to Operate from MOEFCC, HSPCB, and Irrigation Department.
9.	Green belt of adequate width and density should be provided to mitigate the effects of fugitive emissions all around the plant. The bio-sludge from the ETP should be used as manure in the green belt development. Company shall develop greenbelt in consultation with DFO as per CPCB guidelines.	Greenbelts with adequate width & density were already provided. These greenbelts were developed in consultation with the District Forest Dept. Bio-sludge from ETP is being used as manure after converting it into semi solid form.
10.	The IOCL shall make efforts to sell petroleum coke (0.9 MMTPA) to organized industries having consent from the concerned State Pollution Control Board. Further, the Pet-coke from the Delayed Coker Unit should be conveyed to storage area by pipe conveyer system. The company should ensure to prevent seepage in Pet-coke stockpile / storage area to prevent soil and ground water pollution.	The Refinery gives Pet-coke to a separate IOCL division called Marketing Division which sells the same to consented/registered industries. Pet-coke is conveyed to storage area by pipe conveyer system.
11.	The oily sludge generated from the refinery operation should be subjected to melting pit treatment for recovery of oil. The recovered oil should be recycled. The residual oily sludge should be disposed off in the HDPE lined pits.	The raw oily sludge generated from the Refinery is subjected to Oil recovery/Melting Pit treatment for recovery of oil. The recovered oil is recycled back with crude oil for processing. The residual sludge is disposed-off through confined Bio-remediation. Part of the sludge is processed in Coker unit.
12.	The company should adopt mounded storage for LPG. The project authorities shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP and risk analysis report.	The Mounded Bullets are in operation.
13.	Occupational Health Surveillance of the workers should done on a regular basis and records maintained as per the Factories Act.	The Refinery has a full-fledged Occupational Health Centre (OHC) in operation. The OHC carries out health surveillance of the workers on a regular basis and records are maintained.
Gen	eral conditions	
1.	The project authorities must strictly adhere to the stipulations made by the Haryana State Pollution Control Board and the State Government.	Complied
2.	No further expansion or modernization in the plant should be carried out without prior approval of the Ministry of Environment & Forests.	Noted.



S	EC Canditions	Compliance Status		
3.	At no time, the emissions should go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the respective unit should be immediately put out of operation and should not be restarted until the desired efficiency has been achieved.	Complied. Emission from the stack is being monitored online and from approved lab on bi-monthal basis. All stacks are connected online to CPCB/HSPCB server with parameters such a SO ₃ , NO ₉ , CO & PM.		
4.	The overall noise levels in and around plant area should be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, stiencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz 75 dBA (day time) and 70 dBA (night time).	The Refinery has provided silencers or compressor discharge, acoustic leggings or turbo generators & ejectors and acoustic chambers at the burners. The ambient noise level meets the standards.		
5.	The project authorities must strictly comply with the provisions made in Manufacture, Storage and import of Hazardous Chemicals Rules, 1989 as amended in 2000 for handling of hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives must be obtained before commission of the project.	Complied.		
6.	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management & Handling) Rules, 2003. Authorization from the State Pollution Control Board must be obtained for collections / treatment / storage / disposal of hazardous waste.			
7.	The project authorities will provide adequate funds both recurring and non-recurring to	Implemented.		
	implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions	FY: 2021-22 FY: 2022-23		
		Recurring Non-recurri ng recurring		
	stipulated herein. The funds so provided should not be diverted for any other purposes.	701.7 2849.7 3809.3 109.6		
8.	The stipulated conditions will be monitored by the Regional of this Ministry at Chandigarh / Central Pollution Control Board. A six monthly compliance report and the monitored data should be submitted to them regularly.	Six monthly compliance reports on EC conditions are submitted along with various monitoring reports as stated.		



S	EC Conditions	Compliance Status
9,	The Project Proponent should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests at http://www/envfor.nic.in This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office.	Compiled.
10.	The project authorities should 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.	Complied



ENVIRONMENTAL CLEARANCE STIPULATIONS FROM MOEFCC FOR BS-VI FUEL QUALITY UP-GRADATION AND EXPANSION OF PX/PTA PLANT AT PANIPAT REFINERY & PETROCHEMICAL COMPLEX (PRPC), PANIPAT (HARYANA) BY M/SINDIAN OIL CORPORATION LIMITED - ENVIRONMENTAL CLEARANCE - REG.

(Ref. No. J-11011/177/2016-IA- II (I) dated 26.03.2018)

SI. No.	EC Conditions	Compliance Status
(i)	Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Consent to Operate for BS-VI facilities including Panipat Refinery & PX-PT/ Petrochemical Complex has been received from HSPCB.
(a)	As already committed by the project proponent, Zero Uquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.	There is no discharge of treated effluent from Refinery operations. ETP-1 & ETP-2 treated effluent meets Refinery MINAS. These treated effluents are re-used as a feed to RO plant and makeup to Cooling Towers. PTA-ETP treated effluent meeting Petrochemical MINAS is discharged into Thirana: Orain as per Consent-To-Operate/approvals from MOEFCC, HSPCB & Irrigation Department.
(iii)	In case of PX/PTA expansion project, there shall not be any increase in effluent discharge and the treated effluent of 255 cum/hr shall continue to be discharged to the existing Thirana Drain.	There will be no increase in treated effluent discharge into Thirana Drain post PX-PTA capacity expansion project.
(iv)	Necessary authorization required under the Hazardous and Other Wastes Management Rules, 2016 shall be obtained and the previous contained in the Rules shall be strictly adhered to.	Authorization under Hazardous and Other Wastes Management Rules, 2016 received from HSPCB on 16.06.2020 which is valid upto 30.09.2023.
(v)	Total SO ₂ emissions from the Refinery (including BS-VI Upgradation project) shall not exceed 1100 kg/hr whereas. For the PX/PTA plant after expansion, total SO ₂ emissions shall not exceed 375 kg/hr. Accordingly, total SO ₂ emissions from the Refinery Complex shall be limited to 1475 hg/hr.	SO ₂ emissions from the Refinery (including 8S-VI Up gradation project) is within 1100 kg/hr. SO ₂ emissions from after PX-PTA expansion project is well below 375 Kg/hr. Total SO ₂ emission from refinery complex is well below 1475 Kg/hr.
(vi)	National Emission Standards for Organic Chemicals Manufacturing Industry Issued by the Ministry vide G.S.R. 608(E) dated 21 st July, 2010 and amended from time to time shall be followed.	Complied.
(Mi)	To control source and the fugitive emissions, suitable pollution control devices shall be installed with different stacks (attached to DHDT, HGU, Prime G) to meet the prescribed norms and for the NAAQS. The gaseous emissions shall be dispersed through stacks of adequate height as per CPCB / SPCB guidelines.	For BS-VI fuel quality up gradation project- Complied, Post commissioning of the PX-PTA capacity expansion project, same shall be ensured.



SI. No.	EC Conditions	Compliance Status
viii)	Total fresh water requirement shall not exceed 354 m3/hr (6500 KLO) to be met from Munak Regulator. Necessary permission in this regard shall be obtained from the concerned regulatory authority.	Complied
x)	Process effluent/any waste water shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Compiled
x)	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer to be done through pumps.	Complied
ei)	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF. The ash from boiler shall be sold to brick manufacturers/cement industry.	Complied. Being mixed fuel (Uquid +Gas) firing in the Boiler, there is no ash generation.
xii]	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	Complied
an)	Fly ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure to workers to fly ash & dust should be avoided.	Not Applicable
iv)	The company shall undertake waste minimization measures as below: (a) Melering and control of quantities of active ingredients to minimize waste. (b) Reuse of by-products from the process as raw material or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.	Complied
v)	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind-direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	Complied
vi)	At least 2.5% of the total project cost shall be allocated for Enterprise Social Commitment and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	Compiled:
(5)	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic	Complied

SI.	EC Conditions	Compliance Status
	enclosure shall be provided to DG set for controlling the noise pollution.	In the second
(mylli)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.	
(xix)	Continuous online (24X7) monitoring system for stack emission shall be installed for measurement of five gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server.	L connected to CPCB/HSPCB server.
	For online continuous monitoring of efficient, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying efficient within the premises. In case of the treated efficient to be utilized for irrigation/gardening, real time monitoring system shall be installed at the ETP outlet.	
(xx)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	
ienera	l Conditions	1 SHIPS AND
(0)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board, Central Pollution Control Board, State Government and any other statutory authority.	Complied
(11)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alternations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any,	Noted
(III)	The locations of ambient air quality monitoring stations shall be decided in consultation with State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Compiled 2 nos, of additional CAAQMS under 8S- VI fuel quality up-gradation project is installed in addition to existing 7 nos, of CAAQMS, All CAAQMS are connected to CPCB AAQMS server.
lv)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 825 (E) dated 16 th November, 2009 shall be followed.	Complied
V)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including	Compiled Acoustic hoods, silencers and enclosures are provided on all sources of noise generation.



SI.	EC Conditions		Comp	liance St	atus
40.	time).	17 -	1 1	1201	-
(vi)	The Company shall harvest rainwater from the roof tops of the building and storm water drains to recharge the ground water and us the same water for the process activities of the project to conserve fresh water.	Rain water harvesting pits are provide to collect rain water from roof tops ar			
(vii)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.				
(viii)	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management and risk mitigation measures relating to the project shall be implemented.		1 4		
(ix)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration.				
(x)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.				
xi)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum	Implemen	ted		ny 'E
	to implement the conditions stipulated by the	FY: 20	P. Tohorowanian	THE REAL PROPERTY.	022-23
3	Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the	Recurri ng	Non- recurr ing	Recur	Non- recurrin
	conditions stipulated herein. The funds so earmarked for environment management/ poliution control measures shall not be diverted	701.7	2849. 7	3809. 3	109.6
- 1	for any other purpose.		Ŧ . 6	- 3	6 4
(xii)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.	Complied			
xiii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance	Six monthly EC compliance report is submitted as stated. It is also posted on the website of the company.			

SI. No.	EC Conditions	Compliance Status
(xiv)	The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Environment statement is submitted to the statutory bodies annually.
(xv)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied and informed
(xvi)	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied



ENVIRONMENTAL CLEARANCE STIPULATIONS FROM MOEFCC FOR INSTALLATION OF 100 KLPD LIGNO-CELLULOSIC 2G ETHANOL PLANT AT BAHOLI, BLOCK MADLAUDA, PANIPAT REFINERY ROAD, DISTRICT PANIPAT (HARYANA) BY M/S INDIAN OIL CORPORATION LIMITED - ENVIRONMENTAL CLEARANCE - REG. (Ref. No. IA-J-11011/43/2018-IA- II (I) dated 13.11.2019)

SN	EC Conditions	Compliance Status
	eral Conditions	
1.	The project authorities must strictly adhere to the stipulations made by State Pollution Control Board (SPCB), State Govt. and/or any other statutory authority.	Complied
2.	No further expansion or modifications in the plant 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 proposal from those submitted to this ministry for clearance a fresh reference should be made to the ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Approval of MoEF&CC will be obtained for future expansion, if any.
3.	The location of Ambient Air Quality Monitoring Stations shall be decided in consultation with the State Pollution Control Board and it shall be ensured that at least one stations each is installed in upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	2 nos. ambient air quality monitoring stations have been installed (One at upwind and another one at downwind direction), Connectivity with CPCB CAAQMS server under progress.
4.	The Nation Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826 (E) dated 16 th November, 2009 shall be complied with.	Complied
5.	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 source of noise generation. The ambient noise levels shall confirm to the standards prescribed under the Environment (Protection) Act, 1986 and the rules made there under.	Complied.
6.	The company shall harvest rain water from the rooftops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations inside the plant.	Complied, 18 nos rain water harvesting pits (RWHP) have been installed.
7.	Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied
8.	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the ministry. All the recommendations made in the EIA/EMP in respect of environmental management risk mitigation measures and public hearing shall be implemented.	All the Recommendations given in the EIA report and Public Hearing have been implemented except piezometer installation Piezometer installation is under progress.

9.	The company shall undertake all measures for improving socio- economic conditions of the surrounding area. CER activities shall be undertaken by involving local villagers, administration and other stake holders. Also eco-developmental shall be undertaken for overall improvement of the environment.	is being d	one.
10.	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	the I Managem	ental ent Ceil is with full- refinery to carry out invironmental
11.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forests and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment	Complied. Following earmarked environme	funds is for
	management/pollution control measures shall not be diverted for any other purpose.	Capital cost 3507 takhs	Recurring cost 187 lakhs
12.	A copy of the clearance letter shall be sent by the project proponent to the concerned Panchayat, Zila Parishad/Municipal corporation, urban local body and local NGO, if any, from whom suggestion/representation, if any, were received while processing the proposal.	control me Compiled	asures:
13,	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (Both in hard copy as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.	Complied	Sec.
14.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of Environmental Gearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Complied	
15.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in . This shall be advertised within seven days from the date of issue of clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional Office of the Ministry.	Complied	

-	ific Conditions The project proponent shall install 10 TPD 2G Ethanol demo plant for	Compiled
1.	R&D oursese	3000500949
2.	Prior approval shall be obtained from the Petroleum & Explosive Safety Organization (PESO) for the site and layout plan submitted to this ministry along with the proposal for EC. In case of any changes therein post PESO approval, the proposal shall require fresh appraisal by the	Complied
3.	Necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 as applicable from time to time shall be obtained from the State Pollution Control Board as required.	Compiled, CTO received on 21,07,2022
4.	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste / treated water shall be discharged outside the premises.	Complied, ZLD is ensured and no treated water is discharged outside the premises.
S.	Sludge management plan shall be formulated and ensured.	Complied, Being non-hazardous, sludge from ETP is disposed off in landfilling.
6.	Ash management shall be ensured by utilizing for manufacturing bricks.	Complied, M/s Shree Coment and M/s Garg build solutions are lined up for utilization of Ash in cement and bricks manufacturing respectively.
7.	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement Rules ,2016 Solid Waste Management Rules ,2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	Hazardous waste Authorization obtained from HSPCB.
8.	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAOS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Complied, Stack is provided as per CPCB/SPCB guidelines.
9.	Total fresh water requirement shall not exceed 109 m ³ /nr., proposed to be met from Munak Regulator on Western Yamuna Canal. Prior permission shall be obtained from the concerned regulatory authority.	Complied, Permission for withdrawal of fresh water from Ministry of water resources. Heryana is taken and it is valid upto 01.04.2024.
10.	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arrester shall be provided on tank farm and the solvent transfer through pumps.	Complied,
11.	Process organic residue and spent carbon, if any shall be sent to cement industries. ETP sludge, process inorganic and evaporation salt shall be disposed off to the TSDF.	Compiled, Being non-hazardous, sludge from ETP is disposed off in landfilling.



12.	The company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as mentioned time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicles Act, 1989.	Complied.
13.	The company shall undertake waste minimization measures as below: (a)Metering and control of quantities of active ingredients to minimize waste. (b)Reuse of by-products from the process as raw materials or as raw materials substitutes in other processes. (c) Use of automatic filling to avoid spillage. (d)Use of Close Feed System into batch reactors. (e)Venting equipment through vapor recovery system. (f) Use of high pressure hoses for equipment clearing to reduce waste water generation.	Compiled
14.	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be done as per the CPCB guidelines in consultation with the State Forest Department.	Compiled, Green belt more than 33% of total plant area is available.
15.	and the second s	All the commitments made regarding issues raised during Public Hearing have been implemented except piezometer installation. Piezometer installation is under progress.
16.	At least 1% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and Item wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	Under implementation.
17.	For the DG sets, emission limits and stack height shall be in conformity with the extant regulations and the CPCB regulations. Acoustic enclosures shall be provided to the DG set for controlling the noise pollution.	No DG sets are installed In this project.
18.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.	Complied, Necessary firefighting equipments are provided as per recommendations made in the RRA report.
19.	Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied
20.	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.	Complied

21,	Storage of raw material shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Complied
22.	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel /drain carrying effluent within the premises.	Stack is provided as per CPCB/SPCB guidelines. For online continuous monitoring of effluent and emission, analyzers connectivity to the CPCB and HSPCB server is under progress. Installation of web camera completed and flow meter installation is under progress.



ENVIRONMENTAL CLEARANCE STIPULATIONS FROM MOEFCC FOR SETTING UP 128 KL PER DAY ETHANOL PRODUCTION PLANT BY M/S INDIAN OIL CORPORATION LTD. (IOCL) IN PANIPAT REFINERY & PETROCHEMICAL COMPLEX AT PANIPAT, HARYANA ENVIRONMENTAL CLEARANCE - REGARDING

(Ref. No. J-11011/78/2018-IA- II (I) dated 25.11.2019)

SN	EC Conditions	Compliance Status
Gen	eral Conditions	A CONTRACTOR OF THE CONTRACTOR
1.	The project authorities must strictly adhere to the stipulations made by State Pollution Control Board (SPCB), State Govt. and/or any other statutory authority.	Complied
2.	No further expansion or modifications in the plant 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 proposal from those submitted to this ministry for clearance a fresh reference should be made to the ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Approval of MoEF&CC will be obtained for future expansion, if any.
3.	The location of Ambient Air Quality Monitoring Stations shall be decided in consultation with the State Pollution Control Board and it shall be ensured that at least one stations each is installed in upwind and downwind direction as well as where maximum around level concentrations are anticipated.	Installation of 2 nos. Air Quality Monitoring Stations is in progress.
4.	The Nation Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826 (E) dated 16 th November, 2009 shall be compiled with.	Complied
5,	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 source of noise generation. The ambient noise levels shall confirm to the standards prescribed under the Environment (Protection) Act, 1986 and the rules made there under.	Complied.
6.	The company shall harvest rain water from the rooftops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations inside the plant.	Complied, Rain water harvesting pits are installed.
7.	Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied
8.	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the ministry. All the recommendations made in the EIA/EMP in respect of environmental management risk mitigation measures and public hearing shall be implemented.	Complied, All the Recommendations given in the EIA report and Public Hearing have been implemented.
9.	The company shall undertake all measures for improving socio- economic conditions of the surrounding area. CER activities shall be undertaken by involving local villagers, administration and other stake holders. Also eco-developmental shall be undertaken for overall improvement of the environment.	Under implementation.
10.	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Environmental Management Cell is available with full- fledged refinery laboratory to carry out the Environmental Management and Monitoring functions.

11,	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forests and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	Complied
12.	proponent to the concerned Panchayat, Zila Parishad/Municipal corporation, urban local body and local NGO, if any, from whom suggestion/representation, if any, were received while processing the proposal.	Complied
13.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (Both in hard copy as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.	Complied
14,	The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the concerned State Poliution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of Environmental Clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Complied.
15.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in. . This shall be advertised within seven days from the date of issue of clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional Office of the Ministry.	Complied
Spe	cific Conditions	
1.	Necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 as applicable from time to time shall be obtained from the State Pollution Control Board as required.	Complied, CTO is received or 27.67.2022
2.	Effluent of 209 cum per day shall be treated in existing Effluent Treatment Plant of Panipat Refinery and Panipat Refinery will not exceed the permissible discharge as allowed to Panipat Refinery while granting environmental clearance vide letter dated 26 th March 2018.	Complied
3.	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement Rules ,2016 Solid Waste Management Rules ,2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	Complied
4.	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Compiled, Adequate measures have been taken to control fugitive emissions. No furnace/boiler is installed in this project.



5.	Odour shall be prevented at the source and effective odour management scheme shall be implemented.	Compiled, Monitoring of adour is done regularly and its control measures are implemented.
6.	Total fresh water requirement shall not exceed 3600 cum/day, proposed to be met from Munak Regulator on Western Yamuna Canal. Prior permission shall be obtained from the concerned regulatory authority.	Complied. Permission for withdrawal of fresh water from Ministry of water resources, Heryana is taken and it is valid upto 01.04.2024.
7,	Hazardous chemicals shall be stored in tanks, tank forms, drums, carboys etc. Flame arrester shall be provided on tank form and the solvent transfer through pumps.	Complied,
8.	Process argenic residue and spent carbon, if any shall be sent to cement industries. ETP sludge, process inorganic and evaporation salt shall be disposed off to the TSDF.	Compiled
9.	The company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as mentioned time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicles Act, 1989.	Complied
10.	The company shall undertake waste minimization measures as below: (a)Metering and control of quantities of active ingredients to minimize waste. (b)Reuse of by-products from the process as raw materials or as raw materials substitutes in other processes. (c) Use of automatic filling to avoid spillage. (d)Use of Close Feed System into batch reactors. (e)Venting equipment through vapor recovery system (f) Use of high pressure hoses for equipment clearing to reduce waste water generation.	Complied
11,	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be done as per the CPCB guidelines in consultation with the State Forest Department.	total plant area is available.
12.	All the commitments made regarding issues raised during the public hearing / consultation meeting shall be satisfactorily implemented.	Compiled



13.	At least 1% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office. Priority shall be given for construction/repair of the village roads.	Under implementation.
14.	For the DG sets, emission limits and stack height shall be in conformity with the extant regulations and the CPCB regulations. Acoustic enclosures shall be provided to the DG set for controlling the noise pollution.	No DG sets are installed in this project.
15,	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.	Compiled, Necessary firefighting equipments are provided as per recommendations made in the RRA report.
16.	Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied
17.	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.	Complled
18.	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel /drain carrying effluent within the premises.	No furnace/boller is installed in this project
19.	The unit shall comply with NGT order and shall not damage environment any further including ground water.	Complied
20.	The unit shall take precautionary measures for control of VOCs and shall follow CPCB guideline and norms.	Complied

Annexure-10

ENVIRONMENTAL CLEARANCE STIPULATIONS FROM MOEFCC FOR PANIPAT REFINERY CAPACITY EXPANSION FROM EXISTING 15 MMTPA TO 25 MMTPA WITHIN THE EXISTING REFINERY COMPLEX, ENVIRONMENTAL CLEARANCE – REGARDING (EC Identification No. EC21A010HR142882; File No. J-11011/177/2016-IAII(I) dated 03.12.2021)

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minimize waste b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c. Use of automated filling to minimize spillage. d. Use of Close Feed system into batch reactors. e. Venting equipment through vapour recovery system. 1. Use of high pressure hoses for equipment clearing to reduce wastewater generation. (xi). The green belt of 5:10 m width shall be developed in the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. The project proponent shall ensure 33% greenbelt area vis-4vis the project area through afforestation in the degraded area. The Selection of plant species shall be as per the CPCa guidelines in consultation with the State Forest Department. (xii). As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socioeconomic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like soiar street lights, bettery, solar panel etc., in the nearby villages. The action plan shall to be completed within time as proposed. (xiii). For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution. (xiv). The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the noirns. (xiv). Continuous unline (24x7) monitoring system for stack emissions shall be installed for measurement of figure gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB	x [.	The company shall undertake waste minimization measures as below: -	Will be compiled
b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c. Use of automated filling to minimize spilliage. d. Use of Close Feed system into batch reactors. e. Venting equipment through vapour recovery system. I. Use of high pressure boses for equipment clearing to reduce wastewater generation. (xi). The green bett of 5-10 m width shall be developed in the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. The project proponent shall ensure 33% greenbelt area vis-à-vis the project area through afforestation in the degraded area. The Selection of plant species shall be as per the CPCB suidelines in consultation with the State Forest Department. (xii). As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socioeconomic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centers/ support in nearby willage's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like soiar street lights, bettery, solar panel etc., in the nearby villages. The action plan shall to be completed within time as proposed. (xiii). For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution. (xiv). The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fireflighting system shall be as per the norms. (xiv). Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online		The state of the s	W. 3.00.3.5.—10-36-3.515
c. Use of automated filling to minimize spillage. d. Use of Close Feed system into batch reactors. e. Venting equipment through vapour recovery system. T. Use of high pressure hoses for equipment clearing to reduce wastewater generation. (xi). The green belt of 5-10 m width shall be developed in the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. The project proponent shall ensure 33% greenbelt area vis-à-vis the project area through afforestation in the degraded area. The Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. (xii). As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socioeconomic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centers/ support in nearby village's schools, support in health care facilities, draining water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall to be completed within time as proposed. (xiii). For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution. (xiv). The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms. (xv). Continuous unline (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of-filluent, the unit shall install web camera with night vision calability and flow meter		b. Reuse of by-products from the process as raw materials or as raw	
d. Use of Close Feed system into batch reectors e. Veriting equipment through vapour recovery system. [F. Use of high pressure hoses for equipment clearing to reduce wastewater generation. [Xii). The green belt of 5-10 m width shall be developed in the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. The project proponent shall ensure 33% greenbelt area vis-a-vis the project area through afforestation in the degraded area. The Selection of plant species shall be as per the CPC3 guidelines in consultation with the State Forest Department. [Xiii). As per the Ministry's OM dated 30.09, 2020 superseding the OM dated 01.05, 2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socioeconomic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall to be completed within time as proposed. [Xiii]. For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set, for controlling the noise pollution. [Xiv]. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling: Firefighting system shall be as per the norms. [Xiv]. The unit shall make the arrangement for protection of possible fire hazards during manufacturing system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capabi			
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The green belt of 5-10 m width shall be developed in the total project wastewater generation. The green belt of 5-10 m width shall be developed in the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. The project proponent shall ensure 33% greenbelt area vis-à-vis the project area through afforestation in the degraded area. The Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.			
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 (xii) As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socioeconomic and environmental issues in the study area, the project proponent, as committed, shall provide aducation funds in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall to be completed within time as proposed. (xxii) For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the 'CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution. (xiv) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms. (xv) Continuous unline (2Ax7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises. In case of the treated effluent to be utilized for irrigation/gardening, real time monitoring system shall be installed at the ETP outlet. (xvi) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. (xvii) Process safety and risk assessment studies shall be further carried out using advanced models, and the mitigating measures shall be undertaken/implemented eccorcingly. (xviii) The PP should improve the efficiency of ETP Plan	(xi).	area, mainly along the plant periphery, in downward wind direction, and along road sides etc. The project proponent shall ensure 33% greenbelt area vis-à-vis the project area through afforestation in the degraded area. The Selection of plant species shall be as per the CPCB	Will be compiled
conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution. (xiv). The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms. (xiv). Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises. In case of the treated effluent to be utilized for irrigation/gardening, real time monitoring system shall be installed at the ETP outlet. (xivi). Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. (xivii). Process safety and risk assessment studies shall be further carried out using advanced models, and the mitigating measures shall be undertaken/implemented eccordingly. (xiviii). The PP should improve the efficiency of ETP Plant and the water discharge should be as per prescribed CPCB Norms. They should also install 24x7 hours monitoring system (of the discharge) and the same	(sti).	As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socioeconomic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall to be completed within time as proposed.	Will be complied
hazards during manufacturing process in material handling. Firefighting system shall be as per the norms. (rv). Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises. In case of the treated effluent to be utilized for irrigation/gardening, real time monitoring system shall be installed at the ETP outlet. [xvii). Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. [xviii). Process safety and risk assessment studies shall be further carried out using advanced models, and the mitigating measures shall be undertaken/implemented eccordingly. [xviii). The PP should improve the efficiency of ETP Plant and the water discharge should be as per prescribed CPCB Norms. They should also install 24x7 hours monitoring system (of the discharge) and the same	(xoni).	conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise	Complied
(xvi). Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises. In case of the treated effluent to be utilized for irrigation/gardening, real time monitoring system shall be installed at the ETP outlet. [xvii). Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. [xviii). Process safety and risk assessment studies shall be further carried out using advanced models, and the mitigating measures shall be undertaken/implemented accordingly. [xviii). The PP should improve the efficiency of ETP Plant and the water discharge should be as per prescribed CPCB Norms. They should also install 24x7 hours monitoring system (of the discharge) and the same	(xiv).	hazards during manufacturing process in material handling. Firefighting	Will be complied
 (xvii). Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. (xviii). Process safety and risk assessment studies shall be further carried out using advanced models, and the mitigating measures shall be undertaken/implemented eccordingly. (xviii). The PP should improve the efficiency of ETP Plant and the water discharge should be as per prescribed CPCB Norms. They should also install 24x7 hours monitoring system (of the discharge) and the same. 	(nv).	Continuous unline (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises. In case of the treated effluent to be utilized for irrigation/gardening, real time	Will be complied
(xviii). Process safety and risk assessment studies shall be further carried out using advanced models, and the mitigating measures shall be undertaken/implemented eccordingly. (xviii). The PP should improve the efficiency of ETP Plant and the water discharge should be as per prescribed CPCB Norms. They should also install 24x7 hours monitoring system (of the discharge) and the same	(xvi).	Occupational health surveillance of the workers shall be done on a	Will be compiled
(xviii). The PP should improve the efficiency of ETP Plant and the water discharge should be as per prescribed CPCB Norms. They should also compiled install 24x7 hours monitoring system (of the discharge) and the same	brellj.	Process safety and risk assessment studies shall be further carried out using advanced models, and the mitigating measures shall be	Will be complied
	(xviii).	The PP should improve the efficiency of ETP Plant and the water discharge should be as per prescribed CPCB Norms. They should also install 24x7 hours monitoring system (of the discharge) and the same	
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200	No further expansion or modifications in the plant, other than	Noted
(1).	mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	
00).	The energy source for lighting purpose shall be preferably LEO based, or advanced having preference in energy conservation and environment betterment.	Will be complied
(91).	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Will be complied
(iv).	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Will be complied
(v).	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	Will be complied
(vi).	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.	No representations received/suggestions received from these mentioned authorities while processing the proposal.
(vii).	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	This is complied for existing refinery and will continue to do so in future
(viii).	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	This is compiled for existing refinery and will continue to do so in future
	r r	



(br).	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Compiled and informed
(x).	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Will be complied
(xt).	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted





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TEST CERTIFICATE

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Sample Descriptions

M/s ledian Oil Corporation Limited

(Walineries Division) Partlett Naphtha Cracker, Paniest (Horyana)

Report No.

AAL ENV-20230704939, AAL ENV-20230707002, AAL (INV-2023971) 009, AAL ENV-20230714028. AAL BNV-20230718015, AAL ENV-20230721001.

Page Lof L

AAL ENV-20230725003, AAL ENV-20230728014.

AAL ENV-20230802002

Date of Reporting 07/08/2020

Sampling Methods

15:5182 (Part-14)-2900

Work order Item: Sampling Location: Roof of Administration Bullding

Ambient Air Quality Manifesting Panigut Refinery (Tubis-D)

Sampling Duration: Sampling Done By: AAL

24:00 Hry

TEST RESULTS

Test Parameter-+ than of Samplings	PM _D (serv)	PM _p (opt-3	SO ₁ (rpm ²)	360s- 64pm/)	(2000)	(egur)	NH _a (agraf)	(agni')	Cally Sparse's	drawe's	Ni trere's	Booti (rulni)
(1)-07-2023	46.4	89.5	204	28.6	1.00	29.2	41.2	ND:	1.10	ND	ND	ND
06-07-2023	40.2	73.6	10.6	26.5	0.80	26.8	39.5	NO	3.15	ND	NO	ND
10407-2023	56.8	94.8	11.6	26,3	1.05	28.4	62.5	NP	120	280	ND	NO
13-07-2023	54.3	942	11.8	28.8	1.00	28.7	41.9	140	1.15	ND	80	NO
17-07-2925	38.4	72,9	10.2	24.2	0.80	27.3	39.2	NO	1.30	GH	ND.	ND
20-01-2023	19.2	72.1	10,4	24.6	0.80	27.6	31.4	ND.	1.10	NO	300	NO
24-07-0023	33.%	1935	9.8	23,7	0.75	26.7	37.5	ж	1.50	ND	80	ND
27-05-2023	38,4	70.3	9.9	24.6	0.80	27.3	39.6	ND	1.00	ND	ND	MO
3140742023	30.8	67.8	9,6	214	0.75	27.2	40.4	ND	1.10	ND	ND	160
Minimum	40.2	92.6	11.9	29.4	1.00	29.6	41.5	10/	1.00	+	-	- 3
Medenos:	48.8	112.6	13.9	33.2	1,20	32.2	47.2		1.20	-	- 2	
Arrrage	84.1	101.2	12.9	51.5	1,09	30.2	66.5		1.12			-
NANQ Smadard	441	300	80	40 ***	1	100	450	1	5		.30	1
Less Marriages	D-91867- 36-4717	10 15 (D)*-	10-2500 10-2500	\$140 GUP \$12000	\$5-1718 \$5-1718	MAJANT- NATES	B-HER-	11-30H	B-1121.F. 10-306	MARKETON STRONG	6-0.207 800	(3-0/15) (7)-2004

** End of Report**

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> ASHUTOSH BRUWLS Deputy Technical Manager Authorised Signatory

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Website: www.aalkundii.com

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Report No.

Page 1 of 1

Issued To:

M/s Indian Oil Corporation Limited

(Refineries Division)

Fampa (Harywoo)

Panipat Nightha Cracker.

AAL ENV-20230804016, AAL ENV-20230808001, AAL ENV-20230811059, AAL ENV-20230816001. AAL ENV-20230818023, AAL ENV-20230822018. AAL ENV-20130825003, AAL ENV-20230829021.

AAL ENV-20230901002

Date of Reporting:

06/09/2021

Sample Description:

Ambient Air Quality Monitoring

Sampling Method:

19:5182 (Part-14)-2000

Work order Dam: Sampling Lacation: Panipa Bullenry (Tidde-D) Ranf of Atternistration Building

24:00 Hm Sampling Duration:

AAL Sampling Dane By:

TENT BESULTS

Test Paramotess— Date of Sumplings	PM ₁₂ (qq/m ²)	PM ₁₀ (age-1)	50) (upor)	NO:	(mpts.)	0,00	Series .	Crisell	C,H _e log(w))	As Ingle's	NI septiti	B(u)P (upue)
03/08/2013	32.5	7679	10.5	24,5	0.75	30.5	368	14D	1.05	ND	ND	7(1)
47/08/2625	42.8	80.5	133	36.2	1.10	32.4	314	No	1.20	ND	ND	ND
10/08/2023	38,0	75.8	12,0	23,0	0.83	263	30.9	ND	3.15	ND	ND	NO
1608/2023	48.3	73.5	10.8	24.7	0.95	32.0	38.7	ND	1.20	ND	ND	ND
12:08:2022	45,7	KE 6	11/4	27.3	1.05	29.5	42.3	ND	1.25	ND	ND	100
25/08/2023	36.1	70.2	12.7	28.1	0.85	38.6	40.7	NO.	1.00	ND	NP	ND
2/08/2023	40.5	78.8	12.5	25.4	0.80	29.3	30.4	NO.	1,00	ND.	ND	SD
28/06/2023	43.7	77.5	0.8	30.6	0.73	28.4	31.0	ND.	1.05	ND	ND	ЯÜ
31/08/2023	349	74.3	193	22.7	9.80	29.8	43.2	NS	1.15	ND	ND	340
Михичи	48.3	93.5	12.0	29.9	1.10	32.4	43.2	00/	1,25		-	14
Militaria	34/9	79.2	9.8	21.7	0.75	26,3	30.4	1	1,05			29
Average	40.9	29.1	HA	36.4	0,88	29.6	36.6		1.15			-
NAAQ Stational	100	100	80	10	1	196	486	1	- 5	-6	29	
Test Meilinit	35 F151.09 34(-11:0)	SERVICE DE 1906	(F-1)-201	10 map 6-744	H SHIP HUNDER	Herisage.	96.8367(P) 27) (H)B	38-1115A 32-1004	HAUSE TO-DEE	10-20m	AACHOF /HIS	99-814532 931-2000

**End of Reports*

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> ASHUTOSH SRIVASTAVA Deputy Technical Manager Authorised Signatory

The Result Indicated above rafer to the horted sample and lated test paremeters unty, extransment of products is neither inflated not implied. It has bathly of our behousing in emiliar modes animal. This report shall not be precisioned which or an part without senting consent of the belowing. This report shall not be used in any advertising made or an epidemical in the point of law willows paremeter of the indicated of the indicated of the indicated products of the properties completely and only advertising animal animal paremeters are producted after one model and complaints sample shall be described after one model and complaints sample shall be described after one model and complaints sample shall be described.



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(Buffreries Division) Panipat Nophtha Cracker, Panipat (Haryana)

Report No.

Page I of I

AAL ENV-20250905008, AAL ENV-20210908021, AAL ENV-20030912011, AAL ENV-20230913011,

AAL ENV-20230929007, AAL ENV-20230922039.

AAL ENV-26230929010

Sample Description: Work order Item:

Sampling Location:

Ambient Air Quality Monitoring

Frisipat Reflexty (Table-D) Roof of Administration Building

Sampling Method: Sampling Durations

Sampling Done By:

Date of Reporting:

66/10/2023

15:5182 (Part-14)-2000 24:00 lbs

AAL

DESTRESULTS.

4	-	1										
Test Particulars of Date of Suspicipa	franc's	tram's	SO ₃	NO ₄ (spin')	(CO	O, topin's	NIII. (que')	(apin')	Calla (open)	As (right)	Ni Inperio	B(s)P
04/04/2023	40.1	813	12.3	21.6	1.20	25.4	18.6	NB	1.15	ND	NB	ND
07/0W2023	38.0	76.1	163	28.3	0.85	363	32.4	NO:	1.20	NO	ND	ND
\$1/09/2023	30.5	72.3	163	30.6	9.33	25.6	34.0	ND	1.25	ND	ND	ND
14/09/2023	42.3	78.6	9.6	26.5	1.05	30.7	30.3	NO	1.13	ND	ND	ND
18/09/2023	46.2	73.8	10.3	30.7	1.10	26.3	27,4	ND	1.20	ND:	ND	ND
21/04/2023	396	11.6	13.1	26.4	0.75	24.8	31.9	ND	1.10	ND	ND	ND
28/09/2023	40.5	78.6	12,1	23.5	0.83	26.2	34.5	ND	1.15	ND	ND	ND
Magnines	46.2	R1.6	14.5	36.7	1.20	30,2	34.6	7	1,25		-	-
Misimare	16.5	72.3	9.6	21.6	0.75	24.8	27,4	10	1,10			
Annet	49.6	77,8	11.8	26,8	9,96	175	31.4	-/	1.17		_	- 25
AAQ Standard	140	100	10	*	1	100	418)	- 1	5	-	10	-
test Method	9-31847 14-3819	Strine Strine	85-5130 17-61-000	Western	10-1137/F: (06-1109	10 (12) (C. 10) (C. 10	Marine Marine	Heline	SERVICE HOLDON	U-Salays disting	ANLTON	PERSONAL PROPERTY.

Deputy Technical Manager

Authorised Signatory

The Planet indicated above refer to the tested complex and listed test parameters only, wednesdests of products is welfar infamed not arraised.

2. Total fability of our listiciancy is limited to the investor amount.
3. The record shall not be reproduced which in the investor amount.
5. The record shall not be reproduced which in the entire amount within several of the company.
4. This record shall not be used or any according media or as evidence in the chart of the entire prior written content of the laborators.
5. The record shall not be used or any according media or as evidence in the chart of the entire content or any according to the laborators.
6. The record shall not be used in the entire and the entire of the entire



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Page Lof 1

Intred Te-

M/a Indian Oil Corporation Limited

Report No.

AAL FS V-20231004082, AAL ENV-2023100760X.

(Refinence Division) Pampat Naginha Cracker,

AAL ENV-20231010001, AAL ENV-20231013025. AAL ENV-20231017024, AAL ENV-20231020015

Pampat (Harywood)

Date of Reporting:

25/10/2023

Sample Description. Work order been

Ambient Air Quality Manuturing

finmpling Mathod:

IS:5132 (Part-14)-2000

Minipin Bellinery (Tubse-LF)

Sampling Doration:

24:08 Hrs

Sampling Location:

Roof of Administration Building

Sampling Done By:

DEST-RESULTS

Test Method	346-3414	25-58835- 25-596	(F3:39)	\$5.000 F-	15-6-1006 15-1466	10-1000F	16500	As open at Otto-trees	111.0mm	Bi-mag-	7465 P	EN-STREET
NAAQ Standard	- 69	100	.55	ME		190	400	1			20	1
Average	14.5	185.7	14,1	26.4	1.06	25.4	21.7	(*)	1.10			
Afficiences	80,4	170,5	12.4	22.6	11.85	23.9	28.4	95	1.05	: •		-
Maderia	89.4	1962	14.8	32.4	1.20	32.3	36.5	3	1.20	26	(e)	-
19(10/2023)	89.4	191.6	14.8	-22.6	0.65	25.9	29,4	ND.	1,55	ND	ND	ND
16/10/2023	30.4	178.±	12/1	24,5	1.15	27.6	30.5	ND	1.10	ND	NO	ND
12/10/2023	HZA.	198.2	13.9	28.6	T00	26:3	28.4	ND	1.10	ND.	NO	ND
00/10/2023	80.8	192.6	146	32.4	1.20	32.3	36.5	ND	1.05	ND	ND.	ND
06/10:2023	85.4	182.5	138	26.4	1,025	28.8	30.9	ND	1,19	ND	NO	·ND
05/19/2003	183.7	1.76.3	148	23.9	1.10	11.2	34.3	ND	1.28	ND	80	WII
Test Promission - Date of Sampling -	(sam)	than't	(egar)	NO ₁ (cow')	(100)	(Opens)	SH, Gert's	turn)	(e)/m ²)	dwarf	26. (4)(67)	Hoof-

"Had of Report"

make California Oppins, Manus extreme (ther), old nave

Deputy Yechnical Manager

Authorised Signatory

The Result indicated above reter to the leaded stample and based test parameters only, and conservent of products as well-an inhered not explain.

Total faulth of our aboratory is limited to the strong amount.

This input shall not be appreciated which are not without entian increase of the laboratory.

This input shall not be appreciated which are in part without entian increase of the laboratory.

This imput shall not be used in any advantang media or as andescen in the court of the laboratory without prior without prior without prior without one week from the representation are properly after one week from the date of move of report univers aparathal.



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272, Phase-IV, Sec-57, HSIIDC, Kundli, Sonepat-131028 (Haryana) Ph.: 7882301442, 9250014551 Email: aalkundli@gmail.com

Website: www.aalkundli.com

TEST CERTIFICATE

Report No.

Page LoC1

Issued To:

Mo Indian Oil Corporation Limited

AAL ENV-20231103003, AAL ENV-20231107003.

Hefingrica Division) Parignet Naphthu Craylers. AAL ENV-20231110007, AAL ENV-20231117016, AAL ENV-20231121010, AAL ENV-20231124005. AAL ENV-20231128018, AAL ENV-20231201002

Pinipal (Haryana).

Date of Reportings

06/12/2023

Scople Description Work order Henti

Ambient Air Quality Manitoring

Sampling Methods

15:5182 (Part-14)-2000

Sampling Legation:

Punipa Refinely (Trials-D) Reaf of Administration Building

24:00 His Sampling Durwthon Sampling Dane By:

TEST RESULTS

Ten Parameters -> Hate of Sampling i	PMia Gentl	Pala Garan	SO ₂ (ages ²)	NO ₂ (agin')	(00 (ng/a/)	O ₃ ((a)'a')	NH ₂ (same)	Pb (cals/)	(kg/kr)	han's	No frame's	tropic's
03/10/2003	103.2	214.8	0.3	34:8	1,15	53.3	25.1	ND	1.05	ND	ND	303
00/11/2023	1413	252.2	14.8	23,9	1.00	30.4	22.6	ND	1.20	NO	ND	NO.
09/11/2023	1256	227.4	17.8	253	1,05	28.9	25.4	80	1.00	ND	ND :	80
10/11/2021	83.0	168.7	13.6	24.5	1.15	29,7	36,8	HI2	1.23	ND	ND	NO.
20/11/2023	80.0	100.6	14.5	22.8	1,20	23.9	32.4	ND	1.00	ND	ND	ND
23/(1/2021	85.7	155.2	12.8	24.4	0.95	32.3	29.7	ND	1.15	ND	ND	No.
27/11/0003	1983	121.5	30.3	23.8	1.05	30.1	27,6	ND	1.15	NTI	ND	340
30/11/2023	60.5	112.7	113	26.5	0.95	32.0	29.9	NO.	1,20	80	ND	N0
Maximum	142.3	252.1	14.8	265	1.20	33.5	32.4	7:0	1.25		-	-
Minimum	60.5	112,7	10.5	22,8	0.95	25.9	25.1		1.00			
Assenge	94.3	176.6	12.6	24.5	1,00	30.5	28,0	1	1.13	-		-
NAAQ Stanford	68	100	50	.60	1	100	438	1	3	- 6	200	-1
Yest Alethod	16/100/p-	10.400pc 10.200e	858H #0.100	0.300 0.300	10.1810	Harriston No. (1974)	10-100 10-100	manage.	10-10003/- 10-10003/-	0-000e	APLILLY: AM	10-1964 10-1964

End of Report

1. A A (2) Province Areginer As Queller Branched VIII-11 a Manager, 28 - Parameter Kiery, 1901 (at 10) 10, pages 1, Monte has 30 (1) 12 ages 1, Arming the Box 1 of ages 2. Monte has 30 (1) 12 ages 2, Arming the Box 1 of ages 2. Monte has 10 ages 2.

TOSH SRIVASTAVA Gepoly Technical Manager Authorised Signatory

The Beaut indicated access refer to the factor surrais and total surraisments only, endocument of products to certifier interest and exposed.

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Website: www.aalkundli.com

TEST CERTIFICATE

Istant Tax My Indian Gil Corporation Limited

(Ruffereles Divinion) Panipar Naphthii Cracker. Report No.

AAL ENV-20231203028, AAL ENV-20231300001, AAL ENV-20211212008, AAL ENV-20211213011, AAL ENV-20231215011, AAL ENV-20231222913, AAL ENV-30231226038, AAL ENV-20231229001

Panipat (Hazyana) Date of Reporting:

03/01/2024

Ambient Air Quality Manitoring

Sampling Methods

15:5182 (Pan-14)-2000

Sample Description: Work under Bung Sampling Location:

Paupar Rollingy (Table-D) Reaf of Administration finishing.

Sampling Durations 24 500 Hz Sampling Dane By: AAL

TEST RESULTS

Test Personaters + Date of Sungilings	PM ₁₂ Gara's	PNG (upp)	360 ₃ (sero/)	NO ₁ (rule)	(mphi)	600	(upm')	(spri)	Carty teamen	As (nain')	Ni Ingmit	Black Gum T
64/12/2023	623	172.5	10:4	22.5	0.80	30,2	280	Nb	1.15	NO	ND	ND
67/13/2023	703	160.7	113	70.9	1.00	28,2	23.8	ND	1.00	NO:	ND	NO
(1/12/202)	:05A	176.9	10:9	24.7	L15	26.9	23.4	ND	1.20	KO	ND	1810
14)12(2023	107.4	192.7	.12.4	27.3	1.20	30.5	27.6	NO	1.15	NO	2403	340
16 13 3023	59.5	158.2	10.2	214	1.03	27.1	25.8	NO.	128	310	ND	340
21/12/2023	32.9	179.6	12.2	26.9	1.15	29.4	32.9	ND	1.15	ND	MD	MD
28/12/2023	100.7	163.8	1008	22.8	0.95	27,9	22.7	ND	1.15	NO	ND	NO.
Masimum	82.4	182.7	13.4	27.3	1.20	30.5	32.9	17	1.20	-		+
Memore	59.5	158.2	10-2	203	0.00	26,0	21.7	3	1,00			**
Average	71,0	171.6	11.2	24.3	1.00	28.6	26.7		1.1			4
NAAQ Standard	40	100	51	100	1	104	430	1/	- 5	- 6	200	1
Trut Matterd	65-50 High 37-3909	th title.	(5-5-0) (5-6-00)	Bestille. Beams	MARION Meditor	BHAN BHAN	10-518529	12.51311F1 T31-2100	10-11452- 10-1016	16,7030gF 016,0004	AALAGO	(HAMISTON)

"End of Report"

e Calabra Dagon', South supress (Bar) - 4 Source

DEH SRIVASTAVA Deputy Technical Manager

Authorised Signatory

The Result Midstales above mine to the hered sample and listed had parameters only, and drawness of products is welfare ordered not amplied. Take held by of car leboratory is immed to the enroce encount. The report shall not be reproduced which or in an attribute written common in the industry.

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TEST CERTIFICATE

Page Fell 5

AAL ENVIRONMENT OF

based To

Mrs fadian Oil Corporation Limited

Refrictio Division)

Particut Naphrha Cracker. Partitud Ottorylend)

Sangle Description: Formuling Methods

Stack Emission 15/1/255

Wark order Irea:

Permat Reduce & PX-PTA (Table-E-& Mi

Dany of Bearinings

Heport No.

26/17/2001 26/02/2023

Dam of Sturting: flow of Completions 07/98/2023

flate of Reportings.

01/00/2023

Sompling Done Hy:

AAL

STACK DETAILS

R/N	Date of Storpforz	Detail of Stock	Andoest Trougs (*C)	Stack Temps (*C)	Stark Div.	Small (Reight (m)	Fine Gas Vehicity (m/ssc)
16	15-07-2023	ECRU KHT	34	212	134	60	9.316
2	11/07/2023	CCSU NUTT Nesser-FF 251	28	245	2.34	70	9.10
3	11.07.2023	CCSD STOT Figure SF 285	P. 96	267	134	76	10,19
4	19-67-2027	OSICU-LP Sagros	-11	1/12	2A2	60:	£84
2	14-19-2009	ORCURUS Name	*	210	2.42	0	1535
4.	1140/2821	RFCC-CO Batter	35	172	23	67	1635

TEST RESULT

S.W	Sampling	Dated of Starks	Pares Martin	ohin PN0	Baign	(SOL)	ide	Odds	el Nim (NOv)	12111		n Manz (se CO)	aide		E Vana	
	10.7	United	regitter"	harte	nghar	No.	1611	marker	blue	Apriler.	ag Nor	time	phys	author.	F\$41	Ng Se
Œ.	31457,0433	CONUNIT House CY (0)	11	0.00	83	1.07	0.72	101	34.78	444	DA.	18,72	0.32	343	7	=
5	enemakin	CONTRACT HISMAFF 30:		0,60	10	F-04	0.89	103	10.10	100	-SLE	931	100	809	3	
1	1940/021	CONUNSTR Humo FF Jon	92	1.17	12	322	0.65	1014	May	9,61	36.3	30.14	Lift	(0)	+	-
	19-17-2023	ORCU-LP Some	6.6	6,57	tale	144	1.12	739.0	19.50	11.25	15.9	11.0	1.61	1907		
٢	(9409-2020)	OnCO-RG Brown	7.5.	8.77	0.9%	5-94 T	1,16	23).6.	99/20h	15.00	14.7	(139	1.43	903	1	
*	14.09/2002	escuco finis	44	11.77	12-5	134	1.55	1981	3137	19742	3157	W) (k)	3.45	PCD		1 - 1
Free	resulte turin	4104	1	Ú		30			350			150			-	
1110	agitar)	liquid		4		1700			430			200			1	
		PCCU				+			+			400			-	

ASHUTOSH SRIVASTAVA Deputy Technical Menager

Authorised Signatory

The Feault introduct above into to the second appropriate lest parameters only entire second if product is meltion orbitally of our apporatory is implied to the execute amount.

This report shall not be regardance about the execute amount.

This report shall not be used in any amount sing meltion as entired in the sound of the latter shall provide a constraint of the second of line without poor entire identified and the shall be destroyed after any contribute production and the description and the description and the description and the description of the sound of second orbital poor each form the case of second orbital appointment.



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TEST CERTIFICATE

Page 2 of 5

bound To:

M's Instan CB Corporation Limited

Distinction Dynamics

Poopal Nightha Chicker, Paragot (Maryana)

Stough Description Sampling Methods

Stock Counties

Wreck seder Princi

W-11281

Pampat Refinery & PK-PTA (Table & A.M)

Report No. AAL ENV-20230721009

Date of Bernieleg:

310/07/2023

Date of Stormage

26/09/2023

Date of Campbrillon Date of Reporting:

01/08/2023 01/08/2023

Sampling Dame By: AAL

STACK BETAILS

QPL	Dany of Musphing	Detail at Stark	Arthiest Feng. (°C)	Strek Temp.	Stark Din (m)	Statk Height (m)	Flor Cas Velocity (moon)
7	17-07-2013	DRDT-H-H	34	20	1.8	W/	928
*	17-01-2025	DHDT-H-02	33	240	1.8	70	9.00
Đ.	11/01/2023	MSQ Proprio 2020-0-201	- 10	256	1.64	60	9.75
10	11407-2023	3040 Printe ()-363-44-365	21	205	1.64	66	9.56
11	25475-2603	DHDC-05 V1 (New)	34	164	7.8	70	9.34
17	18-17-2003	HZU-UN W (New)	33	138	3.0	59.7	(8)

TEST RESIDE

NA.	Date of Sampley	Detail of Stack 1	Matte	odate r (PM)	Selp	(NG ₁)	nide .	Out	(NOx)	ena:	Cart	ins Man		Netst	a Van	
	Const.	Unito	HATTIET.	1970	AND AND	The	MACH	terior	ton	66%	righter.	3817	light	HARRY	8811	heltr
.7	13-613025	THETT-THE	4.5	9.51	35.0	4 00	0.54	142.1	0129	4.65	32	3.56	0.15	80	-	-
8	(746)-(80)	060151140	40	0.23	12.4	434	0.51	1316	67.40	6.41	4.6	120	631	1123	-	-
9	17-07-2020	950 hox 6-30-8-26	4.6	9.21	283	211	0.63	100.7	12.93	4.0	18.5	34,16	6.75	Н5	*	E
10	1747-2021	MAQ Prime G-303-El-281	+3	#21	21.8	530	0.91	FIK#	57,86	101	7143	1736	6960	165		-
11	35405000	DRIDT-BS VI	4.5	0.54	11,5	2.98	0.38	163	70.75	1,25	1.5	0.0	1(4)	Nt2	-	
15	16 (19-2022)	HITH-BS VI (New)	4.9	0.77	1.7	3.61	1.68	100#	88.99	1941	12	8.55	1.59	Hits		7
	ministrative drawn	Elim	- 6	0		10	-		349			130				-
-7	topNo.3	Titpnid	- 10	0		1700			410			200			1	-
	1968	FCCU	-			-			-			400	_		27	-

ASHUTOSH SRIVASTAVA Daputy Technical Manager

Authorised Signatory

The Result Indicated above returns the sected sprayer and listed for parameters sally, evaporement of products to restly entered and regular

Into tapolity of our advisorous is finited to the annual emount.

The report shall not be implicated whilly or in part without withen consent of the importance.

The report shall not be used in any objectivity matter or as experience in the count of the importance within contract or the importance. The non-period article according to the laboratory of the importance of the laboratory of



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TEST CERTIFICATE

Next of 5

formal Tax

M's Indian Oil Corporation Linkert

(Rollienies Division)

Partition Nephrita Creature Plantipo (Haryane)

Seeiger Dearription: Sampling Stetholt

18:14255

Work order four.

Starte Emission

Pergur Welliamy & PX-STA (Table): # MIL

Report No. AAL ENV-2022/1726909

Bate of Receiving:

26/07/2023

Date of Starting:

26/07/2013

Darwid Completion: Date of Reporting:

HE/006/2023 0L:05/2023

Sampling Done By:

ETACK DETAILS

N.	Date of Sumpling	Theraid of Search	Ambiest Tamp.	Statis Temps (°C)	Stack Dia.	Stack Height (m)	Filter Cast Visioning (milled)
13	20 07 2m1	180641	111	174	3.3	68	0.65
14	27.65 3023	180mes	-10	- 146	3.3	70	6.08
H.	39-65-2023	HERRICA	- 101	152	33	30	1,74
10.	3147-2023	10150-01	34	137	75	96	5.01
(1)	3147-2023	Insons	34	100	22	70	10.01
(8)	36-(4-2023	CP99VI091	12	145	1.14	160	638
19	20-67-2113	CARATRA	:33	135	334	760	8777

DESTRESSELT.

N/N	Name of Name of Sec.	Detail of Stocks	Many	c(PM)	Sidg	(NO ₁)	ride .	Od	de of Nitro	egres.	Cart	On Mon		Neket	& Van	
	hameson.	United	militar	19/14	rate	Stee	. table	Haffer	.2919	hgla -	1490	ppie	44	9654	4619	April
15	30-07-2023	10050-01	14	7.80	5.9	2.62	1.30	246.4	119.00	46.53	/25:	1.00	0-8Y	Kb	=	
14	31-01-2023	11235-00	6.9	1,20	7.2	1.52	133	155.2	75.58	28.71	28	194	0.32	101	-	-
ij	21/05/2023	11830-01	- 6.1	1.25	2.4	284	1.54	1661	81.84	30.w	23	1.84	0.42	MS	7	
14	2140-3025	10000404	Tal	120	11	3.12	1.79	1853	8025	3633	2.7	216	5.33	INDS	Ξ	
(1)	31-07-2023	HR96-01	. 53	1.74	44	2.86	1.00	1912	71.86	38.71	2.9	2.0	4.57	ж	3	
18	16-07-2022	CPP- VOT-1	6.9	1.48	61	237	1.30	205 €	100.12	43.12	3.6	216	0.76	ND	-	4
10	25-07-2023	CPP- VHIS-3	37	1.35	13	2.56	137	224.7	109.65	42.13	3.4	2.72	80.0	MD	-	-
	ninible haim	Gas	- 1	0		50			350			170		_	-	-
	mpNm's	treate	10	20		1500.		_	450			2(4)		-	1	-
	NAME .	FCCI				-			-			400	-		-	-

ASHUTOSH SRIVASTAVA Doputy Technical Manager Authorised Signatory

The wood: Industrial above where the legacity sample and lates for parameters and, entergoment of products is neither advanced to both latesty of the legacity of the involve amount.
 This report shall not be represented which in a pure without entergoment of the laborators.
 The report of self-indicated in any advantage middle or as symptose or the sport of the without prior writers consent of the laborators.
 The report of self-indicated in advanced which are as symptose or the sport of the writers and the desired which the week from the case of legacy of laborators are sport or the contract of the c



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Hape 6 of 5

front Tel

N/r Indian Cit Corporation Limital

Refineries Dissains

Pletigal Naphillar Crocker. Freeigner (Thirdyland)

Sample Drugsiglion: Sampling Mexicals

Stack Entering

Work ander Bent.

15:11225.

Perips: Reflecty & PX-PEA (Table-L & M)

Report No. AAL DIVING STREET

Date of Receiving: Date of Stormage

20/07/2023 26/97/2019

Date of Completions Date of Reportings

01/01/2023 01/08/2023

Sampling Done He:

AAL.

STACK DETAILS

M/N	Elate of Sompoling	Tirtall of Story	Ambient Temp.	Stack Tong.	Start Dia.	Stark (Iright	Flue Ges Velectry
50	28-61-2023	CONTRACTOR-2	33	(63	3.34	110	0.04
11	1745-2001	MSQ Trime G-305-by- field	34	217	1.61	60	694
22	20-07-2001	(0040)	30	in.	3.64	104	9.44
25	11/07/2023	RECEIVABILITY	. M.	194	21	107	36/13
31	25407-2023	H50.96	32	355	3.4	40	87Y
H	25-07-3203	103(1.72	32	167	2.4	10	939

TYST RESULT

M/W	Date of Sampling	Octail of Stacks	Marrie	ration r (PM)		ther Dis (9O ₂)	mide	00	(NOx)	egen	Cus	ne Man		Nickel	A Van	
		NING-4	military.	44.0	169/2007	the	tyte	mghini	2011	444	signie"	1915	1410	ngriss	Dan	1 345
21	28.671.21123	Cheshir.	Ton	3.41	8.0	3.01	1.60	2264	110.25	42.17	43	3.6	6.84	300	100	-
11	11-01-2023	MSQ Prime G-301 H	4.7	€34	21.6	7.36	GRS	115,3	36.13	4.55	123	10	0.49	No	4	-
22	26-07-2003	120-02	8.2	1.07	W.B.	1.0	132	207.5	10101	33.28	3.6	141	0.90	160		-
E	11-03-2021	Broc Feed Heatu	AT.	N.64	13.4	*88	1.03	115.4	55.22	830	47	536	033	30		-
14	25-05-2823	HGD-16	7.2	1.00	7.8	1.00	1.64	137.8	47.10	26.71	12	4.16	100	165		
29	15-03-2023	HG0-37	.43	1.09	34	296	1,10	182,6	87.64	33.45	41	3.84	0.03	1di		-
	modele famin	Gas	7	0.		20		-	391			120	500			
- 17	NE/Yes	tiquist .	1.0	10.		1703			450		-	200	-	-	-	
	Total Control	FCCI								-		400		_	.2.	

ASHUTOSH SRIVAS IA. Deputy Technical Manager Authorised Signatory

The Result indicated above refer to the faster was period before parameters, gets, and a sement of procupt in certier inferred and implied final liability of our laboratory is limited to the evident waters conserved the advantage.

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Website: www.salkundli.com

TEST CERTIFICATE

Page 1 of 5

Min Indian Of Corporation Limited

(Reference Division)

Patrial Suphris Coulor,

Present Observation

Sample Description Stark Lincolns

Sampling Method:

Work order Breen

15/11/255

Proper Reficury & CN-PTA (Date-E-& Mr.

Report No. AAL PREVIOUS PROOF

Date of Reservings

Duty of Starting

3892000

Bute of Campicus;

26/01/2023 #L08/2023

Date of Reporting:

#1/08/2022

Sampling Door By:

AAL.

STACK DETAILS

SA	Duty of Knoping	Denall of Stock	Antifest Testy, (°C)	Sixek Temp.	Stara Din.	Stack Height	Flue Gas Veltucky
26	2540%-2023	HOUNTS	33	138	1.7	60.	130
#	24/(Talif)	AV0.61	10.00	TES	5.0	100	631
31	34-07-2023	AV1)/02	31	10	3.1	166	261
341	17/07/2023	HCL)	30	112	13	10	9.66
30	24-01-2029	DOMINION	34	145	4	10	5.69

TEST RESULT

9.5	Dair of Sampling	Stuck 2	Mutte	riffkite r (PSI)	1550	(80 _p)	tide	0.0	fir of Nitr (NOx)	tger	Carb	on Mon			A Vans	
		Unit-s	-Hir	hate	116/2000	(feets	tyte	Philip	Elec	No. or	Station in	House	light	49/74/	30.8	3484
36	23 03 2021	10001-0.000	7.8	0.43	0,4	3.29	0.52	362,4	49.81	3.61	5.6	4.48	5.6	ND	-	-
Đ	24-97-2023	AYLOU	6.1	2.52	7.6	246	2.81	124.4	69.67	86.13	4.2	336	42	HD		-
29	24-07-2823	AVU-03	5.4	2.10	12	2.06	3.33	100.9	110	42.99	33	301	3.8	300		-
29	1040-3001	HCU	5,0	0.10	2.8	2.73	0.29	127.8	62.28	80)	3.5	2.8	5.5	MD	-	-
10	34 (11.002)	Hone	7.8	Fit	142	3,00	2.23	142.5	6729	21.36	5.9	4.72	518	id)		-
	released to the state of	5000		D	300	38	1950	111	356			195		-	-	
	(reg/You')	Ngrd	- 11	6		4102			450			200			1	_
	Mark .	recu							-			400			-	

Bearing.

"End of Report"

Tox McGod - Partides Misser in PMTB 1773(F-1) 1985, Supplie Decode by SD) 11 1125 F-2; HSS, Control Disrugal on NO. 15 1125 F-2; Decode in No. 15 1125 F-2;

ASHUTOSH GRIVA Deputy Technical Manager

Authorised Signatory

The Besult industed above refer to the tested sample and taled set passenters only evaluatement of products is written inferred on impried to be facility of our lictorium; a limited to discretized and set facilities of the interest of the sample of the besult of the sample of the sample of the past of the sample of the sam



AN ISO 9001:2015, ISO 14001:2004, ISO 45001:2018 CERTIFIED LABORATORY

272, Phase-IV, Sec-57, HSIIDC, Kundli, Sonepat-131028 (Haryana) Ph.: 7082301442, 9250014551 Email: aalkundik@gmail.com Website: www.aalkundli.com

TEST CERTIFICATE

Fage 1 of 1 AAL ENV-20230725010

Inswell Tel

Mis Indian Oil Corporation Limited

(Refineries Division)

Panipat Norththa Cracker.

Panipat (Margarai)

Date of Receivings

26/07/2023

Date of Starting:

Egmrt No.

26/07/2023

Date of Completions

61/08/2023

Stack Emission

Date of Reporting:

01/08/2021

Sampling Methods

Sample Description:

15:11255

Wark seder there.

Pangin Retinery (Tuble-F)

Sampling Done By:

STACK DETAILS

N/N	Tion of Surpling	Detail of Stora	Anthour Frage (CC)	Stack Temp.	Stort: Din.	Stack Height (14)	Flue Gas Velocity (m/sec)
1	1W07/2823	BRUSE	72	100	10	20.0	9.54
2	19/07/2022	satistics.	.0	168	TIP.	70.0	9.39

TEST RESULT

568	Date of Sampling	Dent of fracks	Sub	(SO ₁)	kie	Oxid	(NOs)	fta	Cart	in Mun (ai CO)			tgra Sul (se H ₂ 5)	
		Unit-e	matter	jee:	3691	9400	-	hyte	regress.	(ppm)	No.	refrer*	ppm.	Nah
- 6	19/01/2023	10036	81	162	951	21.6	10.51	#2	tig	72.0	5.56	NO	NO	MD
2	1901000	30033	8.8	43	0.53	25.4	1237	3.1	4	75 %	1302	NO	Wh	10
	mustbee timber mg Sondi		-	M	5		350		7	180			15	

^{**} End of Report**

Total Militaria - Polyticar Chicago (no. 2003; 10. 1123 m) P.J. (1998), Chicago (Natiographica 2004; 15. 1122 s) P.P. (2008). Carriero Malamado (no. CO) (15. 152 % (1992), Tricologue Surphida (1910) (1. 1125 s) P.P. (1908).

ASHUTOSH SRIVASTA Deputy Technical Manager Authorised Signatory

The Regul indicated above refer to the topics compare and falled less personners only, encouragement of products in neither interest not implied.

This lightly of air laboratory is limited to the strong amount.

This report shall not be reported where or a cost effect written united of the laboratory.

The report shall not be reported where or a cost effect written united of the subcurry.

The report shall not be used in any education of each of the report of the without prior written common of the laboratory.

The cost period this complet received shall be destroyed after one engine and personally sample which be destroyed after one engine and personally sample that the destroyed after one engine and personally sample that the destroyed after one engine and personally sample which the destroyed after one engine and personally sample that the destroyed after one engine and personally sample that the destroyed after one engine and personally sample which the destroyed after one engine and personally sample after the destroyed after the engine and personally sample after the engine and personally sample after the engine and personally sample after the sample after the engine and personally sample and personally sample after the engine and personally sample and persona that of same of import unless specified.



AN ISO 9801:2015, ISO 14001:2015, ISO 45001:2018 CERTIFIED LABORATORY

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Website www.aaikundli.com

TEST CERTIFICATE

Page Left

AAL IDSV-20236825002 Report No.

lasued To:

Mis Indian Oil Corporation Limited

(Reflection Division)

Paninst Nephtha Cracket, Pacipal (Haryuna)

Stack Emission Sample Description:

Sampling Method:

Wack order Bent:

19.11253

Peripat Balinery (Table-F)

Date of Receiving:

25/08/2023

Date of Starting

25/08/2023

Date of Completion:

30/98/2503 30/38/2023

Date of Reporting:

Sampling Done By:

STACK DETAILS

d Samping	Datell of State	Ambient Temp.	Stack Temps (*C)	Stack Dea.	Owt	(m/sec)
(8/2003	880/-25	38	174	1.0	30.0	10.92
DE H033	8201.52		181	13.94	10.0	10.57
	08/2023 98/2023		7 /	08/2003	08/2003	(8/2003 SHU-25 13 10 13 no.6

TEST RESULT

SON.	Date of Sampling	Detail of Stack 4	Suit	phar Dhysi (SO ₂)	ide	Ould	e of Nave (NOs)	ges	Cert	(as CO)	ción	Nyare	igen Halp (as HaS)	disto
. 10	Detrellman	22.25	7.545		light	-000	ppen	higher	110000	491	Agle:	(Mg/Find)	in-	14th
		Unit-a	Milita.	Her			112761	110	85.C	65.4	6.00	ND	ND	ND
1	25/08/2023	3RE-26	24.6	26.1	5.39	24,3	13.84	1.76	****	1			Luci	
	10000	5-1000	100	- Second	1122	1000	13.99	1,90	19.7	71.8	6.18	ND	ND	ND
1	25/89/2021	100-27	83.7	203	3.78	18.5	13.49	100	130/	Contract	CENT		23500	nece
					3	1	124	-	-	150			-13	
	minutale limits (aug/Nacil)			ine		les b	350			1111				_

THE PERSON NAMED IN COLUMN NAMED IN

** End of Report**

Tur Medical - Sulphus Devrete (na 565) El 15233 PCE y 1983, Chaile of Weinger (na 965) 25 1725 (N-7)-2333. Carlon Mesicale (na CO) El 1370-1981, Hydrogre Sulphida (E) (S) 13 1125 (Puis 2005.

AVATEAVISE HEOTUVE Deputy Technical Manager

Authorised Signatory

1. The Reset recorded shows rains to the bodied servoir and sided and pertenders only, architecture of postucity is malled to the toronte around.
2. Total lightly of our licturality is instead to the toronte around.
3. This expect shall not be operationed whenly or in part without white content of the population.
4. This expect shall not be used to any adjections made or an evidence in the court of the winout programme content of the laboratory.
5. The consportance cargos received work by dustripped after one needs and personable sumple shall be associated one week from the date of local portunities appeared to the portunities appeared.



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272, Phase-IV, Sec-57, HSIIDC, Kundli, Sonepat-131028 (Haryana) Ph.: 7082301442, 9250014551 Email: aufkundli@gmail.com

Website: www.aalkundli.com

TEST CERTIFICATE

Fage 1 of 5

frought Tax

Min Indian Oil Corporation Limited

(Kelkurias liintuum)

Partyal Nepithir Crocker, Peripat (Higgans)

Sample Descriptions

Stock Endsden

Sempling Method:

Work ander lines:

19:11255

Parigo Refresy & PX-PTA (Yaple & & M)

Report No. AALENV-20230923045

Date of Becelving:

130000023

Bute of Starting:

23/09/2021

Date of Completion: Detruf Reportings

30/09/2023

30-09/2023

Sampling Dent By:

AAL

STACK DETAILS

N/N	Date of Sampling	Tresit of Stark	Architect Tamp.	Stock Temps (*G)	Starts Dis. (m)	Stack thright	Flat Gas Vetacity
X	15/19/25/03	CCRONIT Hotorition	34	200	1.24	10	(MARK)
2	13/09/2023	CONTINUE Hener FF 201	24	.236	134	-70	*51
2	17/9/2011	ECRU MIT Hung-IV 205	33	252	134	30	10.56
4	13/49/2023	OHCLI-LP Septley	H	173.	1.41	10	9.54
	12/07/2103	0000-00 runs	J4	20	341	10	10.59
6	13/09/2015	RPCC-CO Bullet	35	179	21	49	10.46

TEST HESSELT

My	Date of Sampling	Detail of Street	Mano	(134)	Sulpi	tor Dir (SO ₂)	side	Oxide	(NOx)	wges		ot Muus (as CO)	side		& Vana	
		United	agitar.	tite	tegition.	blos	kgite	mp/ley'	Hen	4350	ma/fier	Mai	2470	Re[No?	1611	Natu:
1	LE60/2023	CEAUMIT Shares IDI	16	9.31	10.3	314	0.42	(10)	#2,7%	68	\$1,51	17.25	11.89	NO	-	-
2	1395/2123	COLUMNS Fixer-F# 31s	0.7	0.18	-01	336	141	100.4	36.10	11.02	25.8	11100	ANE	ND.		
8	DiWSSS	CCIIII MITE Name IT 200	£A.	301	11	811	1.71	1913	5948	3634	22.4	12.61	E40	365		
1	1260/2021	CHCU-C# Section	7.6	0.00	18	3.61	10	1114	11.32	10,00	219	19.71	219	, KD		-
1	12/09/2021	GNCO MI Three	50	3.00	10.9	3.01	1.01	1543	93.64	13.30	17.4	11.00	1.86	ND		
	15/09/2023	fires-so finite	**	0.76	0.6	435	III	171.0	E1.30	1411	56,6	17,12	196	HD:		
	etodsk finiti	Gas	10			30	-	_	550			156			_	
(register)	liquid	10	0.		1700			450			200	_		-	
	and a	PECH	-			+			4			400		-	-	

SRIVASTAUA Deputy Technical Managor

Authorised Signatory

The Pennst research above rater to the recent strength and lighted that parameters only, understanded of products is maller inferred and amplied.

2. Total satisfy of our abbredomy is seried to the eventue product.

2. This record shall not be considered wholly or in packetfout written community the abbredomy.

3. The record shall not be considered wholly or in packetfout written community the abbredomy.

4. The record shall not be considered wholly or in packetfout written community the abbredomy.

5. The record of the considered wholly be destroyed when one record wholl are destroyed when one existing with packet and the destroyed when one record wholl he destroyed when one record wholl are the destroyed when the destroyed when one record wholl he destroyed when one record wholl are packet as a supplementary of the destroyed when one record wholl are the destroyed when the destroyed whe



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272, Phase-IV, Sec-57, HSHDC, Kundli, Sonepat-131028 (Haryana) Ph.: 7082301442, 9250014551 Email: aalkundli@gmail.com Website: www.aalkundli.com

TEST CERTIFICATE

AAI, ENV-20230803945

Journal Too.

Mrs Inilian Oil Corporation Limited

Olefination Division)

Parague Naphiha Cricket. Fongor (Haryana)

Sample Dearrigions

Shirk Emission

Sampling Melbert Work inder here

19111239

Puripe Relinery & PX-PTA (Dele-E & M)

Date of Receiving: Date of Morning)

Magners No.

23/09/2025

Date of Completions

23/09/2023

Date of Reporting:

30/09/2025 30/09/2025

Sampling Dear By:

AAL

STACK PETAILS

50V	Date of Sampling	Tretail of Stuck	Anticut Temp. (°C)	Stack Temp. (*C)	Steck Dia:	Stack Height (nd)	Flux Gas Velocity (m/set)
1	16/90/2023	DHDY-9541	30	247	1.8	10	9,12
1	16/06/2013	DHDT-H-02	34	241	7.8	70)	9.76
	11/06/2003	MNQ Princ G-301-H-201	34	262	1.64	40	14,38
10-	11/00/2023	MSIQ Prime t3-301-34-501	33	345	1.64	60	9.19
11	22/16/2023	DHOT-III VT (Now)	Э	- 156	13	70	9.46
12	22/06/2005	HGLUBS VI (NW)	. 34	168	3.4	38.7	3.59

TEST RESIDET

27	Sampling	Black4	22371	othte c(PAt)	Aulp	(SO ₁)	rida	Oni	(NOs)	vers	Carb	os Muse (as C(I))	AIGE.	Mickel (8	A Van	
		Sail-	after,	1951	of gra	Inn	14%	19/591	libet	16/17	197997	0010	N/F	mg/fret*	His	AAW
-7	16/16/2523	TANDT-H-Ht	4.5	9.10	1114	2.64	0.53	149.6	72.85	7.51	.43	531	9.29	MEI	+	-
	10000203	DH01-8-02	4.9	9:20	11.8	4.12	11.59	134.5	45.63	6.79	53	6.25	521	HD.		
7	Internal	MSQ Princ G-303-81-251	16	821	323	787	0.95	iikī	55.00	1.63	12.4	12.31	9.64	ND:	3	
18	Tunzan	MaQ Princ G-301-31-361	43	120	34.6	8.29	1.02	1278	62,31	133	16.7	13-03	951	RD	3	=
11	15/06/2015	(MO2-88-9)	6.7	027	Va-	3.47	0.59	152.4	74.26	8.93	1.7	6.98	9.51	10	2	F
1.2	STONESTON	Digitals VI Chews	4.6	1.01	10.4	243	214	166.3	50.81	25.52	4.9	5.51	1.43	MIN	-	-
	emoble (kurte)	Gas	1	0	_	:#1	-		350			110			-	
	(mg/Nm*)	tiquie:	- 19	00		1700			450			290			+	
	A11	FCCC				-						456				

Deputy Technical Manager

Authorised Signatory

The Result bedrand above refer to the tested complete of 14600 test parameters only indonsenent of products is made or Methot and Implied.

Total hability of our laboratory is families to the involce arrownt.

1. This report chall not be reportished whether in part althout without in the seminary.

1. This report shall not be used in any intentioning method or as exidence in the count of two without prior written compare of the seminary.

2. The conferentación wanger consiste data be desircyed after one much and participate sumpse shall be itselfinged after one was from the code of inspect oftens specified.



AN ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 CERTIFIED LABORATORY

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TEST CERTIFICATE

Name 3 of 5

Designed That

MA Indian Oil Corporation Limited

(Refineries Director) Fangut Sagnifia Counter

Parties Ottory and

Sample Devertpriors Sampling Method:

Stock Endador

West under Dens

65:11259

Pursue Bullingy & PX-FTA (Tuble-E. & M)

Report No. AAL INV-29210923945

Date of Receiving:

23/09/2003

Dair of Martings

20/09/2023

Date of Completions

Date of Reportings

TRAIN, SOLD 30/04/2023

Sampling Date By:

AAL

STACK DETAILS

N/N	Date of Sampling	Detail of Steels	Ambleot Temp.	Stock Temp. (°C)	Sinck Ola. (m)	Static Height (in)	Flux Gay Yelucity (m/cr)
tt.	3959/2021	HREEG-01	34	182	33	10.	16.69
H	57593021	1800-12	34	- 353	3.3	70	9.17
t¥.	20/10/2023	THISO-63	34	148	33	20	: 931
1±	2029/2027	FORSU-64"	33	146	1.1	70	9.52
19.	21/99/2023	EU/SC-41	38	19	3.3	70	611
TA.	25/49/2028	CPP-VOOP-3	H	181	3.54	100	10.11

TEST RESULT

SIN.	Outsiding Sumpling	Petell of Studial		nom r(m)		Aur Die (SO ₃)	ilde	Ou	(NOx)	ges		on Made (se CQ)		Nickel	& Van	
	-0-1	Late	Miles.	1914	replier	- lights	180	INC.	Pine.	Agric.	myread	rim.	44	re/or	Her	- Naffe
15	20109/2003	HUSQ-III	H.F.	1.70	2.4	3.59	138	228.6	116.22	30.07	3.2	2.56	0.67	NO.	+	-
14	56001023	1600042	- 24	132	3.0	273	1.60	163.4	9.9	33.47	2.6	2,04	8.53	70	31	
17	2000/1023	ARSO-U	1/2	1.59	0,5	18	180	165.5	89,61	34,11	29	2.12	0.60	160	+	
18	20/07/2025	HINGO H	53	1.18	8.1	2.83	1/4	rff(a	10.44	34.17	3.0	1/12	6,641	ND:	10	-
17	21/09/2013	DRALLes	6.3	121	72	2.52	1.41	104	101,33	30.84	3.6	2,72	847	NO		E
16	31/02/2323	CHY- Visit 3	4.9	1.41	68	3.38	1.45	205.7	100.16	43.16	27	276	8,5V	MI	0	,
	nouble builts	Gre	- 1	1		16			369	-		150	-	-		
	(mg/Nac')	Report	(3)	W.		1100			430			340			3	
	-	ECCU	- 4	-					- 4			495			-	

Deputy Technical Marysper

Authorised Signatory

The Rough inducted above rater to the tested sumple and lights had purewaters not, and unsersal of products is well as informed not explicit

2. Total MEMITY Of our infraterry is finited in the invace amount

3. This record seal but he reproduced wholly or in part whole amount concept of the tablerancy.

4. This report seal not be used in any exhibiting media or as executives in the court of low without year without concept of the introduced.

5. The non-outcomes surrous concept of the introduced or as the interest of the introduced or as the interest of the interes tate of insured report unions specified.



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TEST CERTIFICATE

Page 4 of 5:

Issued Too

M/s to the Oil Corporation Limited

(Reference Decision)

Panipat Naparke Cracker. Heripa (Parjone)

Sample Description: Sampling Methods

CHICAN

Work under Here

Starte Cerission.

Parson Buffarry & FX-PTA (Table-E & M)

Report No. AAL ENV-20230921045

Drate of Receivings Date of Storing:

23/09/2023 ZAMEQUO:

Danist Congletion them of Repurings

31/09/2823 30/03/2023

Sampling Boor fly:

AAL

STACK ESTAILS:

L.N.	Dete of Sampling	Dentil of fitack	Ambient Temp. (°C)	State Temp. (°C)	Stork Die.	Stack Height (m)	Flur Gas Velocity
NP.	(1/49001)	Didsint	34	228	1,25	60	10.32
77	11/98/2022	MIQ Panie Q-311-III- IIII	н	_201	1,54	100	1031
25	10002025	D0-62	34	162	3.04	160	0.92
22.	13/0/2022	RECC Feet Please	35	188	13	67	19:25
23	(MANA)ES	EXXI 1-76	34	193	14	60	9.71
24	(8/98/2023	nanar.	-34	172	3.1	99	1924

TEST RESULT

10%	Dates I. Sampling	Detail of Steeks	Mente	cutate cursts		(50 ₀)	aide:	Oxi	de al Nitr	eggs)	Carte	(as CO)		Pilitad	A Vari	
100		THEA	0405÷7	: high	mg/mil	-Bin	14/10	94,115	Me	tore	TIN Time	men.	14/14	PROTECT	Hum	499
14	Fe/Heighten	THESE.	4.0	0.10	7.5	2.62	9.20	tis	41.88	2.23	73	148	108	160		
20:	11/09/2023	MSQ Posts G-201-41 103	45	0.22	18.4	6.61	0.85	1100	\$2.77	5,19	10.4	8.52	9,48	900	2	
21.	25/80/2011	3311-02	7,8	1,29	10.3	3.61	1.70	221.4	308.82	36,93	6.2	456	1.03	ND	-	
27	1391/203	RF,C fund	7,8	1.11	131	4.23	2.04	10%	55.26	20.16	53	431	13.89	NO.	-	
74.	16000003	HG15-76	E-9	1.77	W.2	122	1.94	143 A	60.93	30.53	4.5	3.02	8.97	100	7	-
34.	490N/X03	1600-27	0.9	2.14	6.6	234	1.48	1323	14.16	33.25	0	3.4	0.94	HD:		-
	elastini inglia	Cas	- 1	a .		50			150	-		130	-			
- "	(mg/Nm ²)	Equid	- 10	0.		1700			430			200		-	1	-
(100)		FCC1				*			12	_		403	-		-	

little OSH SRIVASTAVA

Deputy Fachnical Manager Authorised Signatory

1. The Result indicated above refer to the tooled sumple and listed non-parameters why, endonement of products in leather internal out implies.
2. Total landing of the lationator, is limited to the invoice arresal.
3. This record shall not be reproduced wholly or in part without written consent of the submitting.
4. This record shall not be useful in any advertising media or as excellence in the nount of law without print eviden consent of the boundary.
5. The non-particulates cample increased after be destroyed after one should and parentalize sumple shall be destroyed after one week from the tiete of hour of report of tees, specified.



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272, Phase-IV, Sec-57, HSIIDC, Kundil, Sonepat-131028 (Harvana) Ph.: 7082301442, 9250014551 Email: aalkundli@gmail.com Website : www.salkundli.com

TEST CERTIFICATE

Page 5 of 5

Issuel Tax

M's Indian Oil Consuming Limited

(Rationeiro Division) funious Hayridia Credies.

Product (Marying) Stark Emission

Sample Description: Storating Marked: Work order from

15:11235

Pampat Baltanry & P.S. (TA) (Table & & M)

Report No. AUG. ENV-29030923045

Date of Baccislage 23/09/2023 Date of Starting: 23/09/2023

Deteni Completion 3009/0023 Detty of Reporting: MORNORDE Sampling Book By: AAL

STACK DETAILS

S/N	State of Sampling	Dend of Stack	Ambieut Teorp.	Stork Temp. (°C)	Static Dia.	Stack Height (rs)	Plur Cas Velicity (m/ms)
25	TAXOUTHERA	HOUSE	34	142	1.7	60	4.89
26	(TANKED	AVUoi	31	129	2.1	166	7.85
27	14(0020)	AVILLO	33	136	5.1	100	7.85
ik.	19706/2013	HOU	34	158	1.3	- 79	9.29
24	31400/23	DCI/ Hant	- 15	165	3	20	8.81

TESTREMAT

N/N	Date of Sampling	Detail of Stacks	ki Mamoritati (SOA)		Oss	de of Nits (NOv)		Carti	on Affan dae C.O.		Michel.	& Van				
	o unaces est	Unit+	naver:	refr.	market.	1884	- tyle	nelle	2914	diele	agtiv-	the	Nate	mgHist	40141	199
25	1909/2015	HIGG-PIW	8.7	0.13	7.2	2:52	0.61	118.7	57.12	6.71	4.3	2.44	0.21	303	HIDM	10
20.	()/00/2013	AVU-III	7.8	3.28	Li	2.91	331	132.4	44.49	35.3E	4.9	3.84	2.01	100		
27	1449/0025	APLIZE	23	Lin	9.3	3.25	3,51	114,3	/55/71	46.50	32	236	1.31	HD	-	
24	1401/0023	THE STATE OF	6.0	0.19	43	5,11	0.27	132.3	64.66	3.67	43	344	0.23	16		
29	2210(5)23	DCU Histor	5.3	0.92	13.6	4.70	2.11	147.4	71.10	22:92	3.1	4.01	0.70	80	-	-
	new his final to	Gra	- 1	1	~	50	17.0		720			130	-	-	-	_
	(sq/No')	liquid	.10	6:		1700			450			200	_	_	-	
		FCCI				+			-	_		410	-	-	-	_

**End of Report"

Tes Melost - Paccadas Mens na Pat IS 11711 Pet-1887, Suplar Resident Story in 17286/A25-1885, Data of Mengal (at MOLITATION Packada).
Conses Minimized (at MOLITATION INC., Make & Persident USDPA, Metad 20 by AAS

OBH BRIVASTAVA Deputy Technical Manager

Authorised Signatory

The Result by Status shows rather to the second interprise and laded had parameters only, and conserved of prockets in realise infected not implied.

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Ph.: 7082301442, 9250014551 Email: asikundli@gmail.com

Website: www.askundli.com

TEST CERTIFICATE

Page 1 of 1.

Diversif Ton

M/v Indian Oil Corporation Limited

(fletnere Divines Partinst Napticha Cracker, Partinst (Harpana)

Sewight Description: Stack Emmslow

Steading Market Work widet from:

25:11235

Parqui Raffrage (Table-II)

Report No. AAL ENV-252389230m

23/04/2025

Date of Receiving: Date of Starting

23/69/2023

Dennief Completions

394992021

Date of Reportings

30/09/2023

Sampling Deer By:

AAL

STACK DETAILS

P.(4	Detrof Spraphing	Detail of York	Arthriti Jessp. (N)	frack Team.	Joseph Dea. (Jm)	Stack Height	Hor Gar Velicity Habital
10	TRONCHET	800-26	н	162	10	76.0	11.10
3.	266/202	31001	H	156	19	216	6637

TEST MENULT

N Date of Strongling		1 1	(IO)	100	Dut	(NO)	Str.	Cert	TON COLD			ogni flut (se Hys)	
	1986-4	4470	les.	tyle:	14/14	100	tele	400	***	iata '	Addist.	-	Ag4
(8/212)	1011-26	75.6	31.77	111	21.1	13.00	1.87	162	64.04	531	160	30	ND
МЭШ	MITH	24.5	3630	400	33.4	1421	221	MA.	64.73	538	30	100	163
le Rodin Hali			193			100	1	1	136			н	-
	e Della	N/2023 18(0-26 R/2023 18(0-0) N/2003	N/2023 18(1)-26 76.4 N/2023 18(1)-07 86.5 N/2023 18(1)-07 86.5 N/2023 18(1)-07	NASID 1803-26 76.4 11.97 NASIDI 1803-26 76.4 11.97 NASIDI 1803-26 76.4 11.97 NASIDI 1803-26 76.4 11.97	NASID NASIDA 76.4 11.97 6.12 NASIDI NASIDA 80.5 NASIDA 40.00 NASIDI NASIDA 80.5 NASIDI NASIDA 80.00	00223 1003-25 76.4 11.97 6.37 26.3 00223 100340 86.5 1070 6.00 103.4 003000 86.5	\$2223 \$20,026 \$76.4 \$11.97 \$22 \$26.5 \$1.00 \$22.21 \$20.00 \$22.21 \$		NASTED 1803-25 76.4 11.97 6.12 28.3 13.88 187 182.2 183.2	\$2223 \$60.25 \$76.4 \$11.97 \$22 \$23 \$1300 \$127 \$62 \$42.04 \$2223 \$90.107 \$65 \$270 \$600 \$23.4 \$42.27 \$223 \$90.9 \$42.27 \$2300 \$60.000 \$25 \$90. \$120	\$\$\text{\$\texitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{	Vall-1	

Tood of Report

State Denie in AC) II I (1994) Sprint One of the special boys in 1994 Property on the CA if 1994 Property Sprint (1994) Sprint (1994) Sprint (1994)

AD FORTH SPOVASTOWN

Authorised Signatory

The Result indicated above order to the second enterior and templates only enterior and of promote or order between our spiker.

The Result and the representation of the repres



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Website: www.aalkundli.com

TEST CERTIFICATE

Tree 8 of F

issued Tex

M/s Indian Oil Corporation Limited

(Reflueries Division)

Panipat Naphtha Crackey,

Printput (Haryana)

Sample Description: Stack Emission

Sampling Methods IS:11255

Wark seder Book

Pangus Heffnery (Tuble-F)

Report No.

AAL 6NV-26231078039

Date of Receiving:

18/10/2023

Date of Startings

10/10/2023

Date of Completion:

23/10/2023

Date of Reportings

23/10/2023

Sampling Danc Byt.

STACK DETAILS

see	Blade of Nampling	Dernill 67 Starts	Ambien Teaus: (*C)	Stack Temp.	Stack Dis.	Stock Hyight (m)	Fire Gas Videoity (mose)
T	17/10/2023	S211-2A	39	159	1.9	70.0	18.56
1	15-10/2503	VMILS+	-8.	19	1.9	70-0	18.49

TEST RESULT

N/W:	Date of Sumpling	Detail of Stack-1	Nat	(NO.)	ide	Ould	e of Name (NO)0	ern	Carl	en Muso (ar CU)	30.00		ageu Sub (as NaS)	
		E+it→	*6700	gee	Agric 1	ny/Hari	the	145	eg/like*	rps.	hate	mghári	pe-	Talk
1	17/16/2023	3911-24	130.3	50.54	1641	30.7	14.55	2.11	72,9	38.32	5.01	ND	ND:	ND
F	17/10/2423	SRG-#1	1924	35.00	1104	34.5	(4.80	241	45.3	61.24	7,65	140	ian.	ND
	risobly limits mp/Next)	77.62		125			350		7	130			13	

""End of Report"

Ten Meltod – Segine Deneto (p. 90.) (s. 1779) 2.7) (527, Oude of Nicosov (n. 90.) (1. 1225) 7.7, 2021, Cartes Nicosov (n. Co. is 1.527) (1911, independent of the IEEE (S. 1123) 4-2021.

Deputy Technical Maidages

Authorised Signatory

Note: 1. The Boack indicated above oder to the feeded cample and interface parameters only, endomment of products is settler interest and implied.

2. Total basisty of our laboratory is instead as the evocal amount.

3. This report shall not be expected wholly or or part without notices convent of the indocuracy.

4. The report shall not be used in any interfaced mode or as evolence in the court of two without prior written convent of the laboratory.

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Website: www.aaikundli.com

TEST CERTIFICATE

Page 1 of 2

Invest To:

MA Indian DE Corporation Lietted

(Refractive Division)

Panipur Nophrius Crucium, Panipus (Haryana)

Studi Enision Sample Description:

Sampling Methods Work woller Steen:

15(1123)

Pacipus Sufficery & P.S.-PTA (Table-E & M)

Date of Bresistran Date of Starting)

22/11/2023 23/11/2023

Bate of Completion:

Report No. AAL ENV 20231122006

29/11/2022

Date of Reporting: Sampling Boor By: 20/11/2023 AAL

STACKDETAILS

SN.	Date of Sampling	Detail of Stark	Ambient Temp. ('C)	Stark Temp.	Stork Dis.	Stock Biright (m)	Flue Gas Velocity (mose)
T	09/11/2023	10050-01	27	158	33	63	9.50
1.	09/11/2023	VIII. CO	22	10	1.3	- 70	8.60
5	06/31/2822	HRSG-09	27	148	3.3	16	9-11
4	09/31/2022	10030-04	3 3 77 3 50	135	3.3	7.0	E-97
1	07/11/2029	HRSG-8f	27	136	3.3	76	9.31
E	03/51/2025	CFP.VFIP-3	77	135	334	100	9.18
7	07/10/2623	6.19-VHP-5	77	151	3.14	100	9.14
	000110003	1,8-01	27	165	104	100	9.29
9/	98/13/2023	MSQ 2010 (5-804-9-10)	26	223	1.64	40	8.97
10	GR11/2023	MAX Prime (\$-\$05-\$L)m	3.6	290	1.04	10	10.25

TEST RESULT

						-,0000	11.	77								
979	Date of Sampling	lictait of Smeki	Partie Butter		Sulp	phone (NOs)	ide	Ost	de of Stire (NOa)	3000	Carte	(as CO)	eide.	Nichall far	k Yana Ni 4. Y	
	EEE 26-11	Date	registed	19 hr	nghar	1979	10%	diges	Min	Agric	EMILIA,	Man	10%	146,44	thes	944
-	05710	HUSCOL	13	132	7.5	2.31	1.41	240.5	177.75	45.24	2.1	234	6.54	7401		-
2	(EUT) (NUT)	HESCHIT	111	131	14	2.66	1.42	363.3	8032	30.83	3.1	2.46	6.58	XD	-	r
3	0911/2003	wada.	2.3	1.41	4.6	3.00	1.39	138.9	77.40	3071	29	2.52	0.56	NU	4	-
4	69/11/905	lifto-si	7.5	1.36	A2	230	135	1613	88.46	25.63	32	234	0.63	ND :	77	F
51	00115025	NBd/II	-61	1.0	756	7.66	141	168.5	96.60	36,73	2.7	2.96	999	302	1.6	19
6	00/11/003	CHIVING	(3	100	9.2	231	3.00	2012	100.46	10.90	49	110	9.9e	50	(0)	
97	(01(10)03	CH-VIII-3	y.;	140	78.	210	30	1963	101.46	42.79	2.7	29)	0.78	500	. 0	-
	001110023	(in-r)	82	1.40	.81	3.19	1.40	210.4	102.48	3313	6.8	3.51	1,09	NO.	-	1
9	DM117023	MSQ Pyerr GORLH-101	4.3	0.18	34.9	0.00	4.75	124.5	60.79	458	166	11.88	9,51	167	1	
Į.	89/11/2023	MSQ (Vine G 203 H 201	43	994	31.6	2,00	1.14	1129	34.99	3.88	20.4	16.32	1.06	797		
Pri	ribidde limite	Gar		Ø.		10			320			138				
	(mg(Nar')	tigare	- 0	(8)		1700			410			200			8	
		eccu							- 4			479			+:	
		Street, Street														

SHUTOSH SRIVASTAW Deputy Technical Manager Authorised Signatury

Note: 1. The Result indicated above refer to the tested assign and heled for purcentum only, endougement of products is nother internal not implied.

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TEST CERTIFICATE

Mgs 2 of 2

Donald Tim

My Indian Of Corporation Limited

(Referries Division)

Puniput Naphtha Chicker, Ponipie (Floryuna)

Studi Enrissim Sample Description

Surquing Methods

15:51299

Work water Been

Peniper Refinery & PX-FTA (Table-E-& M)

Bennet No. AAL ENV-20131127006

Date of Receivings

22/11/2021

Date of Starting:

Own of Completion

22/11/2023 29/11/2022

Unit of Reporting:

29/11/2023

Sumpling Door By:

AAL.

STACKDETARA

W.	Dute of Sampling	Benall of Much	Andrent Temp.	Stack Temp. (PC)	Stark Dis.	Stack Height (m)	Fine Ges Velocity (m/sec)
11.	00/11/2023	MSQ (Vana: G-303-H-301	24	232	1.64	4.0	10.47
iI.	00/11/2025	DCU Hater	28	10		36	8:3V
Tă:	09/11/2021	DHDT-H-NI	34	330	1.8	19	10.11
4	09/31/2023	0001-0-11	28	245	1.8	70	9.70
15.5	09/11/2027	VARIAGE	77	136	5.1	1199	7.95
100	08/35/28/23	ecu	22	107	13	18	9.65
17.	17/11/2023	Hou-7e	27	157	1.2	66	8.88
19	17/11/2023	W00449		1/63	3.4	40	9.97
74	17/31/2021	HGU-ros	20	134	1.7	60	9.20
£) 1	18/11/2023	GHC0-Ad }E≥m	28.	204	2.02	63	10.07

TESTREMET

-	Sampling	Stetail of Steels	Partie Miches		Sulp	(90a)	ide	One	(NOs)	rges .	Carb	(as C(2)	iice		a Van ta N∈ de	
	, take tensors	Doi:	righter	1975	uligan	250	16,11	magne,	8440	lgftt	Mark.	line.	tatle	Marie.	Mrs	high
11	04/17/2025	MSQ Print D-XXX-FF-XXX	4.5	221	153	7.00	0.48	ime	29.88	5.41	M.T	HW	0.33	ND.	150	
12	WHERTS:	DCU (limit)	1.6	1,44	15.9	333	2.35	138.9	6763	23.20	6.3	4.66	1.118	ND:	100	
n'	W11003	Distriction	2.5	821	10.3	169	1.34	130.8	60.63	1.21	3.1	2.96	0.26	MD	F	7
11	00/17/2023	Bu01/11/02	13	021	.)69:	3.91	.8.54	152.4	66.49	0.59	4.3	2,44	0.21	NO .	1=	7
ii :	00/11/2023	AVU40	69	230	13.	200	2.11	112.7	54.99	4574	43	3.86	1.74	XD:	1	100
le:	W/1282	1925)	62	0.1%	(1)	20	1125	124.5	6531	4.00	39	512	3:12	ND:	17	7
12	17/11/2023	HOOTE	7.7	7.33	:28	2.78	1.86	142.3	69(3)	2879	3.3	9.79	LIT	5620	0	-
19	17/11/9102	no.ser	7.9	188	.43	2.17	1,35	172.6	8437	3617	2.7	4.34	1.11	ND	32	11
19	17/11/2023	HCT-AD1	7/4	0.40	19.0	247	0.45	96.1	46.51	522	5.9	472	9.30	MD	+	13
No.	(A/TESSES	OFET-EO States	9.3	naz.	163	5.17	1.47	137.6	64.39	15.44	33.9	11.17	141	907	2	
	dudite beds	Car:	- 0.0	4		30			331			170			-	
	HINGSHIP.	tiquisi	11	11		1700			450			200			1	
		ECCU				-						400				

ASHUTOSH SRIVAS (AV. Deputy Technical Manager Authorised Signatory

The Bosset Indicated upone after to the tested complex and betted test parameters only, experienced of products is settler indexed sed explain. Solar fielding of our indocessory is limited to the indicate parameters of the houseout of the houseout of the houseout of the indicate of the indicate of the indicate parameters of the could of the without paper written consent of the tapocatery. The not-period better indicate and destroyed of the could of the without paper written consent of the tapocatery. The not-period better indicate that it destroyed of the could be destroyed after one would not be period to the destroyed after one would not period to the destroyed after one hours in the period of the destroyed o



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Website: www.aalkundli.com

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(Sept.3 of 3

Brosel The

Sample Denriplian: Nampling Methods.

Work seiler liere.

My Indian Di Corporation Limited

Section in Division

Study Emission

45/11245

Puripe Nightha Cracker, Perigos Criaryana)

Pumpet Richney & PN-PTA (Table E & MI)

Date of Receivings

22/11/2023

Date of Starting: Date of Completions 22/11/2023 29/11/2023

their of Reporting:

20/11/2019

Soughag these By-

AAL

Report No. AAL INV-DIZALIZACE

STACK DUE AILS

N/N	Date of Scoupfing	Detail of North	Ambient Temp.	Stack Temp.	Stack Dia.	Stock Height (90)	Plus Gas Vetorita (m/sec)
21	(8/11/2023	OHCU-LIP Section	23	125	7.42	43	9.27
銋	18/91/2025	TO CC CO Baste	29	165	2.1	4.7	10.1%
7.7	(8/)1/2(2)	RECC Feel Hours	2)	199	2.1	17	9,74
24	26/11/2021	CURUNITI Bears PT 101	27	206	1.54	40	9.03
25	2001/7023	CONDINITIONS TO 201	27	230	234	10	1621
20	3M11/2833	CURU NET HEREFEF 201	2)	260	2.34	1.0	10.55
77.	20/11/2023	AVIAN	27	123	13.5	100	732
24	21/11/2023	DHDT-RS VI (Mrv.)	- 27	139	10	7.0	9.49
79	31/11/2023	HOURS VICTORIA	25	150	3.4	39.1	A 13
36	2011/2023	DEIDS Start	27	224	1.25	60	311,82

DEST. BESULT

20.00	Bate of Sampling	Detail of Stocks	Parile		Sulpi	ter Dies (SO _d)	ide	Osto	of Nitra (NOs)	gan .		(as CO)	cdr		de Van to Ni di	V)
	Martin .	Strit->	mg/state	14/50	HE/UI	His	April	Nation.	an	tg/k	runer.	im	la'e	afrim.	Am	Mile
4	10/11/2073	OBSULE Saction	7.4	0.71	79.3	4,37	126	1184	27.62	1232	20,3	1624	211	ND.	-	
12	revision)	Back at Co.	43	3.78	110	4.76	134	131.1	Y2.61	WD	110.4	67.25	10.02	ND.	+ 1	-
11	EMILIANO.	HECC Syes.	8.4	1184	12.7	8.11	-mar	1113	97.62	9283	4.5	3.32	0.32	ND	+.	-
24	39(1)30)	CCBU Self-	8.3	0.36	1.8.0	-330	0.35	1182	53.7A	4,43	143	10.90	0.08	NO:	+	
25	2011(302)	CCRO 467) Disant (T Did	8.3	11,79	9.1	3.18	0.80	11177	57.10	111,69	27.4	21.62	2AT	ND	+	
26	2611062	framericals	311	1079	HA.	2.04	11.75	117.0	79.00	10:m-	13.8	1424	3.03	30	*	-
17	MATHERE)	WARRED.	6.6	234	7.6	239	3.12	1689	57.92	9011	1980	3.81	2,01	50	11.	
29	21/11/003	DIRECT BE VI (New)	13	526	16.6	331	6.52	140.7	68,53	1.22	33	3.84	31.43	MB	15	1
29	25/11/2021	HUCKES VI	44	0.83	8.2	2.97	1.74	1843	= 80	2013	1.9	7.17	1.12	M		
70	SEVENDEZE	DODY Sees	33	818	62	2.87	0.23	1917	29.97	2.28	33	3.94	per.	sits		
	etsoble Parity	Ger:		0		50			336			150			7	-
	(aug/North	figural	16	00		1766			459			200				
		veev				4						400				

Tel: Marked - Parkinster Marked on PM) \$1 (1251)P-19 (185), heigher Disorde for 80); ES (1255)P-2; 1985, Oxfor of Storages in NO., 15 (1255)P-7; 2021, Carbon Marked for CU1 if 12210-1992, Nobel in Versalian (186PA Method 29 by AAS

ASHUTOSH SRIVASTAVA Deputy Technical Manager Authorised Signatory

Nate: 1. The Result indicated above rafer at the result across and taked test parameters arise amorphisms to produce in restree informal and large mail

This report shall not be regrodued wholly or by part without written current of the because of t



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Website: www.aalkundll.com

TEST CERTIFICATE

Page Laff L

bound Te:

Ma Indian Oil Corporation Limited

(Refinerins Division)

Panipa: Naphtha Crarker, Panipai (Haryana)

Stock Emission Sample Description:

19:11255 Sampling Methods

Work order Bung Peropa: Rathuery (Table-F) Report No. AAL ENV-20231124004

Date of Receiving: 24/11/2023

24/11/2023

Date of Starting

Date of Completion:

25V11/2003

Date of Reporting:

29/11/2023

Sampling Done By:

AAL

STACK DETAILS

200	Bate of Nemphon	Detail of Stack	Andreat Teng.	fork Temp. (°C)	Stack Din. (m)	Stuck Tirtytu (m)	Plue Gas Villarity (infree)
E	22/11/20123	HEU-W	26	175	1.9	70.07	10.67
2	25/11/2693	5803-85	24	170	1.9	76.8	16.55

TEST RESULT

WW.	Date of Storaging	Detail of Stark L	541	(200v)	lde:	Oute	(NQs)	fien.	Cart	(se CO)			igen Salj (an HijS)	
		Unit-a	15/Vall	10mm	fghr	48/9W	im.	Agter	water	ine	No	Huffilm?	\$199	hate
7.	23/19/0023	680/26	166.7	5131	19.38	34.3	16.80	242	76.8	61.44	5.38	NO	ND.	NB
+	23/11/2025	5m567	1613	36,42	1135	363	18.66	2.10	K1.5	45:20	1.15	MO	ND	ND
1000	nisible timin			33			350			150			15	

Dirto based by the bearing

** Ead of Report **

Test Market - Negoco Canada ya 500, 28 (1270-1-1-190), Onida of Negoco de 160, 25 (1250)(A-1-350), Da bin Marketik ya CC) E 1270-1900, Dadenger Sepkide (1-2416-1250)-452801,

TOSH SRIVASTA Deputy Technical Manager Authorised Signatory

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breast Tax

M/s Isdina Oil Corporation Limited

(litefluction Division)

Panipai Naphiba Crooker.

Finipit (Haryana)

Sample Description: Stuck Emission

Sampling Method: (St 1255)

Work order from:

Passpa Raimery (Libie-F)

Report No. AAL ENV-20231221003

Date of Maceiving:

21/12/2023

Date of Startings

21/12/2023

Date of Completion:

26/12/2023

Date of Reportings

35/13/2023

Sampling Danc By

STACK DETAILS

378	Distract Sampling	Dotail of State	Antheut Temp. (Ci)	Stock Temp. (*C)	Stack Dis.	Stack Hirtger (m)	Fire Gas Vetocity (review)
1	29120021	580426	-34	171	1.91	75/2	10.01
2	10/12/2021	MALEAY	21	170	1.0	70.0	1636

TEST RESULT

N/X	Samples.	fixture of Sheets	Sul	(liO _i)	ide	Orie	(NOs)	en.	Cart	ne Maso cu COs			agen Sal, (as M ₁ S)	
		Euro-e	righter.	100	Sight	same?	2800	Agte	14/10)	1944	Aple	mp/cm²	pa.	tarte
100	38/3/0003	WHI1-25	148.7	11.84	79.fe	12.3	20.60	3.04	72.3	57.6+	5.20	MU	ND	No
×	20/07/8/23	SHIFT-97	issa	34.10	10.17	80.5	1973	2.79	36.9	A) 32	5,29	140	ХĐ	50
	nissitric limita ing/Pench			505	3		380		X	150	Parel .	370	-13	

^{**}End of Reports

Tour Machinet - Sudgman Changlo (no. 90), (15.11 (2000) 2 (2005), Oracle of Branches (no. 900) (15.112850-75-2005), Contact Machinet (no. CCA) (15.1271-1497), No. Berger English (15.25-13.11225-9-45-2008).

Centry Technical Managin

Authorised Signatory

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Issued Tec	M5 Indian Oil Corporation Limited	Report No. A.A.L WQT	-2027021103#
300711111	(Refineties Divinion)	Date of Receiving:	15/07/2023
	Paripit Naphtha Craster, Paripit (Haryana)	Date of Starting:	11/07/2023
	3.44	Date of Completion:	17/07/2023
Sample Description:	Effluent Water Sample	Date of Reporting:	17/07/2023
Work order Item:	Parigot Relinery (Table-A)	Sample Quantity:	23.im
Sample Collection Date:	10/07/20/23	Sample Parking Candition:	Plantic Can
Simple IDs	ETP1- Guard Fund	Sample Collected Byt.	AAL

DATE OF THE PARTY.			
TEST	THE	201	T.T

		TEST RE	SULL		
S. No.	Test parameters	Unit	Reside	Permissible Limits as per CPCB Galdeline (Percess to Britise)	Testing Method
1	pit Value	100	8.34	6.0-8.3	19/3023(F-11)-1983
2	Oi & Omne	#g/1	2.3	5.0.Max	38 3625 (P-39)-2021
3	Biochemical Oxygen Demand	= 21	13.4	15 Mes.	15 3025(F-44)-1993
4	Clemical Design Demand (COD)	##1	87.6	125 Max.	19 3025(7-38)-2006
5	Total Suspended Solids	mgil	17.3	20 Mez.	IS 2025 (P-17)-1994
-	Phonels	ng1	6.29	0.35 No.	18/3025(7-43)-1992
7	Sulphide (se S)	mg/f	0.15	0.7 Max.	15 3025(7-29)-3986
18	Cyucav (us CN)	mp)	NDs-m	0.20 Mex.	IN 2025(P-27)-1986
97	Amountie (m N)	mp1	5,6	HMa.	(% 2025(7+74)-1988
10	Total Kjestate Mirogm (in K)	mp?	9.3	40 Max.	IN 2625(F-34)-1948
ta:		Pare	E-68	3.0 May.	IS 2025(P-21)-1988
12	Hexavation: Chrumnum (m Cr**)	ngt	ND:sum	0.1 Max.	15 302507-525-2003
13	Total Chearman (secCr)	mg/l	Milman	2,0 Max.	IN 3025(P-52)-2003
14	Lind(uxPh)	mg/l	NDesse	0.1 Man.	19 3025(9-47)-1994
. 15.	Movery (in Hg)	1750	Nilsanan	0.01 Mes	19.3025(1-485-1994
16	Zinu (ast Zn)	mg/l	9.17	5.0 Mm.	IS:30250P-497-1994
17	Nilder (us Nil)	mg/l	NDman	1.0 Mm.	IS 3025(F-54)+3603
198	Copper (as Cs.)	10/2/1	NDserver	1.0 Max.	85 3025(1142)-1992
19	Vinulian by V)	mg/l	ND:000	0.2 Mex.	APHA (23" Edition), 2017, 3111D
- 20	Dienzenz (sin C ₂ H ₀)	mg/i	Mikewin	0.1 Stat.	APHA (23 ⁴ Edition), 2017, 62000
-21	Duneo e-pyrene (DaP)	ngt.	Magazz	0.2 Mes.	APHA (20" Senion), 2017,
	(3- bat hoped 13-cheave last)	Ent of E	Керит ^а		ASHUTOSH SRIVASTAVA Department Blatishory

The Result indicated above reter to the Section across and faced less parameters only undersoned of products is matter informatives in the section of t



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beared Tue Mis Indian Oil Corporation Limited

(Refinerion Division) Panion Naphtha Cracker,

Parigut (Moryona)

Sample Description: Work weller House

Efficient Water Skieple Pariput Refinery (Table-A) 10/07/2023

Sample Collection Date:

CEP2 Goard Pond

Sample ID:

AAL WQT-26238771039 Report No. 11/09/2023

Date of Henovings Dais of Startings Date of Completion:

11/09/2023 17/07/2023 17/07/2023

Date of Reporting: Somple Quantity: Sample Parking Condition:

2 Line Plantic Can

Sample Collected By:

AAL.

		TEST III	ESTAT		
8. No.	Test parameters	Dan.	VIII V	Permissible Limits as per CPCB Guideline	Testing Method
	pHVshr		8.10	6.0 - 9.5	19 3025(P-13)-1983
2	Oil & Otmoc	mp1	2.0	5.0 Min.	19 3025 (F-39)-2021
8	Discremical Oxygen Demand (500)-2 km st IPCI	mpt	14.5	15 Man.	IS:3025(P-44)-1993
4	Cheerical Doygon Dennard (COO)	ma/t	90.0	125 Max.	15-3025(P-58)-2006
5	Total Euspended Solids	mgd	18.6	20 Max.	15 3825 (P-11)-1984
0	Fluench.	mg/2	0.23	0.35 Max.	IS-3025(P+43)-1992
37	Sulphide (to-S)	marif	0.37	0.5 Mex.	(5/30/25/P-25)-1986
83	Counde (as CN)	Vapre	Ntheam	0.20 Man.	IS 9025(P-27)-1986
9	Somethin to Ni	Tiget	5.4	15 Mas.	(5.3025(P-34)-1988
10	Tamil Kyckhali Nimogen (as N)	mud	10.7	40 Mais	15: 5025(8-34)-15004
7.00	95	None	2.64	3.0 Mm.	15-3025(P-313-1904)
302	Historian Cumium (is C?")	ret	Minn	0.3 Mes.	15-36(25(P-52)-2003
130	Total Chromium (as Cr)	mpt	NDases	2.0 Max.	15 3025(P-32)-2003
16	Leaf (187h)	rigit	Mileson	0.1 No.	18 3025(P-47)-1994
(13)	Memory (us Hg)	rog/t	ND _{24-men}	0.01 Max.	18 3025(1948)-1994
166	Zine (m Zh)	trg/l	0.22	5.0/ NAsx.	15 3005(P-49)-1994
12	Nicial (st.Ni)	Aug/I	Milwes	1.0 Mex.	15 30250*-543-2003
18	Copper tia Cui	figu	Militare	J.B.Max.	US-3025(P-42)-1992
19	Varadiem (as V)	mgd	Minus	6.2 Mex.	APHA (23" Edition), 2017,
26	Demons (in Calla)	rgit	HDares	0.1 Men.	AFHA (23* Edition), 2017,
21	Parico segrence (BaP)	ew/l	Nime	0.2 Mass.	ASHOTOGRAF Salaring 2017, Deputy Technical Manager
		"That of	Neport.		Authorised Signatory

The Result industed above refer to the tested sometic and held storp parameters only, enthropment of products in within inferred out engined from leading of our lateractory is finited to the monte amount.

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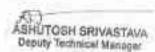
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lasued Tos	M/s Indian Oil Corporation Limited	Report No. AAL WIJT	-20230711107
11260 J. 100 J.	(Refinaries Division)	Date of Receiving:	11/97/2023
	Panipat Nophtha Criester, Panipat (Garyana)	Date of Starting:	11/07/2023
	Falled Min North	Date of Chargietions	17/07/2023
Sample Description:	Effluent Water Sample	Date of Steparting:	17/07/2023
Wark order Item:	PX-PTA (Table-1)	Sample Quantity:	2 Litre
Sample Collection Date:	10/07/2023	Sample Packing Condition:	Plante Cur
Sample ID:	PTA-ETP-3- Gazed Food	Sample Collected No.	8.60

		TESTER	SULY		
S. No.	Test paramaters	Unit	Results	Permissible Limits	Testing Method
1	pH Value	KREAL	7,96	63-83	IS 202507-11)-1983
- 2	Biochamical Osogon Demont	red.	11.5	30 Max	J5 3025(P-44)-1993
(30)	Phoo	Papin	0.14	/ blue	15 3022(0-43)-1992
14	Sulphide (as 5)	mg/t	0.12	2 Mas.	15 3025 P-29)-1986
4	Chresial Oxygen Denued (COD)	may!	73.0	250 Mas.	15 3025(P-58)-2006
	Cymide (at CN)	mg/t	NDscom	0.20 Max.	IN 3025(P-27)-1986
7	Fluoride (us F)	ng/t	1,12	5 Man.	APHA 23rd Ed. 45000 D
	Total Suspended Solids	trup?	14.0	100 Man	19 3025 (9-17)-1984
9	Hexavillant Chambium (in Cr*6)	rog/t	Nibuse	0.1 Mas.	18 3025(P-52)-2003
10	Total Chromium (so Cr)	mgt	NDesen.	2.0 May.	rs 3025(P-32)-2003
	40 He Desire DC-Opposite Des	444.4.4	AND THE RESERVE		





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Issued Tay	M/s Indian Oil Corporation Limited	Report No. AAL WO	r-20230823011
	(Refinerier Division)	Date of Receiving:	23/08/2023
	Panipat (Harvana)	Date of Starting:	23/08/2023
ALL CONTRACT DO	Was Continued to	Date of Completion:	28/08/2023
Sample Description:	Efflaent Water Sample	Date of Reportings	28008/2023
Work order Beng	Panipat Refinery (Tutile-A)	Sample Quantity:	2 Litre
Sample Collection Date:	23/08/2023	Sample Packing Conditions	Plintic Cap
Sample III:	ETPI: Guard Pond	Sample Collected By:	AAL

THE RES	CT II	COLUMN TO	T
4.50		10.00	

		1727.10	ESTITUTE.		
S.Na.	Test parameters	Unit	Resulta	Permissible Limit as per CPCB Guideline	
4:	p#//Yalen:	-	7.93	6.0 - 8.5	15:3025(P-11)-1983
-2	CGi Xt. Circusa	ing/l	2.6	±0 Mex.	18 3025 (11-39)-2021
3	Hindunical Oxygen Demmd 2000 - Harris 17C)	Tuger	12.0	15 Max.	IS 3025(9-44)-1993
14.	Constal Oxyger Demand (COD)	Inpt	28.0	125 bles.	18 3023(#-38)-2306
3	Total Suspended Solids	mg/t	35.0	20 Mass.	IN 3025 (P-17)-1984
h.	Hierola	mat	0.14	0.25 Mesc.	19 3025(P-43)-1992
7	Sulphide (in S)	mg/t	0.10	G.S. NOW	15:3025(P-29)-1986
8	Cyunide (sa CN)	mg/l	NDmon	0.20 Max.	IS 3025(P-27)-1986
9	Ammus (as N)	mg/l	3.6	15 Max.	18 3025(3-54)-1988
10	Total Kjeldeld Nitrogen (as N)	mg/3	16	4.0 Mirs.	151 3025(0-34)-1988
11	*	mg/t	1,27	3,0 Max.	15-3025(7-31)-1988
12	Heravolert Chromora (m/Cr*)	máň	KDiscom	U.I Man.	16 3025(P-52)-2000
13	fored Chromium (no Cr)	mpf	NDmax.	2.9 Mas.	18 3925(P-52)-2003
14	Lead (as Ph)	mad	MDpcom	O. I Max.	15 3025(P-47)-1994
15	Moreury (sir Hg)	1197	NDatares	0.01 Minu	(S-3005(P-48)-1998
16	Zinc (as Zn)	umin	0.14	5.0 Mac.	18 3025(7-49)-1994
EZ.	Nickel (as Ni)	mg/l	NDmon	1.0 Mag.	15 302501-141-2003
DE:	Copper (ea Cu)	mg/1	NDman	I.0 Marc.	19 3025(9-42)-1992
19	Vanadism (88 V)	mari	NDosem	0.2 Man.	APHA (23 th Edition), 2017,
20	fluxxxtr (as C _i H _e)	Pgm.	NDov-own	0.1 Max.	APHA (2)* (stitlers), 2025,
21	Bunan a-pyrena (Bal ^a)	mari	NDocum		42000 APTEA (23" Edition), 2017,
	The Day & Late and the State of	""Emi of I	Geport**		SHUTOSH SPANSTAVA Reputy Technical Manager Authorized Signatory

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AAL WQT-3023(92301)

M's Indian Oil Corporation Limited Issued To:

(Refineries Division) Paniput Naphriu Cracker.

Punipat (Haryana) Effluent Water Sample

Wark order flow Sample Collection Botel

Sample Description:

Pareput Refliery (Table-A) 23/88/2023

Sample 10:

ETP2- Grand Pond

23/09/2023 Date of Receiving. 23/08/2023 Dute of Startings 28/0102023 Date of Completion: 28/04/2023 Date of Reporting: 2-Litre Sample Quentity: Plantic Con-

Report Nu.

Sureple Packing Condition: Sample Collected By:

AAL

		TEST RES	ULT		
S. Na.	Test parumeters	Ceix	Results	Permissible Limits as per CPCB Guidetine	Testing Method
1	nH Value		8.02	(LO-8.5	15 3025(P-11)-1583
3	Oli At-Greek	mg/7	2.3	5.05tax	15:3025 (P-395-2021
3	Booksmind Dayger Demand	mg/l	13.4	15 Mio.	(\$ 1025(P-44)-(9)()
4	(100-2 ayes 270) Chanical Oxyger Demand (COD)	mg/l	83.0	125 Mas.	15 3025(0-58)-2006
	Total Suspended Solids	mari	17,0	20 Man.	15:3025 (P-17)-1984
0	Phrands	mgf	0.18	0.25 Max.	15 3025(F-43)+1992
100	Nujrkide (m S)	mgs	13.53	0.5 Ntm.	15 3025(7-29)-1986
E	Cuariste ins CN)	rom Pom	Milipane	9.20 Mas.	19-3021(P-27)-1986
0	Ammanis (88 N)	Tight	2.0	15 Mrs.	25:3025(P-34)-1988
100	Total Kickhalil Nimogen (88 N)	met	9.4	40 Mas.	18 3023(P+34)-F98A
-11	p.	mg/l	1.29	3.0 Max.	15: 3023(P-31)-1988
13	Henryshm Cheomium (se Cr**)	idel	NDecom	0.1 Mire.	15 3025(/~52)-2003
13	Trend Christmenals (as Cr)	War	Minan	20 Max	15 3025(P+52)-2003
14	Lossi (as Phi	man	NEADLAND	B.I.Mes.	IN 2025(P-47)-1994
22	Mercury in Hg)	mgil	NDan-sens	0.01 Max.	IS 2025(8-4R)-1994
16	Zim (w) Znii	mg/l	DIE	5.9 Mas.	15 7025(7-49)-1994
- 22	Nickel (as Ni)	Nen	Nillimen	1.0 Mes.	25 3025(7\54)-2000
17	Copper (se Ca)	Pept	NDmam	t@Max.	15 3025(P-42)-1990
48		mgd	Nilmon	0.2 Mus.	APHA (23 ¹² Edition), 2011
19	Variadism (n) V)	ngt	NDssain	0.1 Mirk	APSIA (23 rd Edition), 7011
21	Benzene (as C ₂ H ₂) Banzo n-pyrene (BaP)	Papel	NDayon	0.2 Max	6206B APMA (23" EUTION, 2011 SHUTOSH SRPERSTAVA
	Martin Dennis Market State (Section 1)	**End of	Report**		Deputy Technical Manager Authorised Signatory

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240 magain	Adams distribute sources of agent	Report No. AAL WQT	+20230823026
Insaed Fee	MA Indian Oil Corporation Limited (Reforms Division)	Date of Receivings	23/08/2029
	Panipat Nuphtha Cracker, Panipat (Harvasa)	Date of Starting:	23/00/2023
	Parities sering series	Date of Completion:	28/06/2033
Sample Description:	Effluent Water Sample	Date of Reportings	28/08/2022
Work order Rem:	PX-PTA (Table-1)	Sample Quantity:	2 Live
Sample Collection Date:	23/08/2023	Sample Packing Condition:	Planto Can
Sample ID:	PTA-ETP-3- Guard Pond	Sample Collected By:	AAL

	TEST BE	SULT		
Test parameters	tinit	Results	Permissible Limits	Testing Method
pH Votes	Y.	7.81	63-83	05 302509-113-1983
Biochemical Dayger Demund	mg/l	12.6	30 Max	15 3025(P-44)-1993
Phrnok	rig/T	0,17	I Max.	ES 3025(P-43)-1992
Nulphide (us 3)	mg/l	0.10	2 Max.	45 3025(P-29) 1986
Climical Oxygen Denate (COD)	mg/t	85.0	220 Max.	15.3025(P-58)-2006
Cyanide (as CN)	west.	Nimes	0.20 Mas.	35 3025(P-27)-1986
Phoride(av F)	eq.t	1.20	Status,	APHA 23hi Ed. 4500FD
Total Suspended Sellita	rogd	17.0	100 Max.	19 3025 (7-17)-1984

Mhaan

Miles

0.1 Max

2.6 Max

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mg/t

Pant

ASHUTOSH SRIVASTAVA Deputy Technical Manager Authorised Signatory

15/3025(P-52)-2003

15 3625(P-52)-2003

Nobr. 2

Heavyless Chromian his Cial

Total Chromium (as Cr)

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272. Phase-IV, Sec-57, HSIIDC, Kondii, Sorepat-131028 (Haryana) Ph.: 7082301442, 9250014551 Ernall: aalkundii@gmail.com Website : www.aalkundli.com

	TEST CERT	FICATE	Paper Lat 1
Second To	Mix Indian 60 Curporation Limited	Report No. AAL	WQT-20230911017
	(Reference Townson) Parapat Naghrha Cracium	Date of Benelving:	18/09/2023
	Parepor althoryomis	Date of biasting:	18/09/2023
12000000000000000000000000000000000000		Date of Completion:	23000000
Ampie Descriptions	Allhemi Water Sample	Date of Eigentains	23/09/2023
Work unfor from:	Pawjut fieliony (Ditta-A)	Sample Questity:	211m
Sample Collection Bene-	16/01/2023	Samula Problem Cardinies	Thursday Chan

Sample Cultotied Dyl.

AAL

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		MALE	ENULY		
N.No.	Тем ратануюю	Dele	Route	Perconsilide Lieuts as per CPCB Guideline	Terring Method
1	pit Virne		1.02	65-85	28 3023dF-\$15-1280
1	Of & Grane	ref	9.4	3.6 Mas.	15:3025 (P-35)-2021
O.	Biochmond Oxygen Diamed	rgt	13.6	15 Max.	Di 3025/P-449-1993
4	Charterst Origins Decreed (COO)	mgd	850	J25 NSW.	is 30250-159-2005
	Total Selected School	man.	17.5	2038as	89 3825 (8-17)-11988
19	Pleufe	mph :	0.17	0.55 Mm.	18 302509-CH12
7	Notice party	1907	6,34	0.5 Mo.	15 F025/D-25)-1981
1	Cycolle (in (N)	wigh	NOne	028 Mar.	15.10230/5271-1006
4	Aramatic (sc N)	mg/l	43	15140	15 3025(P-14)-1955
307	Total Quickell Mingre pa No	#g/l	0.5	40 Max	ES 3825(P-34)-1986
11	K	Cired	1.31	2010	£5.36250-325-1986
12	Response Coveries (at Cr*)	1167	Mourie	\$13.00m	19/19/25/25-2005
11	Tred Chemistrian (2)	east	NDanan.	2.05fec.	04 140307-023-2003
H	Lock (m Py)	1985	ND:meny	O-3 Titon	15 1625(9-47)-1994
11	Money ou Hai	mgit	NDones	0 01 Max.	19.1623(9-40)-1994
35	Ziscan Zini	mgil	0.29	2.0 May	73.7823/9-49-1951
II.	1944 (p. 94)	#g/l	Misser	L 0 Name.	18 (00) (54) (00)
11	Cirpor (or Co)	Hgit	Nilaman	E.O.Mini.	18 3020F-80-1902
19	Yandan (a-V)	mut:	360amani	0.2 Mars.	APPLA (22" Edition, 2013.
20	Finance (se CAL)	HAT	Minney	D.J. Trian.	APRIA UEP Edition 2017
ži	Form agents (HoP)	mg/l	Nilssen	9/2 Max.	Carry College Street
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ETPI- Good Food

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	TEST CERT	FICATE]	Page Luf I
limed In	Mix Indian Oil Corporation Lineau	Report No. ACL 3	OF SIZIONINIE
	(Refineres Division) Postor Nationa Cooker,	Date of Bearings	1849/2020
v=000====	Netric (Novem)	Date of Starting: Date of Completion:	21/09/2023
Sample Benryman	Effinat Water Sample	Date of Reportings	23/09/2023
Work under Breat Sometic Catherine Black	Partical Reflacy (Tables A) Individual	Sumple Quantity.	24.ise
Sample ID:	ETP2- Geard Fond	Sample Pecking Condition Semple Colleged (Se)	Floric Corp AAL

-	A THE PROPERTY OF THE PROPERTY			Souther Carriettes 1031	AAL.
		21816	ESPLT		
S.No.	Test parametrara	Unio	Heistle	Permissible Lieuts as per CPCB Gestebur	Testing Method
3	pit Value	-	7.96	0.0 = 0.2	08.002905.815-8900
2	Ola Seme	Date	2.6	LOMas.	TS 3023 (P-39)-0001
3	Brachmical Oxygen benned	mgrt	142	TF Mex.	TI 302509-443-1993
4	Chemical Ovegen Distance (COD)	mg/l	93.0	125 Miss.	12 2023(7-30)-2006
2	Tetal Seignstrof fields	ing/i	18.6	28 Mari.	15 10125 (0-17)-1014
0	Phosph	mg/l	11(22	0.05 hha.	85.3023(P-43)-199Z
1	Scholeneth	1981	0.17	11.5 Mar.	25 302501-293-1985
	Cyceride day CNVy	run.	Nilsanon	0.29 Max.	15 3025(7-27)-1986
W	Americally	Tare:	6.0	15300	TO 2022(05-24)-11928
100	Total Sheldald Names on N)	ngt	71.0	60 Mes.	10.3025(7-54)-1388
16		. Harris	164	3.03tm:	85 3025(P-Q1)-1998
12	November Chomismosc(C*)	nu1	Mileson	0.1 thm.	75 3025(P-52)-2003
13	Time Chemines (as Cir.	mit	Niluses	2.0 Mes.	19 300307-123-2003
H	Reservanting	June 1	NDistant	O.I.Mes.	15.3025(8-47)-1564
18	Memory to Tipi	mp/l	Nillianni	O OF Mac.	(8.9025)7-483-1004
115	Discouze)	mail	6.23	5.0 Min.	18 3025(F-40)-1994
12	Statianing	mgri	Miliano	LO Mes.	19.3025(9-54)-2003
a.	Chapter (in Cs)	wyt	Mileson	1.0 Mar.	25 3025(P-42)-1992
10	Vistalian (16 V)	rut	Nhames	02 Min	APRA (35" Ean-a. 2013.
20	The remain ($\operatorname{det} C_k(t_k)$	right	Milaneso	O.J.Mac.	33110 APHA (23" Edition 2017.
m	Batte Seymu (Ball)	High.	NDageroo	0.2 htm.	milk 22 20 10 10 10 10 10 10 10 10 10 10 10 10 10
		0-16	of Departer		Dendy Technical Manager Authorised Bignatory

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Page I of I

Issaul Tu	NI
	11.5

A Indian Oil Corporation Limited

(Refineries Division) Panipat Napiriha Cracker.

Parlipat (Haryson)

Sample Description: Work order live:

Sample Callection Date:

Effluent Water Sample PX-PTA (Table-1)

Sample 1D:

16/09/2023

Report No. AAL WQT-20230918008 Date of Receiving: 18/09/2021 Date of Starting 18/09/2023 Date of Completion: 23/09/2023 Date of Reporting: 23/89/2023 Sample Quantity: 2.Litre Sample Packing Condition: Photic Car

Sample Collected By:

AAL

4	PTA-ETP-3-Guero	Pend
		-

		TEST RESULT			
5. No.	Test parameters	Unit	Results	Permissible Limits	Testing Method
1	pl 1 Value	100	7.76	6.5 - 8.5	19/2025(2-11)-1983
2	Biochemical Oxygen Demand (1001-1 dayse 1901)	Piget	15.5	10 Max.	15 2025(11-44)-1993
1	Phonet	m//	0.21	1 Mex.	25 3025(P-L))-1992
*	Sulphide (as S)	mg/I	0.17	2 Max	15 3025(7-29)-1985
	Chemical Oxygen Demand (COD)	mg/I	93.0	230 Mes.	19 3025(P-58)-2006
	Cyamida (na Chi)	matt	Nihasan	9.29 Max.	15 3025(1427)-1986
7	Fluoride (no F)	Tigett	138	5 Marc	APPIA 23rd Ed. 4500013
	Tital Nespended Solida	ring/I	20.6	100 Max.	IS 3025 (P-17)-1984
9	Hestivation Chromium (as CP*)	mg/l	NDunsin	0.1 Mas.	IS 3025(P-52)-2003
10	Yotal Chromium (as Cr)	agti	NDenue	2.9Max.	IN 3025(P-52)-2003
	Michigan Carlotte Committee				

End of Report

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Sample 10:

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Sample Collected By:

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Page 1 of 1

AAL

Imued Tor	Mis Indian Oil Corporation Limited	Report No. AAL WOY	-20231017034
10,000	(Refineries Division)	Date of Receiving:	17/10/2021
	Panipie Naphtha Cracker Panipie (Haryana)	Date of Starting:	17/10/2023
		Date of Completions	23/19/2023
Sample Description:	Efficient Water Sample	Date of Reporting.	23/11/2023
Work order Item.	Provput Refinery (Tuble-A)	Sample Quantity:	2 Line
Sample Collection Date:	16/10/2023	Sample Purking Condition:	Playin Cer.

ETP1- Goard Pond

		TESTR	ESCLT		
5. No.	Test parameters	Unit	Results	Permissible Limits se per CPCB Guideline	Testing Method
. 1	pit Value		7.76	(finding (it Return) (c) - 4.5	IS 3025(P+11)-1983
2	Oil & Grease	mgit	2.2	5,0 Mm.	IS 3025 (P-35)-2021
7	Blackenical Oxygen Demand (BOD-3 decad 275)	my^{η}	12.9	15 Max	IS 3005(P-44)-(999
4	Chemical Oxygen Demont (COD)	760	78.0	125 Man.	18 3625(F-50)-2966
1	Total Suspended Sofish	mg/S	16.0	20 Mars.	15:3025 (P-17)-1984
6	Phonols	ring/T	0.13	11.33 Max.	18-3025(19-41)-1992
3.	Hislofride (un S)	Dank	0.14	0.5 Atex	15 3025(F-29)-1986
1	Cyanide (see CN)	regri	ND _{cm-tm}	0.20 htes	19 3023(P-27)-1996
3	Azunpala (ac N)	fum	3.6	15 Mars	15 7025(F-31)-1968
.10	Total Kjeldald Nitrojum (av Ni	mgf	8.6	40 Max.	ES 3025(P-34)-1988
11.		mpt	1.60	3.0 Max.	25 S025(F-31)-1988
12:	Hexarolest Chromism (a) (27%)	mg/I	MD man	U.I Mex.	is 2025(2~52)-2003
13	Total Chromium (us. Crs	mg/1	NDealer	2.0 Max.	15:3025(P-52)-2003
14	Lend (in Ph)	Eggs.	NDanam	0.7 Man.	15.3025(P-47)-1994
15	Menury (us Hg)	997	Montes	0.01 Mos.	15:3025(F=48)-1994
16	Zino (ux Zn)	mgil	0.16	5.0 Man.	15 302505-493-1994
17	Nickel (ser Ni)	Figure	Sthano	1.00 Maris.	35.3025(9-54)-2003
78	Ciaper (as Cirl)	mgil	NDates	1.0 Man.	15 3025(31-42)-1992
14	Variation (sa V)	ring/I	NDiscon	0.2 Mex.	APITA (21" Edition), 2017;
20	Henseen (as C ₄ H ₄)	my/J:	NOmeon	0.1 Man.	H11D APHA (23" Edition), 2017.
21	Banzo a-pyrenz (Bal ^a)	trg/l	NOmes	0.2.8tio.	Arity 11 Filmen 2017, 64100
Si.	The Mark Life Committee	**End of	Перыт**		Authorised Signatory

The Passal indicated above refer to the testion sample and listed her purposers may, entire extension of products as salt or information and entired

^{2.} Idea stability of our locamizer or in the service and repair and an parameter may, antitracement of products as pother informed not angle

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Sourd To: Mix Indian Oil Corporation Limited		Report No. AAL WQ1	20231017005
90000000000	(Refineries Division)	Date of Receiving:	17/10/2025
	Penigut Napinita Crucker, Penigut (Hervers)	Date of Startings	17/10/2023
	An instruction to the control of the	Date of Completion:	23/10/2023
Sumply Description:	Effluent Water Sample	Date of Reporting	23/10/2923
Work order Itiam	Paniput Refinery (TablesA)	Sample Quantitys	2 Line
Sample Callection Date:	16/16/2023	Sample Packing Conditions	Plastic Can
fiample IEE	ETP2- Goord Pand	Sample Collected By:	AAL

			-	
PES	2000	H IO	2010	 v

		YESTE	PARTY			
N. No.	Test parameters	Unit	Results	Permissible Limits as per CPCII Guideline Chicker Oldebrey	Testing Method	
1	při Valus		7.82	6.0-8.5	15 5625(F-11)-1940	
2	Oll & Grase	mgt	2.5	5.0 Max.	IS 3025 (P-30)-2021	
3	Biochemical Orogan Demand	mgd	13,7	15-Mm.	15 3025(P-44)-1993	
1	Charling Oxygon Benund (COD)	mgr)	38.0	125 Mar.	15/3025(3N:5H)=2006	
50	Tintal Sesponded Solids	mgri .	47.6	20 Stro.	28 3025 (P-17) 1984	
0.	Phenotic	mg/I	9.19	0.35 Max.	15/3025(7-43)-1592	
70	Sulphide (as 8)	mg/l	0.12	0.1 Mars.	15 3025(9-29)-1986	
	Cymide (in CN)	mg/l	NDmeson	0.20 Stax.	18 3025(9-27)-1945-	
97	Annunia (as N)	mg1	3.4	13 Mes.	15 3025(3-34)-1948	
10	Total Koeldehl Nimogea (co Ni)	mgil	900	40 Mes.	18/3025(2-34)-1988	
11		Pgti	1.52	3.0 Mes.	ES 3025(P-31)-1988	
12	Hexavulent Chronium (as Cr*)	mg/l	NDanen	Q. J. More.	85 3025(P-52)-2003	
13	Thrul Chramium (us-Cr)	mg/l	Nihara	Z.It Mex.	ES 3025(2-32)-2003	
14	Land (is Ph)	mg/l	SDann	0.1 Max.	05 3025(7-47)-1994	
1.5	Menuty too life!	med	MD40.cm	9.01 Max.	18.3025(7-48)-1994	
36	Zing (m Zn)	ngi	9.20	5.0 blue.	III 3025(F-49)-1994	
17	Netd (iii Ni)	mg1	Nillianan	1.0 Mex.	IS-3925(P-54)-3000	
18	Copper (as Ca)	mgit	ND:ss-em	L/0 Ntest.	IS 3025(P-42)-1992	
19	Variation (as V)	:068	Silliamone	0.2 Max.	APHA (23 th Edition), 2017.	
50	Ressers (as C ₄ H ₆)	rigit	ND _{suc-com}	0.1 Stor.	AFHA (23° Tohlori), 2017,	
31	Banso organics (Bull')	ingit	NUMBER	0.2 Stee.	ASHAPPA 123 Edition 2012	
1	#1 - #4 - William 14 - 15 - 15 - 15 - 15 - 15 - 15 - 15 -	*******	of Report**		Authorised Signatory	

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M's Indian Oil Corporation Limited	Report No. AAL WOT	-20231017051
(Refineries Division) Pasiput Naphtha Chucker,	Date of Borriving	17/10/2025
	Date of Starting:	17/10/2023
ACTION AND ADDRESS OF A STATE OF	Date of Completion:	23/10/2023
Effluent Water Sample	Date of Reporting:	23/10/2023
PX-PEA (Table-f)	Sample Quantity:	2 Litru
16/10/2023	Sample Packing Condition:	Plastic Can
PTA-ETP-3- Guard Pood	Sample Collected. By:	AAL
	Pasipat Naphtha Cracker, Puripat (Hayana) Effluent Worter Sample PN-PEA (Table-I) 16/10/2023	M's Indian Oil Corporation Limited (Refineres (Evision) Pasiput Napirin Unicles, Puriput (Hoyans) Efficient Worter Sample PX-PTA (Table-1) 16(10:022) Date of Starting: Date of Completion: Sample Quantity: Semple Quantity:

		TEST R	ESULT		
S.No. Ted	Ted parameters	Unit	Sterelis	Permissible Limits	Testing Method
1	pH Value	6101	7.82	6.5 - 8.5	15 3023(P-11)-1983
2	Bischemical Oxygen Demand (900 - 1 Age at 2755)	mgil	17.3	30 Mar.	15 3005(P-14)-1993
35	Phenil	mpt	0.18	J Max	15 3005(P-13)-1992
4	Sulphide (as S).	myt	0.19	2 Niex.	IN 3025(P-29)-1980
5	Chercical Unorgan Demand (COD)	mgd	90.0	250 Max.	19 3025(1-30)-2006
0	Cymids (e) CN)	mg/I	NDanaee	0.20 Max.	15 2025(P-27)-1986
7	Pluoride (aa.P)	mg/l	1.28	5 Nan.	APHA 23rd Cd. 4500FD
- 8	Total Responded Schile	$t_{\rm MW}$	24.0	100 Man.	IS 7025 (P-17)-1984
6)	Heraviden: Chronium (as Cr ⁴ 5)	mgri	NDenem	ft.I Mire.	15 3025(2-52)-2903
10	Total Chromium (as Cr)	mg/f	ND _{SN+R}	2.0 Mus.	LE 3825(P-52)-2002
	to the level Library Smithline	Para Service			

End of Report

SEH SRIVASTAVA Deputy Technical Munager Authorised Signatory

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Sample ID:

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Page 1 of 1

	2017 304 317 32	Report No. AA	1. WQT-20231111015
Inned To:	M/s Indian Oil Corporation Limited (Raffreetid Division) Pangui Nophtha Cricker, Pangui (Haryami)	Date of Starting:	11/13/2023 11/13/2023
		Date of Completion:	18/11/2023
Sample Description:	Efficient Water Sample	Date of Reporting:	18/11/2023
Work order ham:	Panipat Refinery (Table-A)	Sample Quantity:	2 f.im
Samply Collection Date:	10/11/2023	Sample Packing Confi	flort Plastic Can
Sample ID:	ETPI- Gord Pand	Sumple Collected By:	AAL

		TEST RESULT				
S.No.	Test parameters	Unit	Results	Permissible Units as per CPCB Guideline	200000000000000000000000000000000000000	
V.	pH Value		7,90	fix - 8.5	ES 3025(P-11)-1983	
2%	Oli Ar, Grease	mg/l	2.4	5.0 Mm.	19.3025 (P+39)-2021	
1	Blacherical Oxygen Demond	mgs	14.2	15 Mss.	IS 3025(P-44)-1993	
40	(2000-2-day at 22°C) Chemical Oxygen Demand (COO)	mgd	100,0	125 Max.	19 3025(P-3R)-2006	
2	Total Serpendud Solida	mgd	18.6	20 Mes.	15 3/025 (P-17)-1984	
0	Piccols	Pgm:	0.20	G-35 Max.	IS:3025(P-43)-1997	
2	Sulphide (see S)	.mg/l	0,17	0.5 Man.	15'3025(9-29)-1986	
11	Cymride (as CN)	=g1	34E\114.000	0.29 Mar.	ES-3023(7-27)-1986	
u.	Ammonia (ue N)	mg/l	5.3	15 Mayo	15 3025(P-34)-1981	
10	Total Kjeldald Ninegen (as N)	mpl	11.5	40 Mize.	IS 3023(P-34)-1988	
12		mart	1.56	3.0 Max.	19 3025(P-31)-1988	
12	Heat-state Chromium (as Or 1)	mg/t	NDazum	0.1 Man.	IS 3023(P-32)-2003	
13.	Total Chracium (as Cr)	mg/t	NOuncin	2.0 Max.	18 3025(P-52>2009	
14	Land (as Ph)	mg/1	NEWS	19.1 Mars.	IN 3825(P-47)-1994	
15	Morniny (ps-Hg)	mg/l	NDanes	9.91 Mas.	25 3025(P-48)-1994	
16	Zloc (as Zri)	seg/S	0.33	5.0 Max.	25 3025()*-49)-1994	
107	Nickel (m NI)	Your	Mileson	LO Max.	18 3025(P-54)-700E	
18	Corper (as-Ca)	mes	MDamaini	1.0 Mes.	18 3025(P-42)-1992	
19	Variation (us V)	- ngd	NDunana	0.2 Max.	APRA (23" Edition), 2017, 2111D	
20	Denocros (as Calla)	t/gru	SDonorm	0.7 Mior.	APHA (23 Edition), 2017, 6200H	
21	Banzu n-pyronii (954P)	Tight:	NDimon	0.2 Mos.	WALL SPILA P TORKIN 2017,	
D IV	Nominate Strontonian	**End of	Report**		SHUTOSH SRIVABTAVA Deputy Technical Managor Authorised Signatory	

The Result indicated access refer to the season comprisions below test parameters only, and occurrent of products in method replications and imprical.

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Page 1 of 1

Taxo	-8	Ψ.		
102.0	aru.		м.	

M's Indian Oil Corporation Limited

(Refineries Division).

Panigot Saginia Cracker,

Parajont (Horyana)

Sample Description: Work order hear

Effluent Water Sample Pariput Refinery (Table-A)

Sample Callection Date:

10/11/2023

Sample ID:

ETP2-Guard Pond

Report No.

AAL WQT-20231111096

Date of Receivings Date of Starting:

11/11/2023 11/11/2023

Date of Completion: Date of Reporting:

18711/2023 18/11/2023

Sample Quantity: Sample Packing Condition: 2 Litre Plastic Can

Sample Collected By:

AAL

		TESTRE	SULT		
S. No.	Test parameters	Unit	Results	Permissible Limits as per CPCB Guideline (Perma Cliffern)	Testing Method
1	pitVshe		7.73	6.0 - K.1	IS 1025(P-31)-1983
1	Chil & Gresox	mg/l	22	5.0 Max.	15 5025 (P-39)-2021
26	Bischemical Dayges Demand	Ngm	12.6	15 Max	15:3025(P-44)-1993
4	(300 - Lienas 27%) Chemical Oxygen Demand (COD)	Fuger	95.0	125 Man.	(S 3025(P-58)-2006
30	Time Sespended Solids	#10/T	16,4	20 Max	IS-3023 (P-17)-1584
6	Pirendi	ring/t	0.17	0.35 Max.	15 3025(9-43)-1992
*	Sulphide (as S)	mgd	0.16	0.5 Man.	15 3025(P-29)-1986
3	Cyanide (us CN)	mg/i	NDsaces	0.20 Max.	15 3025(P-27)-1986
0	Amesonia (in N)	mg/l	6.3	15 Mac.	18 3025(P-34)-198A
10	Total Kjelstals Nimogen (uz N)	mg/l	12.5	40 Min.	(5 3023(P-34)-1988
11	p.	221	1.36	3.0 Mas.	ES 3825(P-)11-1988
12	Heavylest Christian (as Qr ⁴⁴)	mg1	Miner	0.1 Marc.	IS 3023(P-52)-2003
18	Total Chromian (to Cr)	ng0	NDames	2.0 Max.	18 3025(P-32)-2003
11	Load (no Ph)	mg/l	NDLauren	0.1 bins.	III 3025(F-47)-1994
15	Moroucy (ssi Hg)	mg/l	NDanson	0.01 Max.	15 3(25;7-48)-1994
16	Zinc (at Zo)	mg/l	0:19	5.0 Mas.	IS 3825(P-48)-1994
17	Nickel (av Ni)	mg/l	NDanes	1.0 Mas.	IS 3025(9-54)-2003
18	Copper (as Cit)	Pages	NDosem	1.0 Max.	35 3025(9'-42]-1997
39	Vanadium (as V)	Pam	Miliameter	0.2 Max.	APHA (23 rd Edition), 2017, 3111D
29	Between (an Calla)	Page	NDun-9101	Q.1 Mar.	APHA (23" Edition), 2017, 62908
21	Banas o-pytons (DaP)	mgd.	ND(2044)	0.2 Mas.	ASHUTOSH SHIPASTAVA
	Contractor Control Control	**%.	d of Report**		Deputy Technical Manager Authorised Signatory

The Basut Indicated above refer to the tested currons and lated see parameters only, encoragners of products in neither inferred incl. emploid.

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Website: www.aalkundli.com

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22 C S C S C S C S C S C S C S C S C S C	Report Ne.	AAL WQT-20231111046	
(Moffineries Division)	Date of Sizesvings	11/11/2023	
	Date of Startlegs	11/11/2023	
Friedrich Christians	Date of Completion:	18/11/2023	
Effluent Water Sample	Date of Reporting:	18/11/2023	H
PX-PTA (Table-0	Sample Quantity:	2 Litry	
19/11/2023	Sample Packing Co.	adicioni Planic Con	6)
PYA-ETP-J- Guard Pand	Sample Collected B	ty: AAL	
	Parigot Nephtha Cracket, Portput (Horyson) Effuent Water Sample PX-PTA (Tuble-f) 10/11/2023	Mis Indian Oit Corporation Limited (Mafinaries Division) Paring Nighths Crarket, Paring Nighths Crarket, Paring (Hayway) Date of Completion Effluent Water Sample PX-PTA (Table) 10/17/2023 Sample Quantity:	Mile Indian Oil Corporation Limited

		TEST RE	NULT		
5. No.	Test personeters	tiult	Respits	Permissible Limits	Testing Method
1	piif Value	THA!	7.62	45-83	15 3025(P-11)-1983
2	Blochemical Orygen Demand	Tupm	1900	30 Mex.	18 3025(9-44)-1993
5	promission of the promise of the pro	mgG	0.23	1 Max.	15 3025(8-43)-1992
4	Sulphide (as S)	Pass	0.21	2 Max.	IS 3025(P+29)-1986
	Chamical Oxygen Demand (COO)	eng/L	104.0	330 Mes.	19 3025(P-58)-2006
	Cymine (no CN)	mari	NDusum	0:20 Max.	IS 2025(P-27)-1986
99	Plantin (a.F)	mgft	1.40	5 Alas	APHA 23rd Bit. 4500FD
8	Total Superided Scillar	mg/l	28.0	100 Max.	15:3025 (P-17)-1984
	Househort Cheenium (as Cr 5)	mg/l	MDanage	O.t Mass	ES 3825(F-32)-2003
100	Fored Chromitate (see Cr.)	mp/i	NDsavan	2.0 Mars.	1% 3025(F-52)-2013

"End of Bepare"

SHUTOSH SRIVASTAVA Deputy Technical Manager Authorised Signatory

Note: 1. The Result Indicated store rate to the testing surrige and listed set parameters only, encousances of products is rethin referred not explicit.

2. Their installs of our listed expectance which or to past without virtue concern of the listed out;

3. Their installs in the reportuned which or to past without virtue concern of the listed out;

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Sneigh: ID:

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Sample Collected By:

272, Phase-IV. Sec-57, HSIIDC, Kundli, Sonepat-131028 (Haryana) Ph.: 7682301442, 9258014551 Email: aalkundi@gmail.com

Website: www.aakundii.com

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AAL

board Tec	M/s fedian Oil Corporation Limited	Report No. AAL WQ:	r-20231223605
	(Refineries Division)	Date of Receiving	21/02/2025
	Punipat Naphtha Cracker, Punipat (Histyana)	Date of Startings	21/12/2023
	South of the State	Date of Completion:	20/13/2021
Sample frescription:	Effluent Water Sample	Date of Reportings	26/12/2023
Work arthe frem:	Poniput Referency (Table-A)	Sample Quantity:	2 Litre
Souple Collection Date:	20/12/2023	Sample Packing Conditions	Plastic Can

		TESTR	ESULT		
S. No.	Test purameters	Unit	Results	Permissible Limits as per CPCB Guiddine	Testing Method
1	plf Value		7.82	5.0 - 9.5	19 302509-11)-2022
2	Oil & Counce	mg/l	2.6	3.0 Man.	15,3025 (P-39)-2021
3.	Biochemical Oxygen Demand 0160-3 dress 2700	mgd	14.0	15 Mm.	19 3025(P-44)-2023
4	Chemical Oxygen Demand (COC)	mgd	93.0	123 Max.	15 3025(P-58)-2023
3	Total Suspended Solida	mg/2	17,4	20 Max.	18 3021 (P-17)-2022
6	Phonois	Figure	0.18	9.55 Max	(8.10230)/43/5/13-2022
1	halphide (as S)	ma/S	633	0.5 Max.	E9-3025(P-29)-2002
8.	Cyanide (as CN)	mg/t	NDanas.	0.20 Mac.	APHA 4500 CN-D
7.	Aremeda (mcN)	mpl	4.7	15 Mas.	13-3025(7-34)-1988
100	Total Kiekhild Nitroger (m N)	Ngm	9.6	40 Mas.	15 3(25)(2-34)-1958
(80)	P	mg/l	1.40	3.0 Max.	15-3025(F-31)+1988
12	Hospital Chronium (as Cr*)	Papu	NOH:	0.1 Mbs.	15 5025(5-52)-20(0
13	Total Chronium (as Cr)	ngd	NDoorn	2.0 Mas.	15 3025(P-52)-2009
14	Lead (as Plo)	mpfi	MDanon	II.1 Mos.	19 3025(P-47)-1994
13	Monnety (as (1g)	mafi	NBcausen	OOT Man.	15 7025(P-48)-1991
16	Zinc (sai Zin)	mps	0.22	5.0 Mm.	15:3025(P=(9)-1904
17	Nizkat (nr Ni)	mg/l	NDianen	LD Max.	IS 1027(P-54)-2003
18	Copper (as Ce)	mg%	NDanner	1.0 Max	IS 2025(P-42)-1092
10	Vanidian (as V)	mg/t	NOunce	0.2 Moc	APRIA (23" Elizado), 2011, 2010
20	Besame (as C _a H _a)	rngit	NDm=m	0.1 May.	APHA (23" Edition), 3017, 62000
21.	Herizo a pyrene (Reft)	. ingili	NDsawa.	0.2 Mix.	APHA(23" EFFA), 3017,- ASAGTOSHORIVASTAVA
	HOORE WAY THE DESTRUCTOR	**End of !	Report**		Deput Signatory

The Result Edicated above refer to the feeting sumple and light limit parameters only, endorsoment of products is neither inflated and anything

ETP1- Guerat Fond

2. This facility of currishments you find that shallow service around the parameters may endorsement of products a new or stated and anything.

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AAL

M/s Indian Oil Corporation Limited	Report No. AAL W)T-20231221606
(Neffreries Division)	Date of Receiving:	21/12/2023
Panipat (Harvana)	Date of Stanting:	21/12/2023
WWW. Contract Contrac	Date of Completion:	36/12/2023
Effluent Water Sample	Date of Reparting:	26/12/2023
Peniput Referry (Table-A)	Sample Quantity:	≥ Lim
20/13/2021	Sample Packing Condition:	Plante Car
	Panipat Naphthu Cracker, Panipat (Haryana) Effluent Water Sample Panipat Referent (Table-A)	Natural Col Corporation Limited (Nefforties Division) Paniput Narithm Cristler: Puniput Narithm Cristler: Puniput (Haryana) Date of Stanting: Date of Completion: Effocut Water Sample Puniput Referry (Table-A) Sample Quantity:

ETP2- Guard Pand Sample Coffeered By:

		TEST R	ESULT		
S. Na.	Test paremeters	Unit	Results	Permissibbo Limits as per CPCB Guideline	Teating Method
1.	pel Value		7.79	6,0 - 8.5	19.3025(9-113-3022
2	Oll A. Genne	mgd	2.1	5.0 Mex.	18 2025 (1539) 2021
3	Beachemical Oxygen Demand (000-3 don ar 2005)	mail	13.2	11 Max.	(5.3005(0-44)-3003
- 4	Chemical Oxygen Demand (COO)	Ing/F	\$5.0	123 Max.	EH 3/923(E-585-2023
9	Foral Suspended Solida	mpt	35.3	20 Max	18 3025 (P-17)-2022
6	Plends	Pgrt:	0.14	0.35 Max.	15 3025(1-43/5-1)-2022
3.	Sulphide (is S)	Lpn	0.33	0.5 Mac	rsi 3023(9-29)-2022
10.5	Cyunide (as CDV)	fugite	NOmenn	0.20 Mm.	APIIA 4300 CN-D
9	Ammania (sa N)	Nym	3.6	15 Max.	75 3025(P-34)-1988
100	Total Kickhilt Kitengen (as N)	mgd	8:0	40 Mas.	ts 3025/P-34)-1988
11.	P	uny/s	1.38	3.0 Mm.	18 3025(Y-31)y-1988
12	Resolved Chromium (as Cr ¹⁴)	7gm	NDedGom	0.1 Mas.	15 1025(7-52)-2003
15	Total Caremant (as Co)	mgs	NDMAR	2.0 Mex.	18 3025(P-52)-2003
14.	Lead (as Ph)	mart	NDamest	0.1 Mps.	18 7025(P-47)-1994
15	Memory (as Hg)	man	NDan-en	DOI Mas.	IS 2025(F-48)-1994
In-	Zinciçus Zin)	mail	0.17	5.9 Max.	15-3025(P-49)-1994
17.	Nickel (at Ni)	Type:	NDines	L0 Max	(\$ 5025(9554)-20(8
- 18	Copper (in Ca)	mg/l	NDpum	1.03600	IS 3023(P+42)-1992
19	Vandium (ar. V)	mert	NDunam.	0.2 Mas.	APHA (23 st E-Enlow), 2017,
20	Diminur (in Calla)	fign	NDss.+cr	0.1 Mm.	APITA (23" Edition), 2017.
21	Hanzo a-pycene (Balf)	Pare	NDanson	0,2 Mer.	APIIA (23" Equipo 201") ASALITOS PERIVASTAVA
		En	d of Report		Deauth Jacob St. March er

Note: 1. The Result indicated shown refer to the rested sample and trated has parameters only, endomentant of products in neither interest not implied.

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thate of secur of report unions specified



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Sample Collected By:

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Website: www.aalkundli.com

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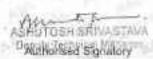
Page 1 of 1

AAL

Juned You	Mis Indian Oil Corporation Limited	Report No. AAL WOT	-2/031221008
Table Time	(Refineries Division)	Date of Receiving:	21/12/2023
	Panigat Naphina Cracker; Panigat (Horyaga)	Date of Starting:	21/13/2023
	Variety Williams	Date of Completions	26/12/2023
Sample Description:	Effluent Water Sample	Date of Reporting:	26/12/2023
Work under from:	PX-PTA (Tittle-b)	Sample Quantity:	7 Litre
Sample Collectine Date:	29/12/2023	Sample Packing Conditions	Pienie Con
Sample ID:	PTA-ETP-3- Guard Pand	Sample Collected By:	AAL

		TESTR	ESCLT		
5. No.	Test parameters	Unit	Results	Permissible Lineits	Testing Method
- 1	pil Value	A COLD	7,53	0.5 - 8.5	(K-3025(F-11)-2022
12:	Hischeniani Onygan Dannasi atok - J Green 2005	mgA	22,0	10 Min.	IS 1025(P-44)-2923
30	Phonoi	mp5	0.25	1 Mes.	79 3025(7-43/8-1)-2022
A.	Salyhide (m S)	ngrt	0.24	2 Mex	15 3025(9-29)-2022
6	Cumical Goygo: Dameid (CDD)	mgf	117.0	230 Mes.	15 31(25)7-51()-21(23)
4	Committee(EN)	Taget.	NDccom	0.29 Mex.	APRIA 4300 CN-0
To:	Fisoride (se l')	097	134	5 Max	APHA 4500-FD
×.	Youd Seepenfed Solida	enge)	30.5	100 Mas.	IS 3025 (P-17)-2022
9	Historical Climinian (as Cr ⁽⁴)	139/	NDuner	0.1 Mas.	15 3023(P-52)-2003
10	Total Chamium ins-Ur)	Pgm.	NOspisia -	2.0 Max	05:3025(P-57)-3000
	10-14 Days Library County				





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Panipat Refinery and Petrochemical complex

Noise monitoring results

Date/Period: -23 September 2023 (Q-2-2023-2024)

		Noise results		
S. No.	Location name	Day time (6.00 a.m. to 10.00 p.m) (Limit 75 dBA)*	Night time (10.00 p.m. to 5.00 a.m) (Limit 70 dBA)*	
1	Gate no. 1	64.8	58.9	
2	P1A Gate.	67.9	65.4	
3	At entry of PNC flyover.	64.2	60.2	
4	Near Raw water pond (north west corner).	58.1	58.7	
5	Boundary wall (near operator cabin 4 of offsites.)	60.4	52.8	
6	Near MCR.	58.2	56.2	
7 8	Near Boundary wall at backside of ETP-2.	60.2	52.2	
8	Near CR-11	59.9	48.2	
9	Gate No. 2 (Time office)	63.4	62.4	
10	Store	54.2	50.2	
11	PTA control room	59.9	56.2	
12	Admin building	56.3	49.8	
13	Project building	58.9	55.4	
14	PX control room	60.2	53.2	
15	3 G Ethanol	59.2	54.2	
16	Main Gate(2G Ethanol Plant)	69.5	62.4	
17	Control Room (2G Fihanol Plant)	65.2	58.9	

^{*}Note: as per Noise pollution (regulation and control) rules 2000

Ind. Hygienist

Occupational Health Centre

Panipat Refinery and Petrochemical complex Noise monitoring results

Date/Period: -28 December 2023 (Q-3-2023-2024)

		Noise results		
5. No.	Location name	Day time (6.00 a.m. to 10.00 p.m) (Limit 75 dBA)*	Night time (10.00 p.m. to 5.00 a.m) (Limit 70 dBA)*	
1	Gate no. 1	58.6	56.4	
2	PTA Gate.	56.4	54.8	
3	At entry of PNC flyover.	60.2	59.1	
4	Near Raw water pond (north west corner).	63.7	54.2	
5	Boundary wall (near operator cabin 4 of offsites.)	58.8	53.2	
6	Near MCR.	61.1	60.1	
7	Near Boundary wall at backside of ETP-2.	57.5	54.2	
8	Near CR-11	64.6	43.2	
9	Gate No. 2 (Time office)	50.2	58.2	
10	Store	58.9	50.1	
11	PTA control room	56.8	54,4	
12	Admin building	52.4	48.6	
13	Project building	56.2	50.4	
14	PX control room	59.6	56.2	
15	3 G Ethanol	65.9	52.7	
15	Main Gate(2G Ethanol Plant)	72.6	70.1	
17	Control Room (2G Ethanol Plant)	61.1	50.1	

^{*}Note: as per Noise pollution (regulation and control) rules 2000

Ind Hygienist

Occupational Health Centre

TO SPACE TO COLUMN TO SPACE TO COLUMN TO COLUM

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10

(See rule 19 (1))

SI, No.

3312

MANIFEST FOR HAZARDOUS AND OTHER WASTE Sender's name and mailing address Poch , fam put Rethrey & (Including Phone No. and e-mail) Remochinisal confoldx, 2 Sender's authorisation No. HWM182T/2023/7735/0) 3 Manifest Document No. 4 Transporter's name and address : (Including Phone No. and e-mail) 5 Type of vehicle (Truck/Tanker/Special Vehicle) 6 Transporter's registration No. 7 HR45C5805 Vehicle registration No. MS. Milay harayam Polyol LL P) D-163, KANDRA 8 Receiver's name and mailing Address (Including Phone No. and e-mail) JSPCB/HO/ANC 9 Receiver's authorisation No. 10052121/2021/ 10 Waste description 11 Total quantity No. of ContainersNos 12 Physical form (Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Special handling instructions and additional USE PPES. 13 information I hereby declare that the contents of the 14 Sender's Certificate consignment are fully and accurately to test till A described above by proper shipping name and are categorised, packed marked, and in the firm labelled, and are in all respects in proper Lab Hours conditions for transport by road according to applicable national government regulations. Signature स्मिर्य बमा Year Month Name and stamp: 0 2 3 Transporter acknowledgment of receipt of Wastes 15 Slanature Month Day Year Name and stamp Receiver's certification for receipt of hazardous and other waste 2023 16 Year Signatura Month Day Name and stamp 07 0 2 3

Sender copy to be sent to SPCB

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 {See rule 19 (1)}

SI, No.

MANIFEST FOR HAZARDOUS AN	DOTTIER VIAOLE
Sender's name and mailing address (Including Phone No. and e-mail)	Retrockent culcomplex, Baholi Panipat - 19 1 140 HVM PIT/2023/7735101
Sender's authorisation No.	HUMIPITIZE 23/7739101
Manifest Document No.	3313
Transporter's name and address : (Including Phone No. and e-mail)	Willay nosayan Polyth
Type of vehicle	(Truck/Tanker/Special Vehicle)
Transporter's registration No.	
Vehicle registration No.	HR45 C 5805
Receiver's name and mailing Address (Including Phone No. and e-mail)	MIS. Kullay horayan Polycre CLP10-163, KANDRA
Receiver's authorisation No.	JS8CD 1 H= 1 RHC/HW.
Waste description	Och shage (U.R.)
Total quantity No. of Containers	12:76 m' or MT
Physical form	(Solid/Semi-Solid/Sludge/Olly/Tarry/Slurry/Liquid)
Special handling instructions and additional information	USEPPERS.
Sender's Certificate Lal Lal day elizar start power to certific po	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
Name and stamp: Signature M	Day Year 1 9 2 2 2 7
Transporter acknowledgment of receipt of Wastes	10 No. 10
Name and stamp: Signature M	onth Day Year
Receiver's certification for receipt of hazardous and other wa	iste
	Sender's name and mailing address (Including Phone No. and e-mail) Sender's authorisation No. Manifest Document No. Transporter's name and address: (Including Phone No. and e-mail) Type of vehicle Transporter's registration No. Vehicle registration No. Receiver's name and mailing Address (Including Phone No. and e-mail) Receiver's authorisation No. Waste description Total quantity No. of Containers Physical form Special handling instructions and additional information Sender's Certificate Physical form Signature Name and stamp: Signature

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex

FORM 10 (See rule 19 (1)) SI: No.

3314

MANIFEST FOR HAZARDOUS AND OTHER WASTE IOCL PENIANT RETINENT SE 1 -Sender's name and mailing address Petrochemical complex (Including Phone No. and e-mail) 2013/7735/0 2 Sender's authorisation No. 3 Manifest Document No. Whed ups 4 Transporter's name and address: (Including Phone No. and e-mail) Milay norayon Blyd (Truck/Tanker/Special Vehicle) 5 Type of vehicle Transporter's registration No. 6 45 8587 Vehicle registration No. 7 MIS Kliby normy on you che Receiver's name and mailing Address JSPCB/HOLRNCHHUM 8 (Including Phone No. and e-mail) 9 Receiver's authorisation No. 100 52121/2021/23 Spent Ch Waste description 10 m or MT Total quantity 11 No. of ContainersNos. (Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Physical form 12 USE PPES. Special handling instructions and additional 13 information I hereby declare that the contents of the consignment are fully and accurately Sender's Certificate मारव भीरूप वर्म 14 described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper Disceral Verma (Manager (11 54E) 10900 (Nation) (12 arches) 13210 conditions for transport by road according to applicable national government regulations. Paripat Raffnery (LO.C.L.) 132149 Day Month Signature Name and stamp: 2 9 Transporter acknowledgmon of ceceipt of Wastes ed 200 15 Year Month Day Name and stamp 0 2 3 20 SUNIO Receiver's certification for receipt of hazardous and other waste 16 Year Month 23 Name and stamp ; 2 9 617

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 {See rule 19 (1)}

SI, No.

	MANIFEST FOR HAZARDOUS AND	OTHER WASIE
1.	Sender's name and mailing address (Including Phone No. and e-mail)	Petrochemicel complex Penipet - 132140 HWWV PIT/2023/7735101
2	Sender's authorisation No.	HWMY PIT/2023/7+35/01
3 -	Manifest Document No.	3315
4	Transporter's name and address : (Including Phone No. and e-mail)	Lined up by MIS. Mi Cayneray on Poly oteror
5 -	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR4503911
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	CLP, D-163, KANDRA
9	Receiver's authorisation No.	100 52121/2021/23
10	Waste description	Spent clay (PX) 2 St So mior MT
11	Total quantity No, of Containers	2 St So milor MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use PPE's.
14	Sender's Certificate Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature M	onth Day Year
5	Terrended an Probled general of receipt of Wastes	onth Day Year
-17/-	Name and stamp	7 20 2023
5	Receiver's certification for receipt chiazardous and other wa	ste Year
* F	Name and stamp	0000

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 (See rule 19 (1))

SI: No. 3316

	MANIFEST FOR HAZARDOUS AND	
1:	Sender's name and mailing address (Including Phone No. and e-mail)	PETROCHEMICAL COMPLEX BAHOLI, PANIPAT -132140
2	Sender's authorisation No.	HWM/PIT/2023/7735/01
3 .	Manifest Document No.	3316
4	Transporter's name and address : (Including Phone No. and e-mail)	LINED UP BY BAPREL SUPPLY
5 -	Type of vehicle	(Truck/Tanker/Special Vehicle)
6.	Transporter's registration No.	
7:	Vehicle registration No.	HR 38 U 3350
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	M/S Baddel Supply Company PLOT NO. 1071 HSTIDC, TRAL, Sonipal - (HR)
9	Receiver's authorisation No.	HWW/30N/2022/262177
10	Waste description	Spent bassels / obums of plas
11	Total quantity No. of Containers	250 / Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Siûrry/Liquid)
13	Special handling instructions and additional information	USE PPEIS
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and tabelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 7 マル ス・マース
15	Name and RAY SQNEPATYMOOLOW	
-	Receiver's pertification for receipt of pazardous and other wa	Month Day Year

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 {See rule 19 (1)} HAZARDOUS AND OTHER WASTE

SI, No.

	WANIFEST FOR HAZARDOOD AND	DOTHER WASTE
1	Sender's name and mailing address (Including Phone No. and e-mail)	Petrochemical Complese Bahali Panier -132140
2	Sender's authorisation No.	HWM/PIT /2023/ 7735101
3	Manifest Document No.	3317
4	Transporter's name and address : (Including Phone No. and e-mail)	Linedup by Bazzel Supply
5 .	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HX 380 0488
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	MIS Battel Supply ComPany Plat No 1671 HSII DCo RAI, Soni Pat (HR) HWU/ SON /2022/2621774t
9	Receiver's authorisation No.	HWU/ SON /2022/26217746
10	Waste description	spent bassels /drums of plast
11	Total quantity No. of Containers	9 50/Nos.
59		Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
	- ex	16 No. 16
13	Special handling instructions and additional information	USE PPEIS
(9)		
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and
, Ř	Manager (H, S&E) कर्मका कि दूर-में (पद ओ प्रेएक) 132160 Far-1 (O.C.L) (3216)	labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	BARREL SUPPLY CO CATANTO	Tonth Day Year 7 2 1 2 0 2 3
15 P	L Dangooter acknowledgment of receipt of Wastes	Posts Posts
	NaRCA 4 PS STATE PAT. Signature Man 154 ccc 0	fonth Day Year 子 タロ マコ
16	Receiver's certification for receipt of hazardous and other wa	
	Name and stamp SUPPL Signature	Ionth Day Year

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10

SI, No

3318

(See rule 19 (1))

MANIFEST FOR HAZARDOUS AND OTHER WASTE Foch , Pampet Fedinary Petrochemical complex
Baholi) Pamiput - 132140
Hum/PET 120231773510) 1 Sender's name and mailing address (Including Phone No. and e-mail) 2 Sender's authorisation No. 3 Manifest Document No. linearly by Bussel supply, 4 Transporter's name and address: (Including Phone No. and e-mail) 5 (Truck/Tanker/Special Vehicle) Type of vehicle Transporter's registration No. 6 HR38U3750 7 Vehicle registration No. MU. Boursel supply to formy Plot No - 167/145 I DCJ 8 Receiver's name and mailing Address (Including Phone No. and e-mail) RAI ISONI PATICHE HWU/SON 12022/26217740 9 Receiver's authorisation No. spent barrell days of 1 lastic 10 Waste description 11 Total quantity No. of Containers (Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Physical form 12 Special handling instructions and additional Use PPEN. 13 information I hereby declare that the contents of the Sender's Certificate 14 consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and Diveral Verma Manager (1 SSE) labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations. Month Signature Name and stamp : 07-न्धीरू वम Transporter acknowledgment of receipt of Wastes 15 Name and stamp : PLOT NO. 167 PANTY DE 3 Receivers certification for receipt of son bysaged other waste 16 Name and Stampet SUP Suraturo.
PLOT NO. 1671, H.S.I.I.D. Year Month RAI, SONEPAT Sender copy to be sent to SPCB

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 (See rule 19 (1)) OR HAZARDOUS AND OTHER WASTE

3319 SI. No.

Sender's name and mailing address	I och I Pamil but Retinery
(Including Phone No. and e-mail)	Petrochenientenpeting & Petrochenientenpeting & B-halis Panipeting 132140 HWM/PIT/2023/7735/0)
Sender's authorisation No.	HWM/PIT/2023/7735/01
Manifest Document No.	3319
Transporter's name and address (Including Phone No. and e-mail)	Bound supply.
Type of vehicle	(Truck/Tanker/Special Vehicle)
Transporter's registration No.	
Vehicle registration No.	HR38U0488
Receiver's name and mailing Address (Including Phone No. and e-mail)	Plot -1671, HIT FDCG RAFISONIT PATICH. RI
Receiver's authorisation No.	400 150N 120221 26217-740
Waste description	spent bounds laryms off
Total quantity No. of Containers	2481- Nos.
Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid
Special handling instructions and additional information	USE PPESS.
Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
BARRELSTOPPLY CO-call and	Month Day Year 23
Transporter acknowledgement of veceipt of Wastes	The same of the sa
	Month Day Year
Receiver's certifice and for techip (O) nazardous and other	The state of the s
Name and stamp 1671, H.S. Signature RAI, SONEPAT.	Month Day Year
	Manifest Document No. Transporter's name and address (Including Phone No. and e-mail) Type of vehicle Transporter's registration No. Vehicle registration No. Receiver's name and mailing Address (Including Phone No. and e-mail) Receiver's authorisation No. Waste description Total quantity No. of Containers Physical form Special handling instructions and additional information Sender's Certificate BARREISTOPPLY CO-CALLAR AND TRANSPORT OF CONTAINED TO TRANSPORT OF CONTAINE

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 {See rule 19 (1)} MANIFEST FOR HAZARDOUS AND OTHER WASTE

SI. No.

3320

	MINITED FOR THE STATE OF THE ST	
1 =	Sender's name and mailing address (Including Phone No. and e-mail)	Each, Parni pat Represent Redrocke mical complex/ Panipat - 1321 10
2	Sender's authorisation No.	HWM1827/2023/7735/01
3	Manifest Document No.	39 20
4	Transporter's name and address (including Phone No. and e-mail)	Ciredulphym I'm payarem Payarem
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR45 C9610
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	MIS. Nilly natagon Polychen LLP, D-16), KAHPRAL DRAMBAD. JSPCB/HOIRHC/HWM/
9	Receiver's authorisation No.	JSPEB/HOIRNC/HUM/
		100 521 21/2021/23
10	Waste description	Spent clay (ATF)
11	Total quantity No. of Containers	Spent clay (ATF) 25.47 morMT Nos
12	Physical form	(Solid/Semi-Solid/Sludge/Olly/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	A 10 466 a2 *
14	Sender's Certificate AAZ AAZ AAZ AAZ AAZ AAZ AAZ A	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	भीर्जकरा .[र	Month Day Year
15	Transporter acknowled gment of receipt of Wastes	
		Month Day Year
16	Receiver's certification for receipt of hazardous and other w	market to the state of the stat
8	Name and stamp : Signature	Month Day Year
	Sender copy to be sent to	

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 {See rule 19 (1)}

	MANIFEST FOR HAZARDOOS?	SIND OTHER WASTE
t	Sender's name and mailing address (Including Phone No. and e-mail)	Rock / Rom pat Retinery L Retrochemical confile X) Pami pat - 132140
2	Sender's authorisation No.	1+ wm & FT 12023/7735101
3	Manifest Document No.	9321
4	Transporter's name and address : (Including Phone No. and e-mail)	mer Mi Laynarayan Polyate
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR45B5B71
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	mis. Milaynarayan Polychende D-1671 KANDRA? Chambad.
9	Receiver's authorisation No.	JSPCB/HO/RNC/HWM
		100 52121/2021/23
10	Waste description	Spent Clay (ATF)
11	Total quantity No. of Containers	Spent Clay (ATF) 29.98 m'orMT Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	NZE PPEIS.
14	Sender's Certificate LALAT ANT Sender's Certificate LALAT ANT SENDER OF ERROR CONTROL OF THE PROPERTY OF	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled and are in all respects in proper conditions for transport by road according to applicable national government regulations.
117		Month Day Year のアース6 2 6 2 3
15	Transporter acknowledgment of receipt of Wastes	Month Day Year
	Name and stame: Signature	07 26 2023
16	Receiver's certification for receipt of hazardous and other	waste Day Year
16574	Name and stamp : Signature	Month Day Year 0 子 2 6 2 9 2 3
	Sender copy to be sent	to SPCB

SI. No. 3321

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 {See rule 19 (1)} ANIFEST FOR HAZARDOUS AND OTHER WASTE

SI, No. 3322

	MANIFEST FOR HAZARDOO	T- 0 V 10 11 11 4
1.	Sender's name and mailing address (including Phone No. and e-mail)	Petrochenical complex) Boholi, for pat - 192 Mg
2	Sender's authorisation No.	HWM 15T12023/77354
3 -	Manifest Document No.	3322
4	Transporter's name and address : (including Phone No. and e-mail)	and ruley narry m
5 .	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR4568805
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	LLP, 0-163, KANDRAS
9 *	Receiver's authorisation No.	JSPCB/Ha/RMC/HWM/
10	Waste description	Shert Clay (Px)
11	Total quantity No. of Containers	Spent Clay (Px) 25.65 morMT Nos
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling Instructions and additional information	Use PPE-SS
14	Sender's Certificate EST CERT CENT District Certificate EST CERT CENT District Certificate EST CERT CENT District Certificate EST	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp : Signature M	onth Day Year
15	Transporter acknowledgment of (eceipta) Wastes	
y v	The contract of the contract o	onth Day Year
16	Receiver's certification for receipt of hazardous and other wa Name and stamp : /S/ Signature M	

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex

SI: No. 3323

FORM 10 {See rule 19 (1)}

	MANIFEST FOR HAZARDOUS A	NO OTHER WASTE
100	Sender's name and mailing address (Including Phone No. and e-mail)	Petrochemical complex)
2	Sender's authorisation No.	HWM 182712023 177356
3	Manifest Document No.	3123
4	Transporter's name and address : (Including Phone No. and e-mail)	Wed up by, Ni lay norry m
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR45C2215
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	Ms, refly no say and oby ohe
9	Receiver's authorisation No.	75 PCB/HO/RNC/ HWM/10052121/2021/
10	Waste description	28.48 mor MI
11	Total quantity No. of Containers	28.48 m or MI Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional - information	Userpers.
14	Sender's Certificate effective and the property of the proper	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp : Signature	Month Day Year 8 6 3 2 2 3
15	Transporter acknowledgment of receipt of Wastes	***
	Name and stamp: / S/ Signature	Month Day Year 多 日 © ? ストランプ
16	Receiver's certification for receipt of hazardous and other w	aste
	Name and stamp: (;: / Signature 3)	Wonth Day Year

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 (See rule 19 (1))

si. No. 3325

	MANIFEST FOR HAZARDOUS AN	I al Po that Realing &
1	Sender's name and mailing address (Including Phone No. and e-mail)	Petrochem collowold X) Petrochem collowold X) Petrochem collowold X) Pompet - 172140
2	Sender's authorisation No.	HWM1471 120-21312
3	Manifest Document No.	3725
4	Transporter's name and address : (Including Phone No. and e-mail)	Whed up by mys. Hi lay notayon
5 -	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HRYSCS805
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	MIS. Noting norman Polyer LP, D-1631 KANDRAS
9	Receiver's authorisation No.	HWM/10052121/2021/2
10	Waste description	Spend Clay (PX) 24.40 mor MT
11	Total quantity No. of Containers	24.40 m³ or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	VSE PPES.
14	Sender's Certificate Part of the part of	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature -entry and	Month Day Year
15	Transporter acknowledgment of receipt of Wastes	Month Day Year
	Name and School to Signature	08 09 2823
16	Name and stamp 3 Signature	Month Day Year

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 {See rule 19 (1)}

_	MANIFEST FOR HAZARDOUS A	IND OTHER WASTE
1	Sender's name and mailing address (Including Phone No. and e-mail)	Petrochemical complex Bahalis Pamipit - 13214.
2	. Sender's authorisation No.	HWM1PET12023/97351
3	Manifest Document No.	3321
4	Transporter's name and address : (Including Phone No. and e-mail)	Whed up by My.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR4902215
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	Mr. Nilay masayan folyo
9	Receiver's authorisation No.	JIPOBIHO/RHC/
		HWN 1100 52121/773510
10	Waste description	Sport clay (PX)
11	Total quantity No. of Containers	27.72 morMT
		Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	USEPPES.
14	Sender's Certificate LULY AM Discrete Volume Discrete	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
4	Name and stamp: Signature	Month Day Year
15	Transporter acknowledgment of reseipt of Wastes	Month Day Year
	· · · · · · · · · · · · · · · · · · ·	00 09 2023
16	Receiver's certification for eceipt of hazardous and other	waste
100	Name and stamp	Month Day Year

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 {See rule 19 (1)}

SI. No. 3327

	MANIFEST FOR HAZARDOUS	AND OTHER WASTE
1	Sender's name and mailing address (Including Phone No. and e-mall)	Petrochemical complex Panipat - 132140
2	Sender's authorisation No.	HWM/PIT/2023/7735101
3	Manifest Document No.	3327
4	Transporter's name and address : (Including Phone No. and e-mail)	Toyle Nilay Narayyan Polyche
5 .	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	PB13 BP 5057
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	Mis Nilay Norrayan Polyel LLP D-163 kandra Dhambad
9	Receiver's authorisation No.	JEPCB/HO/ RNC/HWM/
10	Waste description .	FCCU spent catalyst
11	Total quantity No. of Containers	2.6. S.1 p/or MT
12	Physical form	(Solid/Semi-Solid/Skudge/Oily/Tarry/Slurry/Liquid) 970970001 Soti of
13	Special handling instructions and additional information	use ppels
14	Sender's Certificate Paralle Andrew Comments and Comment	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamps: 'O' A Signature Transporter acknowledgment of receigt At Westes	Month Day Year O8 14 2-023
15	Hansbourg Manhama	Month Day Year
	Name and sterion: Signature	08 14 202 2
16	Receiver's certification for receipt of hazardous and other	Market and the second s
	Na na and stampt Signature	Month Day Year O 8 14 2 0 2 3

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 (See rule 19 (1))

SI. No.

	MANIFEST FOR HAZARDOGO AM	The Police of the Colores Id
1	Sender's name and mailing address (Including Phone No. and e-mail)	Petrochemical comptex Bandi Proipat-132140
2	Sender's authorisation No.	Hwm/pit/2023/7735701
3	Manifest Document No.	3328
4	Transporter's name and address : (Including Phone No. and e-mail)	mos Nilay Narayan Polycho
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR58 B8152
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	IN/S Nilony Narayan Polych LLP.D-163 Kandra, Duambad
9	Receiver's authorisation No.	JSPCB/HO/RNC/HWM/ 10052121/2021/23
10	Waste description	Focu spent catalyst
11	Total quantity No. of Containers	26.53 FORMT
		Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oilly/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	use PPEIS
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamps 1999 Signature N	Month Day Year
15	Transporter acknowledgment of receipt of Wastes	
9	Name and started Signstore manbad 3 N	fonth Day Year
16	Receiver's certification for receipt of hazardous and other wa	aste
		Month Day Year

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 {See rule 19 (1)}

SI. No.

3329

	MANIFEST FOR HAZARDOUS A	IND OTHER WASTE
1.	Sender's name and mailing address (Including Phone No. and e-mail)	Retrochanted complex, Bahali, Panipal - 132140
2	Sender's authorisation No.	HWMIPIT/2023/77351
3	Manifest Document No.	9329
4	Transporter's name and address : (Including Phone No. and e-mail)	thed by by . relaynasay on
5 -	Type of vehicle	. (Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HRYS C2215
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	CLP, P-163, KANDA A)
9	Receiver's authorisation No.	100 52121/2021/23
10	Waste description	5 bent clay (ATF)
11	Total quantity No, of Containers	5 pent clay (ATF)
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	use ppens.
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp : Signature	Month Day Year ************************************
15	Transporter acknowled by the of receipt of Wastes	1/24: A 1/2 1/2
	Name and steinp: Signature	Month Day Year
16	Receiver's certification for receipt of hazardous and other Name and stamp: Signature	Month Day Year
	(2) (DIVINITAL) = (DV)	0 8 2 4 2 0 2 3

Sender copy to be sent to SPCB

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 (See rule 19 (1))

SI. No.

3330

	(See rule 19 MANIFEST FOR HAZARDOUS	AND OTHER WASTE
	MANIFEST FOR HAD	Inchi Pampi Conflex
	Sender's name and mailing address (Including Phone No. and e-mail)	Per Cherical Confiery & Person Color Parisher 132
	Sender's authorisation No.	HWMIPLIFE
\$		9330
	Manifest Document No. Transporter's name and address:	Whether Milaynarayo
	(Including Phone No. and e-mail)	(Truck/Tanker/Special Vehicle)
-	Type of vehicle	A A A A A A A A A A A A A A A A A A A
0.87	Transporter's registration No.	HR4503911
	Vehicle registration No.	H K 45 manyam foly d
	Receiver's name and mailing Address (Including Phone No. and e-mail)	Mr. Milynorayan folyd CL P, 0-1627 KAMBRA
2	Receiver's authorisation No.	TIPEBIHO/RNE/
	Receiver's authorisation	10052121/2021/20
0	Waste description	5 pent 2 lary (F10)
1	Total quantity No. of Containers	Nos.
11	as to the same of	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid
2	Physical form	8 14
3	Special handling instructions and additional information	USE PPESS.
4	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurated described above by proper shipping name
98	्राट्न (क्रिक्ट क्रिक्ट क्रिक क्रिक्ट क्रिक्ट क्रिक्ट क्रिक्ट क्रिक्ट क्रिक क्रिक क्रिक्ट क्रिक क	and are categorised, packed marked, an labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations
	Name and stamp: Signature	Month Day Year 60 2-4 2 623
5	Transporter acknowledgment of receipt of Wastes	
	Name and stamp. Signature	Month Day Year 5 8 2 4 2 9 2 3
a	Receiver's certification for receipt of hazardous and oth	er waste
6	Name and stamp: Signature	Month Day Year

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 (See rule 19 (1))

SI: No.

3391

MANIFEST FOR HAZARDOUS AND OTHER WASTE

	WIANN LOT FOR THE	Land A Company
1	Sender's name and mailing address (Including Phone No. and e-mail)	Petrochemical complexe Banoli PaniAnt - 132140
2	Sender's authorisation No.	HWM/PIT/2023/7735101
3 -	Manifest Document No.	3391
4	Transporter's name and address : (Including Phone No. and e-mail)	Mis Bassel supply
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HK 38U 3350 , HD234
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	Plot - 1071, HSIIDC TRAI Sonifat, (H.R.)
9	Receiver's authorisation No.	HWU /SON / 2022 /26217740
10	Waste description	Spent barrels/doumsof Plas
11	Total quantity No. of Containers	m ^t or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	USE PPE'S
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
Ç.C	Name and stamp: Signature	Month Day Year の 8 2 5 シロックス
15	Transporter acknowledgment of receipt of Wastes	Month Day Year
	Name and stamp : Signature	0 8 2 5 3 0 3 3
16	Receiver's certification for receipt of hazardous and other	
858.5	Name and stamp : Signature	Month Day Year

Sender copy to be sent to SPCB

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 (See rule 19 (1)) MANIFEST FOR HAZARDOUS AND OTHER WASTE

3392

SI. No.

-	To seek some and making address	1001 Pariot P 1
3	Sender's name and mailing address (Including Phone No. and e-mail)	Retrochemical Complexe Banali Pani An - 132140
2	Sender's authorisation No.	HUM/ PIT/2023/7735/01
3	Manifest Document No.	3392
4	Transporter's name and address : (Including Phone No. and e-mail)	Mis Baddel Supply
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	11111 00 / 10 -
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	M/S Bastel Supply Company Plat-1071, HSIIDE RAI Soni Put (HR) HWU/SON /2020/26217740
9	Receiver's authorisation No.	HWU/SON /2022/20217740
10	Waste description	SPENT barrels/downs of Plastic
.11	Total quantity No. of Containers	
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	USE PPE'D
14	Sender's Certificate त्भीर्य नर्भाः	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and tabelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year
15	Transporter acknowledgment of receipt of Wastes	None Many
	Name and stamp : Signature	Month Day Year のタ 25 マロスタ
16	Receiver's certification for receipt of hazardous and other	waste .
A150	Nome and stamp : Signature	Month Day Year のな える 2 d スマ

Sender copy to be sent to SPCB

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10

FORM 10 (See rule 19 (1)) 3393

Si. No.

MANIFEST FOR HAZARDOUS AND OTHER WASTE

The state of the s	1 - 1 0 1 1 0 L 1 / 1
Sender's name and mailing address (Including Phone No. and e-mail)	Paniput, 132140
Sender's authorisation No.	HWM/PIT/2023/7735/01
Manifest Document No.	5393
Transporter's name and address : (Including Phone No. and e-mail)	Lined up by Mr. Milay narrayon
Type of vehicle	(Truck/Tanker/Special Vehicle)
Transporter's registration No.	
Vehicle registration No.	the state of the s
Receiver's name and mailing Address (Including Phone No. and e-mail)	MIS: Nilaymoroyan Polychem. LLP, P-163, KANDRA;
Receiver's authorisation No.	JSPCB/HOIRNCIAWMI
	10052121/2021123
Waste description	Spent autalyst (fec)
Total quantity No. of Containers	26.58 m³ or MT
Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
Special handling instructions and additional information	USE PPE'S .
Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according
Name and stamp : Signature	to applicable national government regulations. Month Day Year
Transporter acknowledgment of receipt of Wastes	0 9 1 9 2 0 2 5
Name and plamp: Signature	Month Day Year
1 (C-21) IN 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Name and stamps Signature	Month Day Year
	(Including Phone No. and e-mail) Sender's authorisation No. Manifest Document No. Transporter's name and address: (Including Phone No. and e-mail) Type of vehicle Transporter's registration No. Vehicle registration No. Receiver's name and mailing Address (Including Phone No. and e-mail) Receiver's authorisation No. Waste description Total quantity No. of Containers Physical form Special handling instructions and additional information Sender's Certificate Name and stamp Signature Transporter acknowledgment of receipt of Wastes Name and praint Signature

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex

SI No.

3394

FORM 10 (See rule 19 (1)) MANIFEST FOR HAZARDOUS AND OTHER WASTE

1	Sender's name and mailing address (Including Phone No. and e-mail)	For ochopyical court ex.
2	Sender's authorisation No.	HWMIPIT 120231773510
3	Manifest Document No.	3294
4	Transporter's name and address : (Including Phone No. and e-mail)	Hored up by Mys rescry narrayous
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	6 HR6902508
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	MIS. Milay nasayan Pdy chanks 0-163, KAN DRA; Dham badi 73PCB HO RMC HUMI
9	Receiver's authorisation No.	10052121/2021/23
10	Waste description .	Spent Catalyst (F.GC)
11	Total quantity No. of Containers	23 · 2.5 m' or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	We PPE's.
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp : Signature वर्मा _	Month Day Year
15	Transporter acknowledgment of receipt of Wastes	Month Day Year
	Name and stamp: Signature	09 19 2 - 23
16	Receiver's certification for receipt of hazardous and other	Month Day Year

Sender copy to be sent to SPCB

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 {See rule 19 (1)} MANIFEST FOR HAZARDOUS AND OTHER WASTE

SI. No.

3396

	WANTEST FOR HAZARDOUS AND	
1	Sender's name and mailing address (Including Phone No. and e-mail)	FOCE Panipert Refinery & Petrochemical Complex, 8AHOLT Panipat -132140
2	Sender's authorisation No.	HWM/PIT/ 2023 / 43775413
3	Manifest Document No.	3396
4	Transporter's name and address : (Including Phone No. and e-mail)	SAI Waste Margement Co. VIII - Shambhupura, Chillogast Ragasthan
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	RPCB/HWM/2021-22/HSW-2)
7	Vehicle registration No.	GJ 16 AW 1610
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	MIS SHREE CEMENT LTD. VIII-Ras, TEH- Jaitason, Dist- Pali, Ragasthan
9	Receiver's authorisation No.	RPCB/HWM/2020-2021/ HSW/HSW/80
10	Waste description (HW Cat - 1-3)	PTAETP Chemical Sludge
11	Total quantity No. of Containers	31.87.0 m' or MT
12	Physical form	(Solid/Semi-Solid/Studge/Oily/Tarry/Sturry/Liquid)
13	Special handling instructions and additional information	USE PPES
14	Sender's Certificate (तालाः तित्तः TILAK SINGH प्रायंशक (एवं एतः एवं ई.) Manager (HS&E) पानीपत रिमाइनशे (आई.ओ.सी.एस.) पानीपता १०११ वर्षे	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	The state of the s	Month Day Year 0 0 5 2 0 2 3
15	Transporter acknowledge the Charles	
	Name and stamp: Signature	Month Day Year
16	Receiver's certification for repelet of hazardous and other w	aste
	Name and stamp	Month Day Year 2 0 2 3

Sender copy to be sent to SPCB

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10 {See rule 19 (1)} MANIFEST FOR HAZARDOUS AND OTHER WASTE

SI, No.

3397

1	MANIFEST FOR HAZARDOUS AND Sender's name and mailing address	Petrochemical complex
	(Including Phone No. and e-mail)	Retrochemical complex Banoli, Parnipal - 132140
2	Sender's authorisation No.	Hwm/PIT/2023/4477 5415
3	Manifest Document No.	3397
4	Transporter's name and address : (Including Phone No. and e-mail)	Rojasthan
5 -	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	RPCB/HUM /2021-22/HSW-21
7	Vehicle registration No.	W16AV 9031
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	MILL- Ras- Jaitram, Distt- Pali Rojasthan
9	Receiver's authorisation No.	RPCB/HWM/2020211/ HSW/HSW /80
10	Waste description (HW Cat - 1-3)	Chemical Sludge.
11	Total quantity No. of Containers	26.97
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slumy/Liquid
13	Special handling instructions and additional information	use ppels
14	Sender's Certificate पंत्रकार रमुमार प्रकार रमुमार प्रकार रमुमार प्रकार रम्मार प्रकार रम्मार	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in prope conditions for transport by road according to applicable national government regulations.
	Name and stating	tonth Day Year
15	Transporter ac we wiedge an erroceipt of Wastes	Ionth Day Year
-//2	Name and started	10 1017 120213
16	Receiver scandification for receipt of hazardous and other was	Month Day Teal
	Name and stamp: Signature	0 0 00000

Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex Form-10

[See rule 19 (1)]

MANIFEST FOR HAZARDOUS AND OTHER WASTE

3701

- • *	Samuel Control of the	Here A. Alexandria China
1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3701
4	Transporter's name and address : (including Phone No. and e-mall)	And MIS. Nilay norman Boychem
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR5880152
8	Receiver's name & mailing address (Including Phone No. and e-mail)	RNO-485. KANDRALCOVINDENS Dhombal.
9	Receiver's authorization No.	JSPC B/HO/RMC/HUM-10052121/
10	Waste Description (4-5-2 (44-3)	weeks soundness Containing will
11	Total quantity No. of Containers	32.89 m³or MT Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	USE PPENS.
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp; All CI Signature	Month Day Year
	Transporter acknowledgement of receipt of Wast	es
15	Name and stamp: Signature	Month Day Year
- 1	Receiver's certification for receipt of hazardous an	d other waste
16	Name and stanto: Signature	Month Day Year Z & Z S

(See rule 19 (1))

3703

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	37-3
4	Transporter's name and address : (including Phone No. and e-mail)	Linedupby MIS. Nilay narayan Polychem
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7.	Vehicle registration No.	UPIZAT 1165
8	Receiver's name & mailing address (Including Phone No. and e-mail)	MIS. No lay non ayour Polychent-LP. D-167, PHO 6451 KANDRAS Cravinalous Dhambad.
9	Receiver's authorization No.	JSPCB1HO1RNC1HWM+10052121/ 2021/23
10	Waste Description Got-5-2 (Soh. I)	wastes/ Residuel containing oil.
11	Total quantity No. of Containers	34.60 m³or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	USE PREJS.
14:	Sender's Certificate (Heptis (HIS TILAK SINGH TILAK S	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Manager (HS&E) (32140) Name and stamp: (HSSR) (Month Day Year
	Transporter acknowledgement of receipt of Waste	S .
15	Name and stamp: Signature	Month Day Year 1 1 2 0 2 9
91=	Receiver's certification for receipt of hazardous and	other waste
16	Name and stamp: Signature	Month Day Year 11 1 2 0 2 3
	Sender copy	to be sent to SPCB

[See rule 19 (1)]

MANIFEST FOR HAZARDOUS AND OTHER WASTE

3704

3	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3704
4	Transporter's name and address : (including Phone No. and e-mail)	MIS. Associated Road Calli et, Rui bet,
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	RJ114C1384
8	Receiver's name & malling address (Including Phone No. and e-mail)	MIS Ashtadhatu Ferrometal Prt. Ltd. PHNO-14 Kh No 1 65/ (13-4) 665,660 (1-6), Tilda, Rod puro 6
9	Receiver's authorization No.	327/HO/HSMDICECB/ATALHAGAR,
10	Waste Description	Spent cotalyst (NHT)
11	Total quantity No. of Containers	17'94 m'or NT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	USE, PPE'S.
14	Sender's Certificate STATES ST	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 1 0 1 3 2 0 2 3
W.	Transporter acknowledgement of receipt of Wast	tes
15	Name and stamp: Signature Rdy 19 4774 7	Month Day Year 19 20 23
	Receiver's certification for receipt of hazardous ar	nd other waste
16	Name and stamp: Signature	Month Day Year 1 3 2 2 2 3
_	The state of the s	

Sender copy to be sent to SPCB

[See rule 19 (1)]

3705

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3705
4	Transporter's name and address : (including Phone No. and e-mail)	Linsyria, Assam
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	mP07HB5791
8	Receiver's name & mailing address (Including Phone No. and e-mail)	MIS. Allied Industricky Makuma Puti Timuka Assam
9	Receiver's authorization No.	WBIOTWA/HW-351/20-21/129
10	Waste Description Cot Sil (Sch-I)	Used/spent oil (v.e.)
11	Total quantity No. of Containers	
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Vse ppe-1.
14	Sender's Certificate Elitz(ज कर्मा gasra (m परा एँ) Discord Vorma Maria (1981)	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year
	Transporte Alteriowledgement of receipt of Waste	es
115	Name and stamp: Signature	Month Day Year 1 7 2 0 2 3
	Receiver's Registradore of Peceipt of hazardous and	
16	Name and stamp: Signature	Month Day Year Q @ 2 3
	Proprietor Sender cop	y to be sent to SPCB

{See rule 19 (1)}

3707

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	37-7
4	Transporter's name and address : (Including Phone No. and e-mail)	Lined up bym 1. Milay narayoun Poly of
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	PB 13 886555
8	Receiver's name & mailing address (Including Phone No. and e-mail)	PB 13 BB6555 MIS. NULL MORA POYCEMLLP, R-16. P.MO-485. KANPRA GOVINGPUZ Draw
9	Receiver's authorization No.	719CB 1 HO IRNC 1 HWM-1005212 2021 123
10	Waste Description and 812 (sch-I)	Wastery Replayed containing oil
11	Total quantity No. of Containers	38 +9) m³ or MT Nos.
12	Physical form	(Solid/Seini-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	USEPPESS.
14	Sender's Certificate FREE THAK SINGH THAK SINGH THAK SINGH (FREE THAK SINGH \$.) (FREE THAT (FREE THAT 132140) (FREE THAT (FREE THAT 132140)	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Paripal Relinory V Signature	Month Day Year
	Transporter acknowledgement of receivants	·s
15	Name and stamp: Signative Dhanbad	Month Day Year
- 3	Receiver's certification for energy kit has recovered	other waste
16	Name and stamp: Signature Signature	Month Day Year 7 2 9 2 3
T'	8/W *Sender copy	to be sent to SPCB

[See rule 19 (1)]

3708

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3708
4	Transporter's name and address : (including Phone No. and e-mail)	Lind upon aus. Hiley normagon Folychem LLP.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR45 0 6078
8	Receiver's name & mailing address (Including Phone No. and e-mail)	MIS. Nilaymorayon Polychemle P. D-167. P. No. 485, KANDRA, Goning but Phonbook
9	Receiver's authorization No.	758CB/HOLKNC/HWM-10052121/ 2021/23
10	Waste Description cet 5-2 (Jch-I)	Wastes Residues containing all
11	Total quantity No. of Containers	34.59 m³ or MT Nos.
12	Physical form	(Solid/Sem)-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use PPE's.
14	Sender's Certificate ্বেরজ বিকে বার্মিস SINGH ব্যাহার (ক্রাকের ক্রিরজ	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamps find the Stamps of the 132140 Paniput Ratinary (I.O. Standard 132140	Month Day Year
	Type Wall cooknowledgement of receipt of Waste	s ·
15	Signature Signature	Month Day Year 10 2023
	Received self-stration for receipt of hazardous and	The state of the s
16	Name and stamp	Month Day Year

[See rule 19 (1)]

MANIFEST FOR HAZARDOUS AND OTHER WASTE

3709

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	37-09
4	Transporter's name and address : (including Phone No. and e-mail)	Lined what MIS, My lay notayon Poly Ch.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	UP1374852
8	Receiver's name & mailing address (Including Phone No. and e-mail)	PWO-42 5, KANDRA GOVING pur should
9	Receiver's authorization No.	75908/HO/RMC/HWM-1005212 2021/23
10	Waste Description and S.2 (Sch-I)	wastes / Residuet containing all
11	Total quantity No. of Containers	40.42 m'or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	USE PPE'S.
14	Sender's Certificate TILAK SINGH TILAK SINGH (PRINTING COLUMN	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: (10 Signature	Month Day Year 2023
	Transport action Regigement of receipt of Waste	95
15	Name Bankad Signature	Month Day Year
	Receiver to the for receipt of hazardous and	
16	Name a samp: Signature	Month Day Year
	Sender copy	y to be sent to SPCB

[See rule 19 (1)]

3710

H	Sender's name and mailing address (including	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX,
1	Phone No. and e-mail)	BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3710
4	Transporter's name and address : (including Phone No. and e-mail)	Whederphy Mr. acity norroyan Physican
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR45 C2215
8	Receiver's name & mailing address (Including Phone No. and e-mail)	MIS. Nilay nonayon porychember 0-167 PINO-445, KANDRA GOVINDON, Dhomber TSPCO/HOIRNC/HWM-10052121/ 2021/23
9	Receiver's authorization No.	759CB/HOLRNC/HWM-10052121/
10	Waste Description 45.2 (JchI)	wasted Residues containing al
11	Total quantity No, of Containers	32.89 m³orMT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use PRESS.
4	Sender's Certificate President first Titles (Section 5.)	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and standported (act at the pignature Panipat Refinery (LO.C.L.) Panipat-132140	Month Day Year Day Year 2 2 3
	Transporter acknowledgement of receipt of Wast	tes
5	Name an Police Signatural Signatura Signatural Signatura Signatural Signatural Signatural Signatural Signatural Signatura Signatur	Month Day Year
	Received bertification for receipt of hazardous an	
6	Signature Signature V	Month Day Year 2 - 23
B	Sender cor	ov to be sent to SPCB

[See rule 19 (1)]

3711

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3711
4	Transporter's name and address : (including Phone No. and e-mail)	Lined play MIS. Nillay narayour poly ober
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR5869826
8	Receiver's name & mailing address (Including Phone No. and e-mail)	Ms. Hilaymonayon polychent cp p-167.
9	Receiver's authorization No.	TSPOB 1 HO/RNC1 HWM-10052121
10	Waste Description cot 5.2 (Sch-I)	Waster/Residues containing all.
11	Total quantity No. of Containers	40.55 mor MT
12	Physical form	(Solid/Semi-Solid/Sludge/Olly/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	USE PPENS.
14	Sender's Certificate (from world)	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 2 6 2 9 2 3
	Transporter Transporter of receipt of Waste	P.S
15	Name and Samp: Signature Sharibad	Month Day Year
	Receiver's Contenting of receipt of hazardous and	d other waste
16	Name of the state	Month Day Year 7 2 6 2 0 2 3
	Sender copy	y to be sent to SPCB

[See rule 19 (1)]

3712

-	Sender's name and mailing address (including	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX,
1	Phone No. and e-mail)	BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3712
4	Transporter's name and address : (including Phone No. and e-mail)	Lined up by mis Nilly narwyan Poly Chem.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR 58 B 8152
8	Receiver's name & mailing address (Including Phone No. and e-mail)	MIS Niley Naryan Poly Chem. LLP, D-167 P.NO: - 4E 5 KANDRA, Growindous Dhanber JSPCB/HO/RNC/HUM - 10052121/ 2021/23 Wastey/Residues Containingoil.
9	Receiver's authorization No.	JSPCB/HO/RNC/HWM-10052121/ 2021/23
10	Waste Description Cat 5-2 Sch (2)	wastes / Residues Containingoil.
11	Total quantity No. of Containers	32,36 m³ or MT Nos.
12	Physical form	(Solid/Semi-Solld/Sludge/Olly/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	USE PPE'S
14	Sender's Certificate (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year
	Trapporter Schnowledgement of receipt of Waste	
5	N Signature	Month Day Year
T.	Received secriffication for receipt of hazardous and	I other waste
0	Name and stamp: Signature	Month Day Year
T	101	to be sent to SPCB

[See rule 19 (1)]

3713

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	37/3
4	Transporter's name and address : (including Phone No. and e-mail)	Lined up by m/s Nily Maryon foly Chen
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR 45 C 5805
8	Receiver's name & mailing address (Including Phone No. and e-mail)	P.ND 42 5. KANDRA GOVINDAS Dhanks
9	Receiver's authorization No.	PAN 42 5. KANDRA GOVINDONS Dhamber JSPCB/HO/RNE/HWM-10052121/ 2021/23 Wasteld / Tradidues Containingoil
10	Waste Description cet 5・2 s(h・圧)	wastell / Trasidues Containingoil
11	Total quantity No. of Containers	23-75 m³ or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	USE PPE'D
4	Sender's Certificate (ST 201 1500) (ST 201 1500) (ST 201 1500) (ST 201 1500) (Managor (1155E) (M	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
1	Name and stamp: Signature	Month Day Year
Ĭ	Transporter asknowledgement of receipt of Waste	es
5.	Mumb and stands Signature Signature	Month Day Year 10 26 2023
1	leceive s remocration for receipt of hazardous and	
	Dhansau	Month Day Year
		y to be sent to SPCB

Indian Oil Corporation Limited

Panipat Refinery & Petrochemical Complex Form-10

[See rule 19 (1)]

3714

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3714
4	Transporter's name and address : (including Phone No. and e-mail)	Lineal UP by M/S Nily Nazyan Poly che
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR 45C 9618
8	Receiver's name & mailing address (including Phone No. and e-mail)	MIS NIJay Naman Poly Chem LLP, D- PND. UR 5, KANDRA, GODINDPUR, Dhanba JSPC B/HO/RNC/HWM - 10052121/
9	Receiver's authorization No.	2021/26
10	Waste Description out 5 - 2 Sch. (T)	wastels Residues Comamingail
11	Total quantity No. of Containers	24+57 m³ or MT
2	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
3	Special handling instructions and additional information	VSE PPE'S
4	Sender's Certificate ori gram for car d pheoral Vorma Managor (1 SSE)	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations:
201	Name and stamp: Signature	. Day Year
	Transporter acknowledgement of receipt of Waste	es Day Year
5	Name and compos	Month Day 1681 3 1 0 2 3
1	Receiver's corningation for receipt of hazardous and	other waste Day Year
5	Name and stamp	Month 2023
-	Sender copy	y to be sent to SPCB

[See rule 19 (1)]

3715

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2		HWM/PIT/2023/43775413
3	Manifest Document No.	3715
4	Transporter's name and address : (including Phone No. and e-mail)	mis Sai Waste Management
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	MES GIT 16 AV 9029
8	Receiver's name & mailing address (Including Phone No. and e-mail)	Bangur City Rajestian. RPCB/HWM/2020-2027/CPM/H80/6
9	Receiver's authorization No.	RPC8/HWM/8020-2027/CPM/H80/6
10	Waste Description	Only sludge (Chemical Slude
11	Total quantity No. of Containers	24.510 m*orMTNos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	oily studge USE PPE'S
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamphon on C. Signature	Month Day Year 1 0 2 6 2 3
	Tran South A Street Medgement of receipt of Waste	is:
15	Name ar Distance Estate At. Po. Mpl Name ar Distance Estate At. Po. Mpl Bharuch, Gujrat Bharuch Mob. 9824544439, 092325	Month Day Year / / / / / / / / / / / / / / / / / / /
_	Receiver's cartification for receipt of hazardous and	other waste
	Name Appr stamp: Signature	Month Day Year

Sender copy to be sent to SPCB



[See rule 19 (1)]

3716

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
	Sender's authorization No.	HWM/PIT/2023/43775413
2	STEEDOWARD COOK OF COMMENT	3716
3	Manifest Document No.	m/s Sai waste management
4	Transporter's name and address : (including Phone No. and e-mail)	
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	0 - 4 04 4538
7	Vehicle registration No.	MIS Shaee Cemet Ltd.
8	Receiver's name & mailing address (Including Phone No. and e-mail)	RPCB/HWM/2020-2027/CPM/
9	Receiver's authorization No.	RPCB/HWM/2020-2027/CFM/
10	Waste Description	oily studge (chemical)
11	Total quantity No. of Containers	26. 19.0 mm or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Sludge
13	Special handling instructions and additional information	USE PPE'S
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature Name and stamp: MANAGEMENT Co.	Month Day Year
	BAI WAS TO THE TO A THE STATE OF WAST	res .
15	Name applications Bharuth, Gujrat-393001/ Name applications Bharuth, Gujrat-393001/ Name applications Bharuth, 98245@gaature Mob. \$824544578, 98245@gaature pramod@perogrine.co.ip	Month Day Year 1 0 2 6 2 0 2 3
	Receiver sperdification for receipt of hazardous an	d other waste.
16	Name and stamp: Signature	Month Day Year 2023

[See rule 19 (1)]

3718

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3718
4	Transporter's name and address : (including Phone No. and e-mail)	Gined up by mis, Nilay notayous Polyshem U. P.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR45C 9618
8	Receiver's name & mailing address (Including Phone No. and e-mail)	PINO: 425 KANDRA. Govind pur. Dhanbat
g	Receiver's authorization No.	75108/HO/RNC/HWM-10052121/ 2021/23
10	Waste Description Cat 4:1 Ich(I)	, Oily Studge (Residual).
11	Total quantity No. of Containers	23-73 m³ or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use PPE=s.
14	Sender's Certificase crist VI peurs (pur pri VI peurs (pur peurs (pur pri VI peurs (pur peurs	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable
	Name and stamp: Signature	national government regulations. Month Day Year 1 1 0 3 2 0 2 3
15	Name and starop	es
16	Receive Consider for receipt of hazardous and Name Stamp	Month Day Year Onto : 1 /
	Sender cop	Py to be sent to SPCB

[See rule 19 (1)]

3719

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3719
4	Transporter's name and address : (including Phone No. and e-mail)	MIS. M.P. Quelet resules Whea up by MIS. Bremier Refrectory.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	C404 PC6170
8	Receiver's name & mailing address (Including Phone No. and e-mail)	PLANE 4152013 NKJ KATNI MUDNONA
9	Receiver's authorization No.	AWH-56405
0	Waste Description	Spent Costalyet, (Chloride Gound)
1	Total quantity No. of Containers	24.81 m³ or MT Nos.
2	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
3	Special handling instructions and additional information	use pper.
4	Sender's Certificaten and state of the send of the sen	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year O 3 20 23
	TrM:PorQUIDIONECIENTEDE of receipt of Wast	tes
5	Name And Fram D. Dobit-110042 Signature E-mail: mpquick3333(ggmail.com	Month Day Vear
	Receiver's certification for receipt of hazardous ar	nd other waste
6	Name and stamp: Signature Premier Refractories of India Park Land	Month Day Year
	New Katni, Jin., P.O. Box No Sender cop	py to be sent to SPCB

(See rule 19 (1))

3720

MANIFEST FOR HAZARDOUS AND OTHER WASTE

		THE PARTY OF THE P
1	Sender's name and mailing address (including Phone No. and e-mail)	BAHOLI, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3720
4	Teammeter's name and address :	MIS. Premier Refractory.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	6904 PE 9570
8	Receiver's name & mailing address (Including Phone No. and e-mail)	MISI from on Refracteny of Endla Pute Plot No. 4152 Phip NKJ KAT NE, MUDI
9	Receiver's authorization No.	AWH-56405
10	Waste Description	Spent Catalyst Crowchlander
11	Total quantity No. of Containers	22.75 m³orMT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	US EPPE'S.
14	Sender's Certification कार्या प्रतेषक (एवं एटं ई) Dimerial Verma Hanoger (H.S&E) प्रतेषक रिकारित (कां ओक्रीएक) १३३४० Paripat Refrest (RO.C.L.) 132143	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year
1	Transporter acknowledgement of receipt of Wast	es
5	Namerandes Refractories of India Pyr. Ltd. New Katni, Jn., P.O. Box No. 9. Katni-483501 (M.P)	Month Day Year 1 1 0 9 □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
	Receiver's certification for receipt of hazardous an	d other waste
6	Name and stamp: Signature By to	Month Day Year 1 1 0 9 2 2 2 9

Authorisen der sopy to be sent to SPCB

Indian Oil Corporation Limited

Panipat Refinery & Petrochemical Complex Form-10

(See rule 19 (1))

3721

	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	37-21
	Transporter's name and address : (including Phone No. and e-mail)	Lined Joby MIS. Alilay notayous
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
5	Transporter's registration No.	
7	Vehicle registration No.	HR45C 5805
1	Receiver's name & mailing address (Including Phone No. and e-mail)	Mr. Niloynarayan Polychemble p-16 RINO -445, KANDRA, Govindbur, Dhombo
3	Receiver's authorization No.	JSPC B HO/RNC HWM-1005212
0	Waste Description	Only Slydge (Residual)
1	Total quantity No. of Containers	23.72 m³ or MT
2	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
3	Special handling instructions and additional information	USEPPEIS,
14	Sender's Certificate খ্যান্ত বা বা বা বা চুটাৰা (এই এই বুঁ) Discorn) Verma Manager (14,5%E) আইজা বিভাগে (এই এইছেন) (১৯৮৪ Pangui বিভাগে (এই এইছেন) (১৯৮৪	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year
	Transported and woodgement of receipt of Was	ites
5	Name Signature	Month Day Year
	Receiver's certification receipt of hazardous a	nd other waste
6	Name and street Chanbad Signature	Month Day Year
		py to be sent to SPCB

[See rule 19 (1)]

3722

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	37-22
4	Transporter's name and address: (including Phone No. and e-mail)	Wheel up to y mis. Miley normy on Poly & hen LL P.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR45 C5805
8	Receiver's name & mailing address (Including Phone No. and e-mail)	MIS Not lay narry among chemil PD-117 1.Me-445_ KANDRA, Govind pur Dhan
9	Receiver's authorization No.	759001HO1RMC/HWM-10052
10	Waste Description	Oily sludge cresiduals
11	Total quantity No. of Containers	26143 m³ or MT Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Olly/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	USE PPE-1.
14	Sender's Certificate () তাল পালে হী তালিকার প্রকাশ বিশ্ব চালিকার (প্রকাশ বিশ্ব (১০১৮) ব্যক্তির বিশ্ব বিশ্ব বিশ্ব Page Liney (১০১১) 132140	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year
	Transporter acknowledgement of receipt of Wast	tes
5	Name namp: Signature Ohanbad on Signature	Month Day Year 117 2 2 9 2 9
	Receive (Cartification for receipt of hazardous an	nd other waste
6	Name a Stamp Signature Dhanbad o	Month Day Year

[See rule 19 (1)]

3723

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	37-23
4	Transporter's name and address: (including Phone No. and e-mail)	Greensup By mys. wif c-ynonayou
5	Type of vehicle	(Truck/Yanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR4585871
8	Receiver's name & mailing address (Including Phone No. and e-mail)	P. Mo-425 KANDRA Gould by Dhamba
9	Receiver's authorization No.	JSPCB/HOLRNO) HWM-1005212
10	Waste Description	Orly sundy a chest dues)
11	Total quantity No. of Containers	28+Z3 m³ or MT
12	Physical form	(Solid/Seml-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	USE PRES.
14	Sender's Certificate \$\frac{\chi_{1} \chi_{1} \chi_{1} \chi_{1} \chi_{1} \chi_{1}}{\chi_{1} \chi_{1}	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable mational government regulations.
	Name and stamp: Signature	Month Day Year
	Transporter of world wast	es
15	Name and stamp: Signature	Month Day Year
	Receiver's certification receipt of hazardous an	
16	Name and stamp: Signature	Month Day Year

[See rule 19 (1)]

3724

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3724
4	Transporter's name and address : (including Phone No. and e-mail)	Gudiphy my s. out lay moray -
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
5	Transporter's registration No.	
7	Vehicle registration No.	PRASARDED
3	Receiver's name & mailing address (Including Phone No. and e-mail)	PBOSAF7878 MIS. Nillay Mayor Roly a tem ELP, PHOT, Parto-465, KANDRA GOVINTON, Ohombada
;	Receiver's authorization No.	JSPCB/ HO/ RNC/14WM-10052/21/2021
0	Waste Description	5º pent costalyet (800)
1	Total quantity No. of Containers	2 > 66 m³ or MT
2	Physical form	(Solld/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
3	Special handling instructions and additional information	USE PPE-42.
4	Sender's Certificate place আৰু place (pd एस स्) Discord Vorma flamshe (th certif) place (red certif) partial (red certif) partial listers (OCCL) (1814)	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to a second
	Name and stamp: Signature	Month Day Year
	Transporter acknowledgement of receipt of Wast	tes
	Name and stamp? Signature	Month Day Year
	Receiver certification for receipt of hazardous an	nd other waste
	Name and stamp Signature	Month Day Year
	101 131	py to be sent to SPCB

(See rule 19 (1))

3725

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	8725
4	Transporter's name and address : (including Phone No. and e-mail)	Linesuppy Mr Milaynosayonfolyche
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	UP12CT 0147
8	Receiver's name & mailing address (Including Phone No. and e-mail)	PIMOTY RE KAND RA, GOVE HOPUR DAMING PIMOTY RE KAND RA, GOVE HOPUR DAMING PETS POBL HOLKHOI HWM-100 521
9	Receiver's authorization No.	-202//23
10	Waste Description	S. pent Catalyst (F.al.)
11	Total quantity No. of Containers	2 8+38 m³ or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
3	Special handling instructions and additional information ভারন বলা	USE PPES.
4	Sender's Certificate (104 (10 (2)) District Various Live 10 (10 (2)) Control (10 (2) (10)) Control (2) (2) (2) (2) Parquities only (4,6,6,1,7) (17) Parquities only (4,6,6,1,7) (17)	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year
Š	Transporter acknowledgement of receipt of Waste	es
5	Name and stamp: Signature	Month Day Year
	Receiver's certification for receipt of hazardous and	d other waste
6	Name and stamp Signature	Month Day Year
	We to see	y to be sent to SPCB

[See rule 19 (1)]

3726

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3726
4	Transporter's name and address : (including Phone No. and e-mail)	Nilaly Narayan Polychem
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	* · ·
7	Vehicle registration No.	HR58C7023
8	Receiver's name & mailing address (Including Phone No. and e-mail)	Mrs Nilay Narongan Polychur
9	Receiver's authorization No.	JSPCB/HO/RNC/HWM-10052121, 2021/23
10	Waste Description	waste/Residues contaminated a
11	Total quantity No. of Containers	31:15 Mor MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	use pres
14	Sender's Certificate of Rungol 20140	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and Stamps Signature	Month Day Year 2 1 2 2 2 2 2
	Transporter acknowledgement of Waste	5
15	Name and stamps	Month Day Year
	Receivers confication for receipt of hazardous and	other waste
16	Name and stamp: Signature	Month Day Year 22 22 223

[See rule 19 (1)]

3727

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	37.27
4	Transporter's name and address: (including Phone No. and e-mail)	Nilay Narrayan Polychou
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
5	Transporter's registration No.	
7	Vehicle registration No.	HR58 C 905 0
8	Receiver's name & mailing address (Including Phone No. and e-mail)	10% Niby Narayan Psychem Lp
9/	Receiver's authorization No.	JSPCB/HD/RNC/HWM-10052121/
0	Waste Description	waste Residue contaminated of
1	Total quantity No. of Containers	38·79 mos.
2	Physical form	(Solid/Semi-Solid/Sludge/Oliy/Tarry/Slurry/Liquid)
3	Special handling instructions and additional information	use pres
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamphing Receipt of Was	Month Day Year 1 1 2 2 2 2 3
	Transporter acknowledgement of transporter acknowledgement at receipt of Was	tes
5	Name and stamp:	0 11 Day Year 22 2023
	Receiver sterrification for receipt of hazardous as	
6	Name and stamp: Signature	Month Day Year 2023
	Sender co	py to be sent to SPCB

[See rule 19 (1)]

3728

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3728
4	Transporter's name and address : (including Phone No. and e-mail)	Nilony Narroyan Polychon Lip
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	HR58C6358
7	Vehicle registration No.	
8	Receiver's name & mailing address (Including Phone No. and e-mail)	kandra govindpur Dhanbad
9	Receiver's authorization No.	JSPCB/HOI RNC/HWM-10052121/
0	Waste Description	maste Restalue conforminated al
1	Total quantity No. of Containers	35.31 prormt
2	Physical form	(Solid/Semi-Solid/Sludge/Olly/Tarry/Slurry/Liquid)
3	Special handling instructions and additional information	use ppels
**	Sender's Certificate Porn la la parver de la	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: "Tonk Signature Signature	Month Day Year
	Transporter acknowledgemen of receipt of Wast	es
5	Name and stamp:	Month Day Year 2 2 2 2 2 2 2
	Receiver scertification for receipt of hazardous and	d other waste
5	Name and Hamps: Signature	Month Day Year 22 2
	Sender con	ry to be sent to SPCB

(See rule 19 (1))

3729

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	0.5
4	Transporter's name and address : (including Phone No. and e-mail)	God up mes. Allide Industries
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
5	Transporter's registration No.	
7	Vehicle registration No.	RJ11680927
8	Receiver's name & mailing address (Including Phone No. and e-mail)	RJIIGBO927 MJ-AIITED Industrian, Making DUTTION Arsgm.
9	Receiver's authorization No.	WB10TWA1HW-351/20-21/129
10	Waste Description C + S-1 (Sch-±)	Used Ispert oil (VIR)
1	Total quantity No. of Containers	13:59 m³ or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use PPEIS.
4	Sender's Certificate effects and in the sender of the send	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year
22	Transporter acknowledgement of receipt of Wastes	
5	Name and stamp: Alled Indianting	Month Day Year
	Receiver's centification for receipt of hazardous and	other waste
6	Name and stamp: Hogy sterial 9fe	Month Day Year
	Propriesor Sender copy	to be sent to SPCB

[See rule 19 (1)]

3730

2	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	97 2 3770
4	Transporter's name and address : (including Phone No. and e-mail)	Lindrygby MJ. Arkam Endustries.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
2	Vehicle registration No.	HR45C5805
8	Receiver's name & mailing address (Including Phone No. and e-mail)	REDCO Inherridance Tenocco El all 1
9	Receiver's authorization No.	RPaB/HWM/2023-2024/HSW/
10	Waste Description	Spent catalyst (NHT+ANSING
1	Total quantity No. of Containers	11.91 (5-41+6.5) m³ or MT NHT _SULPHUR Nos. (Solid/Semi-Solid/Sludge/Oily/Tarry/Slurgy/Newid)
2	Physical form	(Solid/Semi-Solid/Sludge/Olly/Tarry/Slurry/Liquid)
3	Special handling instructions and additional information	cuselles.
4	Sender's Certificate (cor sport spor	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
1	Name and stamp: Signature	Month Day Year
1	Transporter acknowledgement of receipt of Waste	25.
1	Name and stamp: Signature Raylery Coun	
	Receiver's certification for receipt of hazardous and	other waste
	Name and stamp: Signature Rounds Sycke	Month Day Year

[See rule 19 (1)]

3731

1	Sender's name and mailing address (including	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
33	Phone No. and e-mail) Sender's authorization No.	HWM/PIT/2023/43775413
2	AND REAL PROPERTY AND ADDRESS OF THE PARTY O	373 \
4	Manifest Document No. Transporter's name and address: (including Phone No. and e-mail)	Nilay Narayan Polychem LLP
s	Type of vehicle	(<u>Truck</u> /Tanker/Special Vehicle)
5	Transporter's registration No.	
7	Vehicle registration No.	HR4SD6078
8	Receiver's name & mailing address (Including Phone No. and e-mail)	Nullay Narrayan Polyetrem LLP D-167 Kandra, Dhan bad Jhar
9	Receiver's authorization No.	JEPCB/140/ RNC/1420 - 10052121/
0	Waste Description	Process Residue.
11	Total quantity No. of Containers	4-0 - 5 1 m/or MT
2	Physical form	(Solid/Semi-Solid/Sludge/Olly/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	use PPG's
14	Sender's Certificate	I hereby declare that the contents of the consignment are full and accurately described above by proper shipping name and ar categorised, packed marked, and labelled, and are in all respect in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 1 1 2 4 20 2 3
	Transporter acknowledgement of seceipt of Was	
15	Name and stamp: Signature i	Month Day Year 24 9-023
T	Receiver Certification for receipt of hazardous/a	
16	Name and Stamp: Signature	Month Day Year 2029

[See rule 19 (1)]

3732

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	37-82_
4	Transporter's name and address : (Including Phone No. and e-mail)	Nilay Narayan Polychem Lip
S	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR45B 5871
8	Receiver's name & mailing address (Including Phone No. and e-mail)	Nilary Naroyan Polychem LLP D-167 Gendra Duambad Thark JSPCB/HO/RNC/Hom-10052121/ 2024/23
9	Receiver's authorization No.	JSPCB/HO/RNC/HOM-10052121/
10	Waste Description	Process Restolue
11	Total quantity No. of Containers	27 · 41 / or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	use ppels
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 11 1 2 4 2 0 2 3
	Transporter acknowledgement of records of Wast	es
15	Name and stamp:	Month Day Year 2 4 2 10 2 3
	Receiver's certification for receipt of hazardous an	
16	Warne and stamp: Signature	Month Day Year 11 24 9 9 9 3
	Sender cop	y to be sent to SPCB

(See rule 19 (1))

3733

Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
Sender's authorization No.	HWM/PIT/2023/43775413
Manifest Document No.	3733
Transporter's name and address : (including Phone No. and e-mail)	Nilay Marayan Polychem
Type of vehicle	(Truck/Tanker/Special Vehicle)
Transporter's registration No.	
Vehicle registration No.	HR58C6358
Receiver's name & mailing address (Including Phone No. and e-mail)	Nilay Narayan Potychem Lip D-167 Kandra Dhanbad.
Receiver's authorization No.	JSPCB/HO/RNC/HWM -1005212/
Waste Description	Residual studge
Total quantity No. of Containers	26.58 NorMT
Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
Special handling instructions and additional Information	USR PPE'S
Sender's Certificate Only Company Particular Partic	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
Name and stamp: Continuor Signature	Month Day Year 111 29 223
Transporter acknowledgement of receipt at Wast	tes
Name and stamp: Signature Signature	Month Day Year 11 1 29 2023
Recuipe 6 certification for receipt of hazardous an	nd other waste
Name and stamped Signature	Month Day Year 2027
	Phone No. and e-mail) Sender's authorization No. Manifest Document No. Transporter's name and address: (including Phone No. and e-mail) Type of vehicle Transporter's registration No. Vehicle registration No. Receiver's name & mailing address (including Phone No. and e-mail) Receiver's authorization No. Waste Description Total quantity No. of Containers Physical form Special handling instructions and additional information Sender's Certificate Name and stamp: Signature Transporter acknowledgement of receipt of Masardous and Name and stamp: Signature Receiver of the property of the p

[See rule 19 (1)]

3734

1	Sender's name and mailing address (including	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Phone No. and e-mail) Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3734
4	Transporter's name and address : (including Phone No. and e-mail)	Nilay Narayan Polycheu
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	N HRSBC9050
8	Receiver's name & mailing address (Including Phone No. and e-mail)	D-167 kandra Dhanbad
9	Receiver's authorization No.	JESPEB/HO/RNC/HWM-10052121/2021-20
10	Waste Description	Residual Sludge
11	Total quantity No. of Containers	27.29 Mor MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use PPE'S
14	Sender's Certificate Removed Frankel Summer School Parkel	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
1	Name and stampe to the contraction of the state of the st	Month Day Year
	Transporter acknowledge Transporter acknowledge Transporter acknowledge	ites
15	Name and sturip:	Month Day Year 11 29 2023
	Receiver's certification for receipt of hazardous a	nd other waste
16	Name and starge: Signature	Month Day Year 2 2 2 3
	Out way	uny to be cent to SDCR

[See rule 19 (1)]

3735

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3735
4	Transporter's name and address : (including Phone No. and e-mail)	m/s Barnel Supply
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
5	Transporter's registration No.	HR382 3773 4
7	Vehicle registration No.	HR69B8063
8	Receiver's name & mailing address (Including Phone No. and e-mail)	Ploto 1671 HSIIDE Somipal
9	Receiver's authorization No.	HWU/10N/2022/26217740
10	Waste Description	Plastic Drum
11	Total quantity No. of Containers	254 + 222 m²orMT - 476 Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Olly/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use ppuls
14	Sender's Certificate Ornor Grant Gr	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp! Of the Control Signature Standard Property Control Signature Transporter acknowledgement of receipt of War	Month Day Year 11 1 29 28
	Transporter acknowledgement of receipt of the	TY CO
15	Name and stamp: PLO PROPERTY OF PLOT O	S
	Receiver's certification for receipt of hazardous a	nd other waste
16	Name and stamp: Signature	Month Day Year

[See rule 19 (1)]

3736

Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
Sender's authorization No.	HWM/PIT/2023/43775413
Manifest Document No.	3736
Transporter's name and address : (including Phone No. and e-mail)	Niby Narayan Polychem Lip
Type of vehicle	(Truck/Tanker/Special Vehicle)
Transporter's registration No.	
Vehicle registration No.	PBOSAF7878
Receiver's name & mailing address (Including Phone No. and e-mail)	Nilay Narayan Polychem LLP D-167 Leanarra Dhanbad Tharks
Receiver's authorization No.	JSPCB/HO/RNC/HWM-10052121
Waste Description	Process Residue
Total quantity No. of Containers	40.95 pf or MT
Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) granual solvol.
Special handling instructions and additional information	use PPEIS
Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
Name and stamp: Signature	Month Day Year 12 2023
Transporter acknowledgement of receipt of Was	tes
3 3	Month Day Year 1 2 D 2 2 0 2 3
Name of Stimp Signature	Month Day Year 12 2023
	Phone No. and e-mail) Sender's authorization No. Manifest Document No. Transporter's name and address: (including Phone No. and e-mail) Type of vehicle Transporter's registration No. Vehicle registration No. Receiver's name & mailing address (Including Phone No. and e-mail) Receiver's authorization No. Waste Description Total quantity No. of Containers Physical form Special handling instructions and additional information Sender's Certificate Name and stamp: Signature Transporter acknowledgement of receipt of Wasten Name and stamp: Receiver's pertification for receipt of hazardour and stamp: Receiver's pertification for receipt of hazardour and stamp:

[See rule 19 (1)]

3737

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3737
4	Transporter's name and address : (including Phone No. and e-mail)	Nilay Narayan Polycham Us
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HRS8 C7023
8	Receiver's name & mailing address (Including Phone No. and e-mail)	D-167 leaves Dhambad Thanking
9	Receiver's authorization No.	JEPUS/HO/RNC/Hum-10052121/
10	Waste Description	Process Residue
11	Total quantity No. of Containers	39.44 A or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use PPELL
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: (Signature	Month Day Year 1 2 0 2 3
9	Transporter acknowledgement of cerpt of Waste	25
15	Name and stamp:	Month Day Year 12 02 7-23
	Receiver's certification for receipt of hazardous and	
16	Signature Signature	Month Day Year 12 2 2 2 2 3
	Sender copy	to be sent to SPCB

[See rule 19 (1)]

3738

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3466
4	Transporter's name and address : (including Phone No. and e-mail)	Nitay Narrayon Polychem LLP
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR58C1456
8	Receiver's name & mailing address (Including Phone No. and e-mail)	D-167 Learnages Dhanbad Short
9	Receiver's authorization No.	JSP43/HO/RNG/HWM-10052121/
10	Waste Description	Process Restalle
11	Total quantity No. of Containers	39:44 38:16 Nor MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	granual solid Use ppels
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamps of the Signature	Month Day Year 1 2 0 2 2 2 3
	Transporter acknowledgement of receipt of Was	
15	Name and stamp:	Month Day Year 12 2 2 2 2 3
	Receiver's certification for receipt of hazardous a	
16	Name and startip: Signature	Month Day Year 12023
	Sender co	py to be sent to SPCB

[See rule 19 (1)]

3739

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3739
4	Transporter's name and address : (including Phone No. and e-mail)	Linday by M15 Milaynarayan
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
5	Transporter's registration No.	
,	Vehicle registration No.	HR58C6358
3	Receiver's name & mailing address (Including Phone No. and e-mail)	HR 58 C 63 S 8 MIS. Nilay non ayong flory chember p-167, KANSRA, Ohombad, Think hand JSPCB HO RNG HWM - 100521. 2021 123
9	Receiver's authorization No.	JSPCB HO RNG HWM- 100521
0	Waste Description	Only Sluge (Rividual)
1	Total quantity No. of Containers	30,77 m³orMT Nos.
2	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
3	Special handling instructions and additional information	Use Ples.
4	Sender's Certificate (From Cert) Otherop Verma Manager (11 SAE) Manager (11 SAE) Manager (11 SAE) Manager (11 SAE) Parisa Rainery (O.G.L.) 132149	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respect in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year
	Transporter acknowledgement of receipt of Was	tes
5	Name and stain (Onanda) Signature	Month Day Year 1 2 0 5 2 = 3
	Receiver's certification for receipt of hazardous as	nd other waste
6	Name and stamp: Signature	Month Day Year
	Sender co	py to be sent to SPCB

[See rule 19 (1)]

3740

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3740
4	Transporter's name and address : (Including Phone No. and e-mail)	Linduphy M Js. Hilay rangom Polychem LLP.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR58C9050
8	Receiver's name & mailing address (Including Phone No. and e-mail)	MIr. Milmynamyon Edychem LLP D-167. Pino 4des KANDRA Ind. Aren Govern d ten Dhomb
9	Receiver's authorization No.	JSPCB HO/RNC/HWM-10052121/2
10	Waste Description	Oily Sludge Crowney
11	Total quantity No. of Containers	27 · 53 m'or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use PPES.
14	Sender's Certificate or stall Manager Island Stall Certificate Sender Between (DCL) (SQUIII) Sender Between (DCL) (SQUIII)	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year
	Transporter acknowledgement of receipt of Was	ites
15	Name and strong Signature Signature	Month Day Year
	Receiver's certification for receipt of hazardous a	nd other waste
16	Name and stamp and Pop Signature	Month Day Year

[See rule 19 (1)]

3742

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3742_
4	Transporter's name and address : (including Phone No. and e-mail)	Nilay Narayan Potychem UP
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR5883168
8	Receiver's name & mailing address (Including Phone No. and e-mail)	Nilay Narayan Folgehem LLP D-167 leanders Dhambad Tharley JSPCB/HO/RNC/Horn-10052121
9	Receiver's authorization No.	2021/23
10	Waste Description	Process Restolve
11	Total quantity No. of Containers	35.30 or MT Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oilly/Tarry/Slurry/Liquid) granual solid
13	Special handling instructions and additional information	USE PPELS
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: O Signature	Month Day Year 1 2 0 7 20 23
	Transporter acknowledgement of receipt of Wast	es
15	Name and stamp: Dh Signature	Month Day Year
	Receiver's certification for receipt of hazardous an	
6	Name and stamp: Signature	Month Day Year 7 2 2 3

[See rule 19 (1)]

3743

	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3443
	Transporter's name and address : (including Phone No. and e-mail)	Nilay Narrayan Polychem LLP
	Type of vehicle	(Truck/Tanker/Special Vehicle)
3	Transporter's registration No.	
ı	Vehicle registration No.	HRS883807
	Receiver's name & mailing address (including Phone No. and e-mail)	D-167 learned to Dhambad Thank
	Receiver's authorization No.	JEPCR/HO/RNC/HOM -10052121/
3	Waste Description	Process Recodure.
	Total quantity No. of Containers	
	Physical form	(Salid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) 9000000 SS/rel.
E	Special handling instructions and additional information	granual solvel. Use PPE's
Mose	Sender's Certificate Romber 1 Romber 1 Romber 1 Romber 2 Romb	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp; Signature	Month Day Year 12023
Ī	Transporter acknowledgement of decelet of Wast	es
	Name and Stampi	Month Day Year 12 07 9023
R	eceiver's certification for receipt of Hazardous an	
	Name and stamp: Signature	Month Day Year 12 07 24023
	Sender cop	by to be sent to SPCB

[See rule 19 (1)]

3744

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3744
4	Transporter's name and address : (including Phone No. and e-mail)	Nilay Narayan Polychem Up
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR4509618 ,
8	Receiver's name & mailing address (Including Phone No. and e-mail)	Nilay Narrayan Polycheu CLP
9	Receiver's authorization No.	JSPCB/HO/RNC/HW105-10052124/
10	Waste Description	Process Residue
11	Total quantity No. of Containers	31.60 pf or MT
12	Physical form	(Salid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) granual sofrok
13	Special handling instructions and additional information	Use PPE's
14	Sender's Certificate Ord Ord Ord Ord Ord Ord Ord Or	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
ľ	Name and stampros Office (Standard Signature	Month Day Year
	Transporter acknowledgement of Proceeds of Wash	tes
15	Name and stamp:	Month Day Year
	Receiver s certification for receipt of historicous ar	nd other waste
16	Name and stamping Signature	Month Day Year

[See rule 19 (1)]

MANIFEST FOR HAZARDOUS AND OTHER WASTE

3745

1	Sender's name and mailing address (including phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
	Manifest Document No.	3745
4	Transporter's name and address : (including Phone No. and e-mail)	Nilay Narayan Polychem LLP
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR45C 5805
90	Receiver's name & mailing address (Including Phone No. and e-mail)	Nilay Narray am Polychem LLP D-167 Landra Dhambard
9	Receiver's authorization No.	JSPCB/HO/RNC/HWD -10052121/
10	Waste Description	Process Residue
11	Total quantity No. of Containers	33.49 Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	use ppels
14	Sender's Certificate Annie Maria Cara Cara Cara Cara Cara Cara Cara	I hereby declare that the contents of the consignment are full and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respect in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Other Pull Signature	Month Day Year 12 08 9023
ı	Transporter acknowledgement of receipt of Wast	es
15	Name and stamp: Signature	Month Day Year 12 2 3
ı	Receiver's certification for receipt of hazardous an	d other waste
16	Name and stomp: Signature	Month Day Year 12 08 2 2 3

[See rule 19 (1)]

3746

MANIFEST FOR HAZARDOUS AND OTHER WASTE

	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3746
A	Transporter's name and address . (including Phone No. and e-mail)	Nilay Narrayan Polychem LLp
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
б	Transporter's registration No.	
7	Vehicle registration No.	HR58C1456
8	Receiver's name & mailing address (Including Phone No. and e-mail)	Nilay Norrayan Polychem LLP D-167 Kandra Dhanbash
9	Receiver's authorization No.	JEPCB/HOIRNC/HWM-10052121/
10	Waste Description	Process Resider
11	Total quantity No. of Containers	07.83 or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Granual softal
13	Special handling instructions and additional information	use PPE'S
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year
	Transporter acknowledgement of receipt of Wastes	
15	Name and stamp: Signature	Month Day Year
5.2	Receiver's certification for receipt of hazardous	and other waste
16	Name and stamp: Signature	Month Day Year

[See rule 19 (1)]

3747

	and mailing address (including	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX,
1	Sender's name and mailing address (including Phone No. and e-mail)	BAHOLI, PANIPAT-132140. HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3747
4	Transporter's name and address : (including Phone No. and e-mail)	Nilay Namyan Potychem Uf
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR69E1005
8	Receiver's name & mailing address (Including Phone No. and e-mail)	Nilay Naroyan Polychem W D-167 loandra Dhanbash
9	Receiver's authorization No.	JSPCB/HO/RHC/HOM_10052121/
10	Waste Description	formess Recodus
11	Total quantity No. of Containers	26,58 pfor MT
12	Physical form	(Salid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	use press
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year
15	Transporter acknowledgement of receipt of Wast	tes
	Name and stamp: Signature	Month Day Year
	Receiver's certification for receipt of hazardous an	nd other waste
16	Name and stamp: Signature	Month Day Year

[See rule 19 (1)]

3748

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	37-48
4	Transporter's name and address : (including Phone No. and e-mail)	Nilay Naroyan Polychem LLP
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR58C7023
8	Receiver's name & mailing address (Including Phone No. and e-mail)	Nilay Naroyan Potychem LLP D-167 leandry Dhambad
9	Receiver's authorization No.	JSPCB/HO/RNC/HWM-10052124/
10	Waste Description	Process Recrolus_
11	Total quantity No. of Containers	32.51 ProrMT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use PPE'S
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 12023
	Transporter acknowledgement of receipt of Was	stes
15	Name and stamp: Signat@re	Month Day Year 7023
100	Receiver's certification for receipt of hazardous a	nd other waste
16	Name and stamp: Signature	Month Day Year 12 09 2023

LOLIN-TO

[See rule 19 (1)]

3749

1	Sender's name and mailing address (including Phone No. and e-mail)	BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3749
4	Transporter's name and address : (including Phone No. and e-mail)	Nilay Marayan folychow UP
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	HR69E9426
7	Vehicle registration No.	
9	Receiver's name & mailing address (Including Phone No. and e-mail)	D-167 Kandra Dhanbach.
9	Receiver's authorization No.	JSPCB/HD/RNC/HWM - 10052124/
10	Waste Description	frocess Residue
11	Total quantity No. of Containers	29.53 Afor MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	use PPE'S
14	Sender's Certificate	I hereby declare that the contents of the consignment are full and accurately described above by proper shipping name and an categorised, packed marked, and labelled, and are in all respect in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year
	Transporter acknowledgement of receipt of Was	stes
15	Name and stamp: Signafure	Month Day Year
	Receiver's certification for receipt of hazardous a	nd other waste
16	Name and stamp: Signature	Month Day Year
	Sender co	ppy to be sent to SPCB

[See rule 19 (1)]

3761

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3761
4	Transporter's name and address : (including Phone No. and e-mail)	Nilay Narayan Polychem LLP
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR69E1099
8	Receiver's name & mailing address (Including Phone No. and e-mail)	D-167 leardra Dhambad.
9	Receiver's authorization No.	JSPCB/HO/RNC/HWM-10052121/
10	Waste Description	Process Residue
11	Total quantity No. of Containers	34.83 of or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional	use pre's
14	Sender's Certificate And Signature	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	12 12 2023
	Transporter acknowledgement of receipt of Wastes	
15	Name and stamp: Signature	Month Day Year
	Revelver's contification for receipt of hazardous an	d other waste
16	Name and stamp: Signature	Month Day Year

[See rule 19 (1)]

3762

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	757462_
4	Transporter's name and address : (including Phone No. and e-mail)	Nilay Narayan Polyenem LLP
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	PBOSAFTETS
8	Receiver's name & mailing address (Including Phone No. and e-mail)	LLP D-167 kandra Dhanbal
9	Receiver's authorization No.	JSPCA/HO/PNC/HOM-10052121/ 2021/23
10	Waste Description	Process Rosedus.
11	Total quantity No. of Containers	-35.22 of or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	use ppels
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 12 2023
	Transporter acknowledgement of receipt of Wastes	
15	Name and stamp:	Month Day Year
	Receiver's certification for receipt of hazardous an	other waste
16	Name and stamp: Signature	Month Day Year

[See rule 19 (1)]

3763

ı	Sender's name and mailing address (including Phone No. and e-mail)	IOCL. PANIPAT REFINERY & PX-PTA COMPLEX. BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	5763
4	Transporter's name and address : (including Phone No. and e-mail)	Nilay Narayan Polychem up
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
ь	Transporter's registration No.	
7	Vehicle registration No.	HRSRC GBSR
8	Receiver's name & mailing address (Including Phone No. and e-mail)	Ms Nilay Marcyan Polychem LIP D-167 Legadore Dhamba D.
9	Receiver's authorization No.	JSPC13/Ho/RNC/HOM-10052121/
10	Waste Description	Process Reserve.
11	Total quantity No. of Containers	35.97 For MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Arasual Solid.
13	Special handling instructions and additional information	Use PPIEIS
14	Rankin Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 12 12 2023
	Transporter acknowledgement of receipt of Was	stes
15	Name and stamp. Signatura	Month Day Year 12 2023
	Receiver's certification for receipt of hazardous a	ne other waste
16	Name and stamp: Signature	Month Day Year 12 12 2023

Form-10 (See rule 19 (1))

3764

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
Z	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3961
4	Transporter's name and address : (including Phone No. and e-mail)	Nilay Narayan Polychem UP
S	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HRS8C9050
8	Receiver's name & mailing address (Including Phone No. and e-mail)	up D-167 Kandro Dhambad.
9	Receiver's authorization No.	JSPCB/HO/RNC/HUM - 10052121/ 2021/20
10	Waste Description	Process Restolue.
11	Total quantity No. of Containers	31.87 Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Uquid) Granual Solid.
13	Special handling instructions and additional information	Use PPELS
14	Parolui Jaway	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 1 2 2 2 3
	Transporter acknowledgement of receipt of Wastes	
15	Name and stamp: Signature	Month Day Year 12 2029
	Receiver's certification for receipt of hazardous an	nd other waste
15	Name and stamp: Signature	Month Day Year

[See rule 19 (1)]

MANIFEST FOR HAZARDOUS AND OTHER WASTE

3750

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3750
4	Transporter's name and address : [including Phone No. and e-mail)	Nilay Narrayan Polychem LLP
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
ō	Transporter's registration No.	HR58C9050
7	Vehicle registration No.	D-167 leandre Dhanbash
8	Receiver's name & mailing address (Including Phone No. and e-mail)	
9	Receiver's authorization No.	JEPCB/HO/ RNC/HWM-10052121/ 2021/23
10	Waste Description	Proces Residue.
11	Total quantity No. of Containers	38-17 prormt
12	Physical form	(Solid/Scmi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) 90000000 Solid
13	Special handling instructions and additional information	use ppels
44	Sender's Certificate Car	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respect in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 12 18 2023
	Transporter acknowledgement of receipt of Wastes	
15	Name and stamp: Signature	Month Day Year 18 2623
1/2-	Receiver's certification for receipt of hazardous as	nd other waste
16	Name and stamp: Signature	Month Day Year 18 2023
	Sender co	py to be sent to SPCB

[See rule 19 (1)]

3751

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3751
4	Transporter's name and address : (including Phone No. and e-mail)	Wilay Narayan Polychem up
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR5807023
8	Receiver's name & mailing address (Including Phone No. and e-mail)	Nilay Narayan Polychem Lyp D167 kandra Dhambach.
9	Receiver's authorization No.	JSPGB/HO/RNC/HWM-10052121/
10	Waste Description	Process Residue
11	Total quantity No. of Containers	31·12 / or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
1.3	Special handling instructions and additional information	granual sotial. Use Prels
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 12 18 2023
	Transporter acknowledgement of receipt of Wast	es
5	Name and stamp: Signature	Month Day Year 12 2 2 3
	Receiver's certification for receipt of hazardous an	d other waste
6	Name and stamp: Signature	Month Day Year 12 2 2 2

[See rule 19 (1)]

MANIFEST FOR HAZARDOUS AND OTHER WASTE

3752

1	Senuer's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3752
4	Transporter's name and address : (including Phone No. and e-mail)	Nilay Narrayan Polychem 14
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
a.	vehicle registration No.	HR58B4506
g	Receiver's name & mailing address (Including Phone No. and e-mail)	Nilay Narayan Polyehem Lip D-167 bandra phanbard.
9	Receiver's authorization No.	JSPC18/40/1RNC/4000-10052121
10	Waste Description	Process Restolue
11	Total quantity No. of Containers	32.52 NorMT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use Pre's
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accumulately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year [2 18 2023
	Transporter acknowledgement of receipt of Was	tes
15	Name and stamp: Signature	Month Day Year 118 2-023
12/5/6	Receiver's certification for receipt of hazardous a	nd other waste
16	Name and stamp: Signature	Month Day Year

[See rule 19 (1)]

3753

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3753
4	Transporter's name and address (including Phone No. and e-mail)	Nilay Narayan Polychem Up
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
2	Transporter's registration No.	
7	Vehicle registration No.	HR58 C 6358
8	Receiver's name & mailing address (Including Phone No. and e-mail)	Nilay Narrayan Polychem LLP D-167 Kandra Dhanbad.
9	Receiver's authorization No.	JSPUB/HU/RNC/HWM-10052121 /2021/23
10	Waste Description	oily studge
11	Total quantity No. of Containers	30:15 m/or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Residual Oily Lludge
13	Special handling instructions and additional information	use ppe's
14	Sender's Certificate LLAV	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 1 2 1 9 2 3
	Transporter acknowledgement of poceipt of Wast	es
5	Name and stamp: Elgnature	Month Day Year 19 2023
	Receiver's certification for receipt of hazardous an	d other waste
6	Name and Stamp: Signature	Month Day Year 12023

(See rule 19 (1))

3754

1	Sender's name and mailing address (including phone No. and e-mail)	BAHOLI, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3754
4	Transporter's name and address : (including Phone No. and e-mail)	Nilay Narayan Polychem LLP
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
Б	Transporter's registration No.	
7	Vehicle registration No.	HR/19 E 1382
8	Receiver's name & mailing address (Including Phone No. and e-mail)	Nilay Naroyan Polychem U.P. D-167 Kandra Dhanback.
9	Receiver's authorization No.	JSPCB/ HO/RNC/HWM -10052121/ 2021/23
10	Waste Description	Oily slugge
13	Total quantity No. of Containers	28·12
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Residual Oily sludge
13	Special handling instructions and additional information	use pipels
14	Render's Certificate (1997)	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 1 2 2 5 2 2 3
	Transporter acknowledgement of receipt of Was	ites
15	Name and stamp: Signature	Month Day Year
you.	Receiver's certification for receipt of hazardous a	nd other waste
16	Name and stamp: Signature	Month Day Year 2023
	Sender co	ppy to be sent to SPCB

[See rule 19 (1)]

3755

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1	sender's name and mailing address (including phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3755
4	Transporter's name and address : (including Phone No. and e-mail)	Nilay Narayan Polychem Lip
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR69E8144
8	Receiver's name & mailing address (including Phone No. and e-mail)	DIG Kandra Dhanbad
9	Receiver's authorization No.	Sspep/1+0/RNC/Hwm-10052124/ Oily studge
10	Waste Description	oily studge
11	Total quantity No. of Containers	26.96 prormt
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Restolved Oily Eludge
13	Special handling instructions and additional information	use ppels
14	Pandeil Leway	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 1 2 2 2 2
	Transporter acknowledgement of receipt of Wast	es
15	Name and stamp: Signature	Month Day Year
	Receiver's certification for receipt of hazardous an	d other waste
10	Name and stamp: Signature Signature	Month Dey Year 2023

[See rule 19 (1)]

3756

	sender's name and mailing address (including	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
*	Phone No. and e-mail) Sender's authorization No.	HWM/PIT/2023/43775413
2		3756
3	Manifest Document No. Transporter's name and address: (including Phone No. and e-mail)	Niby Narayan Potychem Lip
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	PB13 BE9453
8	Receiver's name & mailing address (Including Phone No. and e-mail)	Nulay Narayan Polyatiem LLP D-167 Kardra Dhambad
9	Receiver's authorization No.	JBPUS/HO/RNC/HIOM-10052121/ 2021/23
10	Waste Description	Process Recredule.
11	Total quantity No. of Containers	40.70 /m²or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
3	Special handling instructions and additional information	nco Llas
11	Sender's Certificate	I hereby declare that the contents of the consignment are full and accurately described above by proper shipping name and ar categorised, packed marked, and labelled, and are in all respect in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year
	Transporter acknowledgement of receipt of Wastes	
15	Name and stamp: Signature	Month Day Year 7023
	Receiver's certification for receipt of hazardous and	other waste
6	Name and stamp: Signature	Month Day Year 12 23 2023
	Sender cop	y to be sent to SPCB

[See rule 19 (1)]

3757

	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
1	Sender's authorization No.	HWM/PIT/2023/43775413
+	Manifest Document No.	3757
	Transporter's name and address : (including Phone No. and e-mail)	Nilay Narrayan Polychem LLD
	Type of vehicle	(Truck/Tanker/Special Vehicle)
ı	Transporter's registration No.	
	Vehicle registration No.	HR69 D3813
	Receiver's name & mailing address (Including Phone No. and e-mail)	Nilay Naroyam Polychem up D-167 Bandro Dhambad.
	Receiver's authorization No.	JSP03/HO/RNO/HOM-10052121/2011
2	Waste Description	Process Residue
1	Total quantity No. of Containers	38-32 mor MT
2	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
3	Special handling instructions and additional information	Use Ppe's
4	Sender's Certificate Orn Orn Orn Orn Orn Orn Orn Or	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respect in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 123 2023
	Transporter acknowledgement of receipt of Wastes	
5	Name and stamp: Signature	Month Day Year
	Receiver's certification for receipt of hazardous ar	nd other waste
6	Name and stamp: Signature	Month Day Year
	Standing Sender co	py to be sent to SPCB

[See rule 19 (1)]

3758

1	Sender's name and mailing address (including phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3758
4	Transporter's name and address : (including Phone No. and e-mail)	Nilay Narayan Polychen Lip
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR58C1456
8	Receiver's name & mailing address (Including Phone No. and e-mail)	D-167 Kandra Dhambad
9	Receiver's authorization No.	35pc/3/Ho/RMc/Hom -1000212/204
10	Waste Description	Process Restolu
11	Total quantity No. of Containers	35.60 Mor MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	use ppe's
4	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 12 5 3 70 2 3
	Transporter acknowledgement of receipt of Wast	tes
5	Name and stamp. Signature	Month Day Year
-1	Receiver's certification for receipt of hazardous an	nd other waste
6	Name and stamp: Signature	Month Day Year 23
-	Sender cor	py to be sent to SPCB

Form-10

(See rule 19 (1))

3765

1	Sender's name and mailing address (including Phone No. and c-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	2765
4	Transporter's name and address : (including Phone No. and e-mail)	MISTING WAS MANAGEN VON Chen LLP.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR58C 6358
δ	Receiver's name & mailing address (Including Phone No. and e-mail)	10-63, FANDRA Dhanbad.
Q	Receiver's authorization No.	558C01110/RMC/HUM-10052121
10	Waste Description	Oilly shidge (Residual)
11	Total quantity No. of Containers	31.65 m³ or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use PPE-1.
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	12 26 29 Year
	Transporter acknowledgement of receipt of Wast	tes.
15	Name and stampi) Signature	Month Day Year 12 2 6 2 2 2 3
	Receiver's certification for receipt of hazardous ar	nd other waste
16	Name and stamp: Signature	Month Day Year

[See rule 19 (1)]

3766

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3766
4	Transporter's name and address : (including Phone No. and e-mail)	chubyphy m/ Milagnon agen ply chen
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
5	Transporter's registration No.	
7	Vehicle registration No.	HR5884506
8	Receiver's name & mailing address (Including Phone No. and e-mail)	MIS allognosayon Polychentle 0-162, KANDAADAADA
q	Receiver's authorization No.	JS PCB HEIRNE / HUM- 1005 212
10	Waste Description	Oilly shage (Residual)
11	Total quantity No. of Containers	28.88 m³ or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use PPES.
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable optional government regulations.
	Name and stamp. Signature	Month Day Year 2 9 7 9
	Transporter acknowledgement of receipt of Was	tos
15	Name and stamp: Signature	Month Day Year [1 2 2 6 2 9 9
	Receiver's certification for receipt of hazardone by	
16	Name and stamp: Signature	Month Day Year 1 2 26 2 3

(See rule 19 (1))

3760

	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
	Sender's authorization No.	HWM/PIT/2023/43775413
	Manifest Document No.	3760
	Transporter's name and address : (including Phone No. and e-mail)	my milagnoray an loty chemit.
Š	Type of vehicle	(Truck/Tanker/Special Vehicle)
920	Transporter's registration No.	
7	Vehicle registration No.	HR69E9426
	Receiver's name & mailing address (including Phone No. and e-mail)	MS. Milagrasayan Alyclen CL. 8, 0-102, KANDRA-Dhanbab
	Receiver's authorization No.	JSFCB/HOIRMC/HWM-10052121/202
3	Waste Description	Process Residue
ı	Total quantity No. of Containers	28.86 m³ or MT
2	Physical form	(Solid/Semi-Solid/Sludge/Olly/Tarry/Slurry/Liquid)
3	Special handling instructions and additional information	Use PPE-s.
4	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature - 4/1 と呼る形	Month Day Year
	Transporter acknowledgement of receipt of Wast	es Literal
5	Name and stamp: Signature Signature	Month Day Year
	Receiver's certification for receipt of hazardous an	id other waste
6	Name and stamp: Signature	Month Day Year

[See rule 19 (1)]

3767

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3767
4	Transporter's name and address : (including Phone No. and e-mail)	Condup by mys. Nilay morayous Polycham LLP.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR6904441
8	Receiver's name & mailing address (Including Phone No. and e-mail)	MREDDY441 mis. Nilay noveyon Polychem CLP, p-163 KANDRA, Dirembod.
9	Receiver's authorization No.	JSPCB1 HO1RNC HHWM-100521241
10	Waste Description	froceth Residue
11	Total quantity No. of Containers	31.42 m'or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use 8per.
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 29 2023
15	Transporter acknowledgement of receipt of Wastes	
	Name and stamp: Signature	Month Day Year 1 2 2 2 2 3
	Receiver's curtification for receipt of hazardous and other waste	
16	Name and stamp: Signature	Month Day Year 12 29 20 20 20 20 20 20 2

(See rule 19 (1))

3768

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No	3768
4	Transporter's name and address : (including Phone No. and e-mail)	lined upby MIS. Hijay norsyou
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR69€1099
8	Receiver's name & mailing address (Including Phone No. and e-mail)	MU. Micaynarayon Poly arent CP. Polo
9	Receiver's authorization No.	JSPCB)HOIRMC/HWM-1062121/ 2021/23
10	Waste Description	- frouth Residue.
11	Total quantity No. of Containers	28+09 m³ or MT Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information (1) 2007 (2001)	Use PPESS.
14	Sender's Correllate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 7. [1 2 2 9 2 3
	Transporter acknowledgement of receipt of Wastes	
15	Name and stamp: Signature	Month Day Year 29 23
	Receiver's certification for receipt of hazardous ar	nd other waste
16	Name and stamp: Signature	Month Day Year

(See rule 19 (1))

3769

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3769
4	Transporter's name and address : (including Phone No. and e-mail)	Gred Upby Ms Nilwy noregon Polychem Ccp.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	HR 69 D 3 8 13
8.	Receiver's name & mailing address (Including Phone No. and e-mail)	MIS-Niterynesayon Roychem LLP. P. 160 KANDRA-Dhambad
9	Receiver's authorization No.	JS POBIHOIANCI 10052121/2021/2
10	Waste Description	Process Residue
11	Total quantity No. of Containers	33.46 m³ or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Vse PPES.
14	Sender's Certificate and maint	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year
15	Transporter acknowledgement of receipt of Was	tes
	Name and stamp: Significate	Month Day Year 29 29 23
T	Receiver's certification for receipt of hazardous as	nd other waste
145	Name and stamp: Signiflure	Month Day Year
		py to be sent to SPCB

[See rule 19 (1)]

3770

1	Sender's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAT-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3770
4	Transporter's name and address : (including Phone No. and e-mail)	timedupty MS. Nestay wordy
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	PB 13 BB 5 6 08
8	Receiver's name & mailing address (Including Phone No. and e-mail)	P-163, KA-4 PRA Phonbada
9	Receiver's authorization No.	JSPCB/140/ANC/1005212/12021
10	Waste Description	Procush Residue.
11	Total quantity No. of Containers	36.03 m'or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use PPEUS.
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year [2 3 0 2 2 3
	Transporter acknowledgement of receipt of Wast	tes
15	Name and stamp: Signature	Month Day Year 12 - 30 2023
	Receiver's certification for receipt of hazardous ar	nd other waste
16	Name and stamp: Signature	Month Day Year 9 0 2 0 2 3

[See rule 19 (1)]

3771

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1	Sendor's name and mailing address (including Phone No. and e-mail)	IOCL, PANIPAT REFINERY & PX-PTA COMPLEX, BAHOLI, PANIPAI-132140, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/43775413
3	Manifest Document No.	3771
4	Transporter's name and address : (including Phone No. and e-mail)	and up by msp.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
5	Transporter's registration No.	
7	Vehicle registration No.	HR58 D 9974
8	Receiver's name & mailing address (Including Phone No. and e-mail)	HRSBD9974 MI. Nicay navoy on Polychanker, p. 163 KANDRA Dhambadi
9	Receiver's authorization No.	J& PCB HO/RNC / 100 521 21/2021/2
10	Waste Description	Process Residue.
11	Total quantity No. of Containers	33-60 m³ or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use PPED.
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year 1 2 2 2 3
	Transporter acknowledgement of receipt of was	stes
15	Name and stamp: Signature	Month Day Year 1 2 3 2 3
	Receiver's certification for receipt of hazardous and other waste	
16	Name and stamp: Signature	Month Day Year