

रिफाइनरीज़ प्रभाग Refineries Division डेयन ऑयल कार्पोरेशन लिमिटेड

पानीपत रिफ़ाइनरी एवं पेट्टोकेमिकल कॉम्प्लेक्स पानीपत, हरियाणा - 132140

Indian Oil Corporation Limited

Panipat Refinery & Petrochemical Complex Panipat, Haryana – 132140

वैवसाइट www.iocl.com; ई-मेल: prpc_hse@indianoil.in

दूरभाप: 0180-252 4001/0180-2578833

Dates: 13.01.2023

इंडियनऑयल

IndianOil

Ref. No. PNC/HSE/EC Compliance/5

To, The Additional Director(S), Ministry of Environment, Forest 8& Climate Change, Govt. of India, Regional Office (NR), Bays No. 24-25, Sector 31-A, Dakshin Marg, Chandigarh- 160047

Subject: Six Monthly Environmental Clearances (ECs) Compliance Report- Panipat Naphtha Cracker Complex

Sir,

Enclosed please find herewith the Six Monthly Environmental Clearances (ECS) Compliance Report- Panipat Naphtha Cracker Complex for the period of July 2022 to December 2022 of the MOEFCC stipulations w.r.t. following EC Letters.

- 1. EC Letter No. J-11011/153/2004-IA II (I) dated 04.01.2005 for Naphtha cracker complex at Panipat Refinery by M/s Indian Oil Corporation Limited at Village Baljatan in district Panipat, Haryana -Environmental clearance registration.
- 2. EC Letter No. J.11011/106/2012-IA-II (I) dated 23.05.2014 for Butene-1 Project at Panipat Refinery & Petrochem Complex of M/s Indian Oil Corporation Limited (IOCL) at village Balijathan Tehsil Matlauda – Environmental clearance registration.
- 3. EC Letter. No. J-11011/268/2014-IA.II (I) dated 22.02.2017 for Recovery of Styrene and Synthetic Olefins Production from RFCC and DCU off gases (from Panipat Refinery) and its integration with Naphtha Cracker Unit and Mounded Bullet Storage for C4 Mix at Indian Oil Panipat Refinery & Petrochemical Complex at Panipat, Haryana by M/s Indian Oil Corporation Limited- Environmental clearance registration.
- 4. EC Letter No. J-110011/106/2012-IA-II(I) dated 16.08.2018 for Capacity expansion of Naphtha Cracker, Mono Ethylene Glycol, HDPE & Polypropylene units and setting up Catalyst Manufacturing Unit by M/s Indian Oil Panipat Refinery & Petrochemical Complex at Panipat Refinery & Petrochemical Complex, Panipat (Haryana) - Environmental clearance registration.
- 5. EC Letter No. No.J-11011/177/2016-IA II (I) & EC Identification No. EC21A018HR144149 dated 16.12.2021 for Setting up of additional 450 KTA of Polypropylene Production Plant in Existing Naphtha Cracker Complex (Expansion project) - Environmental clearance registration.

This is for your information

Thanking you

Yours faithfully,

Edushmy.

(P V Ramakrishna)

General Manager (NSE)

For and on behalf कार्या रहिता प्रयोगरण

Panipat Refinery and Retisochemieh Complete

पानीपत रिफाइनरी एवं पेट्रोकी Panipal Refinery & Petrochemical Complex (I.O.C.L)

पानीपत. Panipat-132140

Enclosures: as above

CC: 1. The Regional Officer, HSPCB, Panipat

2. The Member Secretary, HSPCB, C-11, Sec-6, Panchkula

पंजीकृत कार्यालय :जी9-, अली यावर जंग मार्ग, बांद्रा (पूर्व), मुंबई 400051, महाराष्ट्र (भारत) Regd. Office: O-9, Ali Yavar Jung Marg, Bandra (East), Mumbai-400051, Maharushtra (India) CIN - 23201 MH 1959 GOI 011388

INDEX

S. No.	EC letter Compliance report/Environmental monitoring reports	Annexure
1	Compliance report for EC Letter No. J-11011/153/2004-IA II (I) dated 04.01.2005 for Naphtha cracker complex at Panipat Refinery by M/s Indian Oil Corporation Limited at Village Baljatan in district Panipat, Haryana	Attached as Annexure-A
2	Compliance report for EC Letter No. J.11011/106/2012-IA-II (I) dated 23.05.2014 for Butene-1 Project at Panipat Refinery & Petrochem Complex of M/s Indian Oil Corporation Limited (IOCL) at village Balijathan Tehsil Matlauda – Environmental Clearance.	Attached as Annexure-B
3	Compliance report for EC Letter. No. J-11011/268/2014-IA.II (I) dated 22.02.2017 for Recovery of Styrene and Synthetic Olefins Production from RFCC and DCU off gases (from Panipat Refinery) and its integration with Naphtha Cracker Unit and Mounded Bullet Storage for C4 Mix at Indian Oil Panipat Refinery & Petrochemical Complex at Panipat, Haryana by M/s Indian Oil Corporation Limited.	Attached as Annexure-C
4	Compliance report for EC Letter No. J-110011/106/2012-IA-II(I) dated 16.08.2018 for Capacity expansion of Naphtha Cracker, Mono Ethylene Glycol, HDPE & Polypropylene units and setting up Catalyst Manufacturing Unit by M/s Indian Oil Panipat Refinery & Petrochemical Complex at Panipat Refinery & Petrochemical Complex, Panipat (Haryana).	Attached as Annexure-D
5	Compliance report for EC Letter No. No.J-11011/177/2016-IA II (I) & EC Identification No. EC21A018HR144149 dated 16.12.2021 for Setting up of additional 450 KTA of Polypropylene Production Plant in Existing Naphtha Cracker Complex (Expansion project).	Attached as Annexure-E
11	Ambient Air quality data.	Attached as Annexure-1
12	Stack Emission data	Attached as Annexure-2
13	Noise Monitoring data	Attached as Annexure-3
14	Effluent quality data	Attached as Annexure-4
15	Fugitive Emission data	Attached as Annexure-5
16	Manifests (Form-10)	Attached as Annexure-6



PANIPAT NAPHTHA CRACKER PROJECT

Environmental Clearance No.J-11011/153/2004-IA II (I) dated 4.1.2005 from Ministry of Environment & Forests

Six-monthly compliance report (Jan'22- Jun'22)

A. Specific Conditions

SL. No.	Conditions stipulated in the EC letter	Status/Action plan
1)	The gaseous emissions (SO ₂ , NO _x 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 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.	Gaseous Emissions are well within limits as per standards prescribed
11)	Adequate ambient air quality monitoring stations (SPM, SO2, NOx and HC, Benzene) should be set up in the Naphtha Cracker Complex in consultation with SPCB, based on occurrence of maximum ground level concentration and down-wind direction of wind i.e. maximum impact zone. The monitoring network must be decided based on modeling exercise to represent short term GLCs. Continuous on-line stack monitoring equipment should be installed for measurement of SO2 and NOx. Data on VOC should be monitored and submitted to the SPCB/Ministry.	Ambient air quality being monitored for compliance through ambient air quality monitoring stations installed according maximum impact zone. Continuous online stack monitoring analyzers are being used for measurement of SO2 and NO _x . VOC Monitoring being done quarterly and six monthly submissions to HSPCB/Ministry.
III)	Measures for fugitive control should be taken by installation of internal floating roof tanks for storage of liquid HCs and provision of double mechanical seals to all pumps handling high vapor pressure materials, sensors for detecting HC/toxic gas leakages at strategic locations, regular inspection of floating roof seals, maintenance of valves and other equipments and regular skimming of separators/equalization basin.	Complied
V)	All new standards/norms that are being proposed by CPCB for petrochemical plants shall be applicable for the proposed Naphtha Cracker and downstream polymer units. The company shall conform to the proposed process vent standards for organic chemicals including non-VOCs and all possible VOCs i.e. TOCs standard and	Complied

SL. No.	Conditions stipulated in the EC letter	Status/Action plan
70	process vent standards for top priority chemicals. The company shall install online monitors for VOC measurements. Action on the above should be taken during the detailed design stage of the NCC. The project authorities shall take necessary measures to comply with the above proposed emission norms including monitoring facilities and intimate the same to the Ministry.	
V)	M/s IOCL shall adopt Leak Detection And Repair (LDAR) programme for quantification and control of fugitive emissions.	Complied
VI)	The company shall also ensure that the total SO_2 emission from the NCC shall not exceed 138 kg/hr during the normal operations	Total SO ₂ emission is well within the limit of 138 Kg/hr.
VII)	To mitigate NO _x emission, the company shall install low NO _x burners.	Low NO _x burners are in operation to mitigate NO _x emission
VIII	The waste water effluent from the NCC should not exceed 750 M3/Hr. The waste water shall be segregated in different streams at the source. The treated effluent should comply with the standards stipulated by HSPCB/CPCB for discharge on land for irrigation. The treated effluent should be used for cooling service, greenbelt, dust suppression and firewater. As per the commitment given, there should be zero effluent discharge due to the proposed project. The company should ensure that there will be no discharge of treated effluent into Thirana drain.	Average waste water effluent from the NCC is 160 m³/hr. Treated effluent of stipulated quality as per HSPCB/CPCB standards, is recycled in DMRO and is reused for cooling service, greenbelt, dust suppression and firewater. Company is complying with the provision of no discharge of treated effluent into the Thirana drain.
IX)	The oily sludge generated from the ETP after oil recovery shall be taken to the existing refinery facilities for further treatment and disposal into the secured landfill. The spent catalyst shall be disposed off into the secured landfill facility. The design of the secured landfill site shall be as per the central pollution control board guidelines. The company shall firm up the plan for construction of hazardous waste facility within the NCC or send the hazardous waste to secured Landfill site being developed by the Haryana Environmental Management society. The final plan during detailed design stage of NCC for construction of hazardous waste management facility shall be submitted to the Ministry.	Having the Secured Landfill provision within the Indian Oil Panipat Complex at Refinery site. Further, as an alternative, the membership/registration with the HEMS-GEPIL, Haryana is available for disposal of Hazardous Waste.

010

SL. No.	Conditions stipulated in the EC letter	Status/Action plan
X)	Green belt should be provided to mitigate the effects of fugitive emissions all around the plant in an area of 40 ha. In addition to 240 ha. of area already afforested in consultation with DFO as per CPCB guidelines. Green belt in the NW direction should be strengthened keeping in view the winds from SE and E direction. The trees should be planted in both sides of approach roads and truck parking area.	Green belt of 40 ha area has been provided all around the plant to mitigate the effects of fugitive emissions. Density of Green belt in the NW direction has also been increased.
		Further, plantation being done on both sides of approach roads and truck parking area.
XI)	Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per Factories Act.	Complied.

B. General Conditions

SL. No.	Conditions stipulated in the EC letter	Status/Action plan
I)	The project authorities must strictly adhere to the stipulations made by Haryana State Pollution Control Board and State Government.	Complied
II)	No further expansion or modification of the plant should be carried out without prior approval of Ministry of Environment & Forests.	Approval of MoEF&CC will be obtained for future expansion, if any.
111)	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
IV)	All the recommendations made in the EIA/EMP and risk assessment report should be implemented.	Complied
V)	The overall noise levels in and around the plant area should be kept well within the standards (85dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Acoustic hoods, silencers, enclosures etc. on all sources of noise generation have been provided to meet the required noise stipulations.



SL. No.	Conditions stipulated in the EC letter	Status/Action plan
VI)	The Project Authorities must strictly comply with the provisions made in manufacture, storage and Import of Hazardous chemicals Rules 1989, as amended in 2000 for handling of Hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives must be obtained before commissioning of the project.	Complied, CCE /PESO approval is available
VII)	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 and Handling) Rules, 2003. Authorization from State Pollution Control Board must be obtained for conditions/ treatment/ storage/disposal of hazardous wastes.	Complied
VIII)	The Project Authorities will provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment & Forests as well as the State government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purposes.	Complied
IX)	The stipulated conditions will be monitored by the Regional office of this Ministry at Chandigarh/ Central Pollution Control Board/ State Pollution Control Board. A six monthly compliance status report and the monitored data should be submitted to them regularly.	complied
X)	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 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.	
XI)	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.	Final approval of the project has been accorded by IOC's Board of Directors in their meeting on 22.12.2006

Odr

BUTENE-1 PROJECT AT PANIPAT REFINERY & PETROCHEMICAL COMPLEX

Environmental Clearance No. J-11011/106/2012-IA-II (I) dated 23.05.2014 from Ministry of Environment & Forests

Six-monthly compliance report (Jan'22- Jun'22)

A. Specific Condition

SL. No.	Conditions stipulated in the EC letter	Status/Action plan
I)	All the specific conditions and general conditions specified in the earlier environmental clearance letters accorded vide Ministry's letter nos. J-11011/27/91-IA-II (I) dated 16 th July 1992, J-11011/60/2000-IA-II (I) dated 9 th April, 2001, J-11011/52/2000-IA-II (I) dated 30 th April, 2001, J-11011/9/2001-IA-II (I) dated 6 th December,2001, J-11011/153/2004-IA-II (I) dated 4 th January, 2005 and J-11011/7/2004-IA-II (I) dated 9 th August, 2004 shall be complied with.	Complied. All the conditions of these ECs as per reports sent to MoEFCC.
11)	M/s Indian Oil Corporation Limited shall comply with new standards/norms for Oil Refinery Industry and petrochemical industry notified under the Environment (Protection) Rules, 1986.	Complied
III)	Continuous on-line stack monitoring for SO2, NOx and CO of all the stacks shall be carried out. Low NOx burners shall be installed.	No heater/ Furnace is installed in the plant.
IV)	The Emission standards prescribed by the MoEF under Environment (Protection) Act for petrochemical industry shall be strictly followed. At no time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Stack emissions shall be monitored regularly.	Complied This project does not have any furnace. However the total emission of PNC including this project is well within the limit of 138 Kg/hr.
V)	Leak Detection and Repair programme shall be prepared and implemented to control HC/VOC emissions. Focus shall be given to prevent fugitive emissions for which preventive maintenance of pumps, valves, pipelines are required. Proper maintenance of mechanical seals of pumps and valves shall be given. A preventive maintenance schedule for each unit shall be prepared and adhered to. Fugitive emissions of HC from product storage tank yards etc. must be regularly monitored. Sensors for detecting HC leakage shall be provided at strategic locations.	Complied Leak Detection and Repair programme is conducted by external agency quarterly. Sensors for detection of HC leak are provided at
VI)	Continuous monitoring system for VOCs at all important places/areas shall be ensured. When monitoring results indicate above the permissible limits, effective measures shall be taken immediately.	strategic locations. Complied as stated above.

SL. No.	Conditions stipulated in the EC letter	Status/Action plan
VII)	SO2 emissions after implementation of Butene-1 shall not exceed 138kg/hr.	Complied Total emission of PNC including this project is well within the limit of 138 Kg/hr.
VIII	Record of sulphur balance shall be maintained at the Refinery as part of the environmental data on regular basis. The basic component of sulphur balance include sulphur input through feed (sulphur content in crude oil), sulphur output from Refinery through products, byproduct (elemental sulphur) atmospheric emissions etc.	This project does not have sulphur plant or any raw material having 'Sulphur'. Also there is no furnace.
IX)	Ambient air quality monitoring stations, [PM 10, Pm2.5, SO2, NOx, H2S, mercaptan, non-methane-HC and Benzene] shall be set up in the complex in consultation with Haryana State Pollution Control Board, based on occurrence of maximum ground level concentration and down-wind direction of wind. The monitoring network must be decided based on modeling exercise to represent short term GLCs.	Ambient air quality being monitored for compliance through ambient air quality monitoring stations installed according maximum impact zone.
X)	Ambient air quality data shall be collected as per NAAQES standards notified by the Ministry on 16 th November, 2009 and trend analysis w.r.t past monitoring results shall also be carried out. Adequate measures based on the trend analysis shall be taken to improve the ambient air quality in the project area.	Ambient air quality data is collected as per NAAQS standards.
XI)	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Besides, acoustic enclosure/silencer shall be installed wherever noise levels exceed the limit.	There is no DG set proposed in Butene-1 plant.
XII)	Total fresh water requirement from Yamuna Canal shall not exceed 1813 m3/hr and prior permission shall be obtained from the concerned agency. No ground water shall be used.	The water requirement of 5 m3/hr of this plant is met from existing circuits. The overall water requirement of complete PNC is normally less than 1813 m3/hr from WJC cannel. No ground water is being used.
XIII)	Industrial effluent shall be treated in the effluent treatment plant. Treated effluent shall be recycled/reused in the existing cooling tower. Water quality of treated effluent shall be monitored regularly.	There is no effluent generation in the BUTENE-1 Plant

Que

SL. No.	Conditions stipulated in the EC letter	Status/Action plan
XIV)	Oil catchers/oil traps shall be provided at all possible locations in rain/storm water drainage system inside the factory premises.	Butene-1 plant does not have any Oil Catcher and also not required.
XV)	The Company should strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000. Hazardous waste should be disposed of as per Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and amended time to time.	Fully Complied We send Environment statement to HSCB every year.
XVI)	Proper oil spillage prevention management plan shall be prepared to avoid spillage/leakage of oil/petroleum products and ensure regular monitoring.	No oil spillage.
XVII)	The company shall strictly follow all the recommendation mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).	Complied
XVIII)	To prevent fire and explosion at oil and gas facility, potential ignition sources shall be kept to a minimum and adequate separation distance between potential ignition sources and flammable materials shall be in place.	Complied
XIX)	Additional 25000 trees shall be planted to increase the greenbelt coverage. Thick greenbelt with suitable plant species shall be developed around unit. Selection of plant species shall be as per the CPCB guidelines.	Since 2011, we have planted more than 25000 trees in and around PNC.
XX)	All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.	Complied
XXI)	All the issues raised and commitment made during the public hearing/consultation meeting held on 23 rd August, 2013 shall be satisfactorily implemented. Accordingly, provision of budget to be kept.	Complied
XXII)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied Being a small project in house manpower where utilized.
В.	General Conditions	
1)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.	Complied
II) a	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alteration 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	Approval of MoEF&CC will be obtained for future expansion, if any.

SL. No.	Conditions stipulated in the EC letter	Status/Action plan
	conditions imposed and to add additional environmental protection measures required, if any.	
III)	The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000 as amended subsequently. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained, wherever applicable.	PESO approval is available.
IV)	The overall noise level 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 EPA Rules, 1989 viz. 75 dBA(daytime) and 70 dBA (night time).	Complied Continuous Noise monitoring is done.
V)	A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	Complied
VI)	Adequate funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures and shall be used to implement the conditions stipulated 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 shall not be diverted for any other purposes.	Complied Reported in environment statements.
VII)	The Regional office of this Ministry/Central Pollution Control Board/State Pollution Control Board will monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Complied
VIII)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied The communication to local Panchayat has been done on 31.07.2014.
IX)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10,PM2.5,SO2,NOx,HC (Methane & Non-Methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied Ambient air data is displayed at Main gate.
X)	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions	Complied



SL. No.	Conditions stipulated in the EC letter	Status/Action plan
	including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal office of CPCB and the SPCB. The Regional Office of this Ministry/CPCB/SPCB shall monitor the stipulated conditions.	
XI)	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned state Pollution Control Board as prescribed under the Environment (Protection) rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of MOEF by e-mail.	Complied Environment Statement is sent to HSPCB & MoEFCC, RO every year.
XII)	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 and may also be seen at website of the Ministry of Environment and Forests at http:/envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspaper 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.	Complied The message has been circulated through AMAR UJALA & THE TRIBUNE on 05.08.2014.
XIII)	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Complied
XIV	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
XV	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Complied
XVI	The above conditions will be enforced, inter-alia under the provision of the water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of water pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Complied



* *

ERU/SRU Project at Panipat Refinery & Petrochemical Complex

Environmental Clearance No. J-11011/268/2014-IA.II (I) dated 22.02.2017 from Ministry of Environment & Forests

Six-monthly compliance report (Jan'22- Jun'22)

A. Specific conditions

S.No	Conditions stipulated in the EC letter	Status/Action Plan
I,	The Ministry vide G.S.R 608 (E) dated 21 st july 2010 and amended time to time has prescribed emission and effluent standards that shall be complied by the unit.	Will be compiled
11	Compliance to all environmental conditions stipulated in the environmental clearance shall be satisfactorily implemented and compliance reports submitted to the Ministries regional office of Moef&cc	Will be compiled
III	All Pollution control and monitoring equipment shall be installed tested and interlocked with the process equipment SPCB shall grant Consent to operate after ensuring that all the maintenance Pollution control equipments, construction of storm water drain, rainwater harvesting structure, green belt, uploading of Compliance report on the website etc have been implemented.	Will be compiled
IV	SO2 emission after expansion from the plant shall not exceed 138kg/hr and further efforts shall be made for reducing of SO2 load through use of low sulphur fuel, sulphur recovery units shall be installed for control of H2S emission.	Will be compiled
V	Ambient Ait quality data shall be collected as per NAAQS standards notified by the Ministry vide G.S.R No. 826 (E) Dated 16.September, 2009 .The levels of PM10,PM2.5, SO2,NOX,VOC and CO shall be monitored in the Ambient Air and emission from the stacks and displayed at a convenient location near the main gate of the company and at important public places . The company shall upload the results of monitored data in its website and shall update the same periodically .It shall simultaneously be sent to the reginal office of MOEF, The respective zonal of CPCB and the State Pollution control Board (MPCB).	Will be compiled
VI	In Plant control measures for checking Fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, handling	Will be compiled
VII	The gaseous emission from D G set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to The D G sets to mitigate the noise pollution.	Will be complied
VIII	Total fresh water requirement from the canal shall not exceed shall not exceed 1700m3/hr (annual average) and prior permission shall be obtained from the competent authority be . No ground water shall be used without permission.	Will be complied
IX	The marginal waste water from SRU & ERU plant shall be sent to ETP/RO plant. Effluent stream shall be treated in the comprising primary, secondary and tertiary treatment facility ETP. As proposed RO plant shall be employed to treat 140m3/hr	Will be complied

S.No	Conditions stipulated in the EC letter	Status/Action Plan
Х	Automatic /online monitoring system (24x7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB and in the company's website.	Online connectivity of all analyzers of stacks (PM, SO2, NOx, CO,) and ETP effluent (PH, TSS, COD, BOD) is available to CPCB and HSPCB. Public access is also available on HSPCB e-portal.
XI	Adequate odour management plan and its mitigation measure be implemented on priority.	Will be compiled
XII	Regular VOC monitoring to be done at vulnerable points.	Will be complied
XIII	The oily sludge shall be subjected to melting pit for oil recovery and the residue shall be bio-remediated. The sludge shall be stored in HDPE lined pit with proper leachate collection system	Will be complied
XIV	Comprehensive water audit to be conducted on annual basis and report to the concerned Regional Office of MEF&CC. Outcome from the report to be implemented for conservation scheme	Will be compiled
XV	Oil catchers/oil traps shall be provided at all possible locations in rain/ storm water drainage system inside the factory premises.	Will be complied
XVI	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.	Will be complied
XVII	The company shall strictly comply with the rules and guidelines under Hazardous and other wastes (Management and Trans-Boundary Movement) Rules,2016 as amended time to time All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989	Will be Complied
XVIII	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.	Will be Complied
XIX	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Will be Complied
XX	At least 2.5% of the total project cost shall be earmarked towards Enterprise social commitment (ESC) based on local needs and action plan with financial and physical break up /details shall be prepared and submitted to the Ministry's Regional Office at Bhopal . Implementation of such program shall be ensure accordingly in a time bound manner.	V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
XXI	As proposed green belt over33% shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, 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.	

B. GENERAL CONDITIONS

Sr. No.	Conditions stipulated in the EC letter	Status/Action Plan
1	The project authorities shall adhere to the stipulations made by the	Complied
	State Pollution Control Board. Central Pollution Control Board,	# 19 (0) (0) • # 19(0) 000 000 000 000 000 000 000 000 000
-	state Government and any other Statutory authority.	
. 11	No further expansion or modifications in the plant shall be carried	Approval shall be
	out without prior approval of the Ministry of Environment, Forest	obtained of MoEFCC
	and Climate Change. In case of deviations or alterations in the	for future
	project proposal from those submitted to his Ministry for clearance	expansion, if any
	a fresh reference shall be made to the Ministry to assess the	
	adequacy of conditions imposed and to add additional	
	environment protection measures required, if any.	
111	The locations of ambient air quality monitoring stations shall be	Will be Complied
	decided in consultation with the 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.	
IV	The national Ambient Air Quality Emission Standards issued by the	Complied
	Ministry vide G.S.R. No. 826 (E) dated 16 th November, 2009 shall be	
	followed.	
V	The overall noise levels in and around the plant area shall be kept	Complied
	well within the standards by providing noise control measures	
	including acoustic hoods, silencers, enclosures etc. on all sources of	
	noise generation. The ambient noise levels shall conform to the	
	standards prescribed under Environment (Protection) Act, 1986	
VI	Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	
VI	The Company shall harvest rainwater from the roof tops of the	Will be ensured
	buildings and storm water drains to recharge the ground water and	after project
	use the same water for the process activities of the project to conserve fresh water.	execution
	conserve fresh water.	
VII	Training shall be imparted to all employees on Safety and health	Will be Complied
	aspects of chemicals handling. Pre-employment and routine	Will be complied
	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	Will be Complied
	protection measures and safeguards proposed in the documents	
	submitted to the Ministry. All the recommendations made in the	
	EIA/EMP in respect of environmental management, and risk	
	mitigation measures relating to the project shall be implemented.	
IX	The company shall undertaken all relevant measures for improving	Will be Complied
	the socio-economic conditions of the surrounding area. CSR	
	activities shall be undertaken by involving local villages and	
	administration.	
X	The company shall undertake eco-developmental measures	Will be Complied
	including community welfare measures in the project area for the	
	overall improvement of the environment.	
ΧI	A separate Environmental Management Cell equipped with full	Complied
	fledged laboratory facilities shall be set up to carry out the	

2

Sr. No.	Conditions stipulated in the EC letter	Status/Action Plan
	Environmental Management and Monitoring functions.	
XII	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as 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
XIII	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.	Complied
XIV	The project proponent shall also submit six monthly reports on the status of compliance of the Stipulated Environment Clearance conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEFCC, the respective Zonal Office of CPCB and SPCB. A copy of Environment Clearance and six monthly compliance status be posted on the website of the company.	Will be Complied
XV	The Environment statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the concerned state Pollutions Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of company along with the status of compliance of Environmental Clearance conditions and shall be sent to the respective Regional Officers of MoEFCC&CC by email.	Will be Complied
XVI	The project proponent shall inform the public that the project has been accorded environment 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://envfor.nic.in/ . This shall be advertised within seven days from the date of issue of the Clearance letter, at least in two local newspaper 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
XVII	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Will be Complied. Date of financial closure of all projec is 31st March every year

ply

Capacity expansion Project of Naphtha Cracker at Panipat Refinery & Petrochemical Complex

Environmental Clearance No. J-110011/106/2012-IA-II(I) dated 16.08.2018 from Ministry of Environment & Forests

Six-monthly compliance report (Jan'22- Jun'22) GENERAL CONDITIONS

Sr. No.	Conditions stipulated in the EC letter	Status/Action Plan
I.	The project authorities shall adhere to the stipulations made by the State Pollution Control Board. Central Pollution Control Board, state Government and any other Statutory authority.	Complied
II	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 his Ministry for clearance a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environment protection measures required, if any.	Approval of MoEF&CC will be obtained for future expansion, if any.
III	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one Station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Installation of 02 AAQN stations is in progress, Installation by Mar'23.
IV	The national Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16 th November, 2009 shall be followed.	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 acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied
VI	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Complied
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.	Complied
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.	Complied
IX	The company shall undertake all relevant measures for improving	3.59 Crore rupees have

Sr. No.	Conditions stipulated in the EC letter	Status/Action Plan
	the socio-economic conditions of the surrounding area. ESC	been allocated for
	activities shall be undertaken by involving local villages and	carrying out CER
	administration.	activities and to
		improve socio
		economic conditions of
		surrounding area.
		Following Activities are
	6	undertaken under CER
		fund:
		Construction of school
		for specially disabled
	3	children and lying of
		drinking water pipelines
		at Singhupura & Sithana
		[[의 (1997)] [1957] - 18
		villages.
Х	The company shall undertake eco-developmental measures	Complied
Λ	including community welfare measures in the project area for the	1 (A P 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	overall improvement of the environment.	
		Complied
XI	A separate Environmental Management Cell equipped with full	Compiled
	fledged laboratory facilities shall be set up to carry out the	
	Environmental Management and Monitoring functions.	
XII	The company shall earmark sufficient funds towards capital cost	Complied
	and recurring cost per annum to implement the conditions	(Recurring cost per
	stipulated by the Ministry of Environment, Forest and Climate	annum (environment
	Change as well as the conditions stipulated herein. The funds so	expenditure) of last
	earmarked for environment management/pollution control	two financial years
	measures shall not be diverted for any other purpose.	
		Recurring Recurring
	and the second s	cost FY cost FY
		2020-21 2021-22
	8 6	10.09 Cr 8.03 Cr
		Complied
XIII	A copy of the clearance letter shall be sent by the project	Compiled
	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	11
	processing the proposal.	
XIV	The project proponent shall also submit six monthly reports on the	6 * " "
	status of compliance of the Stipulated Environment Clearance	Complied
	conditions including results of monitored data (both in hard copies	
	as well as by email) to the respective Regional Office of MoEFCC,	
	the respective Zonal Office of CPCB and SPCB. A copy of	
	Environment Clearance and six monthly compliance status be	
	posted on the website of the company.	



Sr. No.	Conditions stipulated in the EC letter	Status/Action Plan
XV	The Environment statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the concerned state Pollutions Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of company along with the status of compliance of Environmental Clearance conditions and shall be sent to the respective Regional Officers of MoEFCC&CC by email.	Complied
XVI	The project proponent shall inform the public that the project has been accorded environment 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://envfor.nic.in/ . This shall be advertised within seven days from the date of issue of the Clearance letter, at least in two local newspaper 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 (Already published in two newspapers on 05.09.18)
XVII	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied.

TERMS & CONDITIONS

Sr. No.	Conditions stipulated in the EC letter	Status/Action Plan
1	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	CTO received on 15.11.2022
	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
Ш	Necessary authorization required under the Hazardous and other wastes (management and Trans-Boundary Movement) Rules,2016 and solid waste management Rules,2016 shall be obtained and the provisions contained in the Rules, shall be strictly adhered to.	Hazardous & other waste authorization available with validity up to 30.09.2026. Authorization ref. No.: HWM/PIT/2021/11695733
IV	National emission Standard for Organic Chemicals Manufacturing industries issued by the Ministry vide G.S.R. 608 (E) dated 21 st July'2010 and amended from time to time be followed.	Not applicable. Emission standards of Petrochemical industries are followed.
V	To control source and the fugitive emissions, suitable pollutions control devices shall be installed with different stacks to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stacks of adequate height as per	Complied



Sr. No.	Conditions stipulated in the EC letter	Status/Action Plan
	CPCB/SPCB guidelines.	
VI	Total fresh water requirement shall not exceed 47955 cum/day to be met from western Yamuna Canal. Necessary permission in this regard shall be obtained from the concerned regulatory authority.	Complied
VII	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Complied
VIII	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
IX	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 manufactures/cement industry.	Disposal of ETP sludge and spent carbon is done as required in accordance with the HWM rules 2016. There is no ash generation as no solid fuel is used.
Х	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
ΧI	Regular VOC monitoring to be done at vulnerable points.	VOC monitoring is done by MoEFCC authorized agency under LDAR program.
XII	The oily sludge shall be subjected to melting pit for oil recovery and the residue shall be bio-remediated. The sludge shall be stored in HDPE lined pit with proper leachate collection system.	Complied
XIÌI	Comprehensive water audit to be conducted on annual basis and report to the concerned Regional Office of MEF&CC. Outcome from the report to be implemented for conservation scheme.	Complied
XIV	Oil catchers/oil traps shall be provided at all possible locations in rain/ storm water drainage system inside the factory premises.	Complied
XV	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 material substitutes in other processes.	Complied
	 (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 	



Sr. No.	Conditions stipulated in the EC letter	Status/Action Plan
	Waste water generation.	
XVI	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
XVII	At least 0.25% 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.	3.59 Crore rupees have been allocated for carrying out CER activities and to improve socio economic conditions of surrounding area. Following Activities are undertaken under CER fund: Construction of school for specially disabled children and lying of drinking water pipelines at Singhupura & Sithana villages.
XVIII	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.	Complied
XIX	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
XX	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.	Complied
XXI	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied



Setting up of additional 450 KTA of Polypropylene Production Plant in the Existing Naphtha Cracker Complex

Environmental Clearance No. J-11011/177/2016-IA.II(I) & EC Identification No. EC21A018HR144149 dated 16.12.2021 from Ministry of Environment & Forests

Six-monthly compliance report (Jan'22- Jun'22)

A. SPECIFIC CONDITIONS

S.No	Conditions stipulated in the EC letter	Status/Action Plan
I	Existing naphtha cracker complex shall adhere to complete ZLD.	Will be Complied
11	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, and risk mitigation measures relating to the project shall be Implemented.	Will be Complied
Ш	Total fresh water requirement shall not exceed 47040 m3/day and it will be met from Western Yamuna Canal. Necessary permission in this regard shall be obtained from the concerned regulatory authority. The fresh water requirement shall be reduced after installation of rainwater harvesting system in the Unit/project area.	Will be Complied
IV	Comprehensive water audit to be conducted on annual basis and report to the concerned Regional Office of MoEF&CC. Outcome from the report to be implemented for conservation scheme.	Will be Complied
V	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Will be Complied
VI	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.	Will be Complied
VII	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.	Will be Complied
VIII	Regular VOC monitoring shall be done at vulnerable points.	Will be Complied
IX	The oily sludge shall be subjected to melting pit for oil recovery and the residue shall be bio-remediated. The sludge shall be stored in HDPE lined pit with proper leachate collection system.	Will be Complied
X	Oil catchers/oil traps shall be provided at all possible locations in rain/storm water drainage system inside the factory premises.	Will be Complied
ΧI	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 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 cleaning etc. to reduce wastewater generation.	Will be Complied

S.No	Conditions stipulated in the EC letter	Status/Action Plan
XII	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.	Will be Complied
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 socio-economic 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
XIV	The project proponent shall ensure 70% of the employment to the local people, as per the applicable law. The project proponent shall set up a skill development center/provide skill development training to village people.	Will be Complied
XV	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Will be Complied
XVI	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.	Will be Complied
XVII	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. In case of the treated effluent to be utilized for irrigation/gardening, real time monitoring system shall be installed at the ETP outlet.	
XVIII	PP to set up occupational health Centre for surveillance of the worker's health within and outside the plant on a regular basis. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	
XIX	The National Emission Standards for Petrochemical (Basic & Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated 9th November, 2012 as amended time to time shall be followed.	
XX	Recommendations of mitigation measures from possible accident shall be implemented based on Risk Assessment studies conducted for worst case scenarios using latest techniques.	Will be Complied
XXI	The project proponent shall develop R& D facilities to develop their own technologies for propylene and polypropylene processing.	Will be Complied

0110

B. GENERAL CONDITIONS

Sr. No.	Conditions stipulated in the EC letter	Status/Action Plan
I	No further expansion or modifications in the plant, other than 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.	Will be Complied
II	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Will be Complied
II	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 suggestions / representations were received while processing the proposal for EC.
	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&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.	Will be Complied

P.V.

Sr. No.	Conditions stipulated in the EC letter	Status/Action Plan
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.	Will be Complied
IX	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.	Public notice was issued in Tribune and Denik Bhaskar newspaper on 21.12.2021.
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

Ph



NITYA LABORATORIES

43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com www.nityalab.com

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

Test Report

Issued To

M/s Indian Oil Corporation Limited

(Refinery Division)

Panipat Naptha Cracker Haryana, INDIA Test Report No.:

202206030110, 202206060110, 202206100110, 202206130110

202206170110, 202206200110, 202206240110, 202206170115

Test Report Date:

06/07/2022

Sample Particulars

Nature of the Sample

Sampling Location

Purpose of Monitoring

Method of Sampling

Monitoring Conducted By

Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

: Quality Control Lab

To Check the Pollution Load

: IS 5182 (Part 14)

Mr. Rishi Pal

24 Hrs.

Date of						Parame	eter					
Sampling	Particulat e Matter (PM2.5) µg/m3	Particul ate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb¹) µg/ m3	Carbon Monoxi de (as CO) mg/m3	Ammoni a (as NH3) ug/m3	Nickel (as Ni²) ng/m³	Arseni c (as As³) ng/m 3	Benzo (a)pyre ne (as BAP ⁴) ng/m ³	Benzen e (C6H6 ⁵ , ug/m3
03/06/2022	30.46	78.28	18.26	28.48	18.16	ND	1.06	32.48	ND	ND	ND	1.13
06/06/2022	32.40	82.16	22.40	30.10	20.26	ND	1.14	38.62	ND	ND	ND	1.04
10/06/2022	28.16	86.40	26.18	38.26	22.40	ND	1.02	34.24	ND	ND	ND	1.08
13/06/2022	34.64	88.20	20.50	28.40	19.56	ND	1.08	36.92	ND	ND	ND	1.12
17/06/2022	31.18	84.72	23.26	34.14	21.82	ND	1.12	33.60	ND	ND	ND	1.08
20/06/2022	30.82	80.96	21.84	32.28	23.64	ND	1.08	34.16	ND	ND	ND	1.04
24/06/2022	33.90	86.10	20.40	30.12	20.16	ND	1.08	35.24	ND	ND	ND	1.02
27/06/2022	34.62	88.42	25.14	34.68	22.76	ND	1.05	31.92	ND	ND	ND	1.12
Minimum	28.16	78.28	18.26	28.4	18.16	-	1.02	31.92	-	-	-	1.02
Maximum	34.64	88.42	26.18	38.26	23.64	-	1.14	38.62	-	-	-	1.13
Average	32.02	84.40	22.24	32.05	21.09	-	1.07	34.64	-	-	-	1.07
NAAQM Standards	60	100	80	80	100	1	2	400	20	6	1	5
Test Method	40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP /AAQ- 11	IS:5182 (P-10)	Method of Air Samplin g & Analysis	NL/SO P/AAQ -13	NL/SO P/AAQ -12	IS:5182 (P-12)	IS:5182 (P-11)

*NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (38)], [Part-II-sec.-3(i)] 16.11.2009

ND-Below Detection Limit, 'Arsenic-ND [DL- 0.5], 'Benzene-ND [DL- 0.5], 'Lead-ND [DL- 0.5], 'Nickel-ND [DL- 1.0Sample Analysed within Seven days from the date of sampling.

(AUTHORISED SIGNATORY)

(RAVINDER MITTAL)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report is intended only for your guidance and not for legal purpose or for advertisement. This report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories is limited invoiced amount only.

If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES:

PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDIA



NITYA LABORATORIES

43, Sector-A1 Ext., Bhalla Enclave, Chann Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com www.nityalab.com

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

Test Report

Issued To

M/s Indian Oil Corporation Limited

(Refinery Division) Panipat Naptha Cracker Haryana, INDIA

Test Report No.:

202207040115, 202207070114, 202207110115, 202207140111

202207180111, 202207210115, 202207250122, 202207280115

Test Report Date: 08/08/2022

Sample Particulars

Nature of the Sample Sampling Location

Purpose of Monitoring Method of Sampling

Monitoring Conducted By

Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

Quality Control Lab

To Check the Pollution Load

IS 5182 (Part 14)

Mr. Rishi Pal

24 Hrs

Date of Sampling						Param	eter					
Sampling	Particulat e Matter (PM2.5) µg/m3	Particul ate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxi de (as CO) mg/m3	Ammoni a (as NH3) ug/m3	Nickel (as Ni ²) ng/m ³	Arseni c (as As ³) ng/m	Benzo (a)pyre ne (as BAP ⁴)	Benzer e (C6H6 ⁵ ug/m3
04/07/2022	33.16	84.16	20.92	30.14	21.68	ND	1.12	36.24	ND	3	ng/m³	
07/07/2022	30.14	80.16	24.61	36.80	23.42	ND	1.08	SAME US TO	ND	ND	ND	1.12
11/07/2022	32.18	84.62	23.40	34.64	26.66	ND		32.16	ND	ND	ND	1.06
14/07/2022	30.64	80.82	21.82	27.28	20.84		1.04	31.82	ND	ND	ND	1.02
18/07/2022	28.48	86.28	20.62	32.16	23.64	ND ND	1.14	34.16	ND	ND	ND	1.10
21/07/2022	32.60	83.14	22.42	34.24	21.82	ND ND	1.16	38.28	ND	ND	ND	1.06
25/07/2022	30.28	80.74	19.42	31.48	24.72	ND	1.11	36.40	ND	ND	ND	1.08
28/07/2022	31.92	82.64	22.16	33.16	20.46		1.04	32.82	ND	ND	ND	1.04
Minimum	28.48	80.16	19.42	27.28	20.46	ND -	1.04	35.94	ND	ND	ND	1.14
Maximum	22.44		189318040600		20.40		1.04	31.82	7.0	-	-	1.02
	33.16	86.28	24.61	36.80	26.66	. •	1.16	38.28	-	-		1.14
Average	31.18	82.82	21.92	32.49	22.91	-	1.09	34.73	-		-	1.08
NAAQM Standards	60	100	80	80	100	1	2	400	20	6	1	5
est lethod	40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP /AAQ- 11	IS:5182 (P-10)	Method of Air Samplin g & Analysis	NL/SO P/AAQ -13	NL/SO P/AAQ -12	IS:5182 (P-12)	IS:5182 (P-11)

NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (38)], [Part-II-sec.-3(i)] 16.11.2009 ND-Below Detection Limit, Arsenic-ND [DL- 0.5], BAP-ND [DL- 0.5], Benzene-ND [DL- 0.5], Lead-ND [DL- 0.5], Nickel-ND [DL- 1.0Sample Analysed within Seven days from the date of sampling.

(AUTHORISED SIGNATORY)

(RAVINDER MITTAL)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of the sample state of the sample state of the sample state. The sample state of the s If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES :-

PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDIA

491-129-2241021

1 +91-9013591021, +91-9013552273

labsnitya@gmail.com



NITYA LABORATORIES

• 43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com 🛭 www.nityalab.com

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

Test Report

Issued To

M/s Indian Oil Corporation Limited

(Refinery Division) Panipat Naptha Cracker Haryana, INDIA

ULR No .:

TC636622000000736F,642F, 648F, 716F, 784F, 838F

Test Report Date:

05/09/2022

Sample Particulars

Nature of the Sample

Sampling Location

Purpose of Monitoring

Method of Sampling

Monitoring Conducted By

Ambient Air Quality Monitoring

Quality Control Lab

To Check the Pollution Load

IS 5182 (Part 14)

Mr. Rishi Pal

Date of Sampling					Param	eter				
7019	Particulate Matter (PM2.5) µg/m3	Particul ate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxi de (as CO) mg/m3	Ammonia (as NH3) ug/m3	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m3
08/08/2022	34.33	84.38	22.51	30.15	17.69	BDL	1.18	34.27	BDL	BDL
12/08/2022	31.33	88.65	20.81	26.14	21.90	BDL	1.16	36.22	BDL	BDL
15/08/2022	38.36	86.61	24.17	34.59	24.50	BDL	1.05	42.44	BDL	BDL
22/08/2022	42.06	90.67	26.80	40.10	18.54	BDL	1.09	44.62	BDL	BDL
26/08/2022	44.82	92.53	21.97	32.61	21.40	BDL -	1.04	41.28	BDL	BDL
29/08/2022	34.91	85.92	23.67	30.87	23.59	BDL	1.07	37.84	BDL	BDL
Minimum	31.33	84.28	20.81	26.14	17.69	-	1.04	34.27	-	-
Maximum	44.82	92.53	26.80	40.10	24.50	-	1.18	44.62	-	-
Average	37.64	88.13	23.32	32.41	21.27	-	1.10	39.45	•	-
NAAQM Standards	60	100	80	80	100	1	2	400	20	6
est Method	40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP /AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SOP/A AQ-13	NL/SOP AQ-12

*NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 16.11.2009 BDL-Below Detection Limit, Arsenic-BDL [LOQ- 0.5], BAP-BDL [LOQ- 0.5], Benzene-BDL [LOQ- 0.5], Lead-BDL [LOQ- 0.5], Nickel-BDL [LOQ- 1.0] Sample Analysed within Seven days from the date of sampling.



ORISED SIGNATORY) RAVINDER MITTAL)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any complaints about this report should be communication within 7 days of issue of this report. Total liability of Nitya Laboratories is limited invoiced amount only.

If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES :-

PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDI

+91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com



NITYA LABORATORIES

 43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com 🛭 www.nityalab.com

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

Test Report

Issued To

M/s Indian Oil Corporation Limited

(Refinery Division)

Panipat Refinery, Distt. Panipat

Haryana, INDIA

Test Report No.:

202208010111, 202208050111, 202208080111, 202208120111

202208150111, 202208220111, 202208260111, 202208290111

05/09/2022

Test Report Date:

Sample Particulars

Nature of the Sample

Sampling Location

Purpose of Monitoring

Method of Sampling

Monitoring Conducted By

Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

Roof of Administration Building Annexe

To Check the Pollution Load

IS 5182 (Part 14)

Mr. Rishi Pal

24 Hrs.

Analysis Report

Date of Sampling	Paramo	eter
	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3
08/08/2022	BDL	0.95
12/08/2022	BDL	1.04
15/08/2022	BDL	1.05
22/08/2022	BDL	1.08
26/08/2022	BDL	1.02
29/08/2022	BDL	1.16
Minimum	-	0.95
Maximum	-	1.16
Average	-	1.05
NAAQM Standards	1	5
Test Method	IS:5182 (P-12)	IS:5182 (P-11)

*NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 16.11.2009 BDL-Below Detection Limit, ³Arsenic-BDL [LOQ- 0.5], ⁴BAP-BDL [LOQ- 0.5], ⁵Benzene-BDL [LOQ- 0.5], ¹Lead-BDL [LOQ- 0.5], ²Nickel-BDL [LOQ- 1.0]

Sample Analysed within Seven days from the date of sampling.

ORISED HORISED SIGNATORY)

RAVINDER MITTAL)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories is limited invoiced amount only. If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES :-

PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDI

+91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com



Nitya NITYA LABORATORIES

NITYA LABORATORIES 43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com 🛭 www.nityalab.com

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

M/s Indian Oil Corporation Limited **Issued To**

> (Refinery Division) Panipat Refinery, Distt. Panipat Haryana, INDIA

Test Report No .:

202208010111, 202208050111

Test Report Date:

Test Report

05/09/2022

Sample Particulars

Nature of the Sample Sampling Location Purpose of Monitoring Method of Sampling Monitoring Conducted By

Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

Roof of Administration Building Annexe

To Check the Pollution Load

IS 5182 (Part 14)

Mr. Rishi Pal

24 Hrs.

Analysis Report

Date of						Param	eter					
Sampling	Particula te Matter (PM2.5) µg/m3	Particula te Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitroge n Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb¹) µg/ m3	Carbon Monoxid e (as CO) mg/m3	Ammon ia (as NH3) ug/m3	Nickel (as Ni ²) ng/m ³	Arsenic (as As ³) ng/m3	Benzo (a) pyrene (as BAP ⁴) ng/m ³	Benzen e (C6H6 ⁵) ug/m3
01/08/2022	39.28	68.24	17.24	27.78	20.16	BDL	1.24	37.22	BDL	BDL	BDL	A5400000
05/08/2022	34.46	72.14	21.14	28.22	22.14	BDL	1.20	41.29	BDL	BDL	BDL	0.79
Minimum	34.46	68.24	17.24	27.78	20.16	-	- 1.20	37.22	-	-	-	0.71
Maximum	39.28	72.14	21.14	28.22	22.14	-	1.24	41.29	-	-	-	0.79
Average	36.87	70.19	19.19	28.00	21.15	-	1.22	39.26	-	-	-	0.75
NAAQM Standards	60	100	80	80	100	1	2	400	20	6	1 IS:5182	5 IS:5182
Test Method	40CFR Appendix L Part 53 CPCB Guideline s	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:518 2 (P-9)	NL/SO P/AAQ- 11	IS:5182 (P-10)	Method of Air Samplin g & Analysis	NL/SO P/AAQ -13	NL/SOP /AAQ- 12	(P-12)	(P-11)

Remark:

*NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 16.11.2009 BDL-Below Detection Limit, ³Arsenic-BDL [LOQ- 0.5], ⁴BAP-BDL [LOQ- 0.5], ⁵Benzene-BDL [LOQ- 0.5], ¹Lead-BDL [LOQ- 0.5], ²Nickel-BDL [LOQ- 1.0] Sample Analysed within Seven days from the date of sampling.

> (AUTHORISED SIGNATORY) (RAVINDER MITTAL)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report NUTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any complaints about this report should to communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories is limited invoiced amount only.

If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES :-

PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDI

H +91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com



BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

NITYA LABORATORIES

9 43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com @www.nityalab.com

Test Report

Issued To

M/s Indian Oil Corporation Limited

(Refinery Division) Panipat Naptha Cracker Haryana, INDIA

ULR No.:

TC636622000000853F, TC636622000000866F, TC636622000000885F

TC636622000000902F, TC636622000000938F, TC636622000000999F

TC636622000001043F, TC636622000001079F

Test Report Date:

06/10/2022

Sample Particulars

Nature of the Sample

Sampling Location

Method of Sampling

Monitoring Conducted By

Purpose of Monitoring

Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

Quality Control Lab

To Check the Pollution Load

IS 5182 (Part 14)

Mr. Rishi Pal

24 Hrs.

Date of	Parameter													
Sampling	Particulate Matter (PM2.5) µg/m3	Particul ate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxid e (as CO) mg/m3	Ammoni a (as NH3) ug/m3	Nickel (as Ni²) ng/m³	Arseni c (as As³) ng/m3	Benzo (a) pyren e (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3		
02/09/2022	33.16	84.16	20.92	30.14	21.68	ND	1.12	36.24	ND	ND	ND	1.12		
05/09/2022	30.14	80.16	24.61	36.80	23.42	ND	1.08	32.16	ND	ND	ND	1.06		
08/09/2022	32.18	84.62	23.40	34.64	26.66	ND	1.04	31.82	ND	ND	ND	1.02		
12/09/2022	30.64	80.82	21.82	27.28	20.84	ND	1.14	34.16	ND	ND	ND	1.10		
15/09/2022	28,48	86.28	20.62	32.16	23.64	ND	1.16	38.28	ND	ND	ND	1.06		
19/09/2022	32.60	83.14	22.42	34.24	21.82	ND	1.11	36.40	ND	ND	ND	1.08		
22/09/2022	30.28	80.74	19.42	31.48	24.72	ND	1.04	32.82	ND	ND	ND	1.04		
27/09/2022	31.92	82.64	22.16	33.16	20.46	ND	1.04	35.94	ND	ND	ND	1.14		
Minimum	28.48	80.16	19.42	27.28	20.46		1.04	31.82	-	- 10		1.02		
Maximum	33.16	86.28	24.61	36.80	26.66	•	1.16	38.28			-	1.14		
Average	31.17	82.82	21.92	32.48	22.90	-	1.09	34.72	•		•	1.07		
NAAQM Standards	60	100	80	80	100	1	2	400	20	6	1	5		
Test Method	40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/ AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SO P/AAQ- 13	NL/SO P/AAQ- 12	IS:5182 (P-12)	IS:5182 (P-11)		

*NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 16.11.2009 ND-Below Detection Limit, 3Arsenic-ND [DL- 0.5], 4BAP-ND [DL- 0.5], 5Benzene-ND [DL- 0.5], 1Lead-ND [DL- 0.5], Nickel-ND [DL- 1.0Sample Analysed within Seven days from the date of sampling.

TC-6366

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This NOTE: The laboratory accepts the responsibility for content or report. The results contained in this less report resides only to the sample tested. Less report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of this report so therwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories is limited invoiced amount only. If you have any complaints/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES :-

PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDIA

+91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com



Nitya NITYA LABORATORIES

NITYA LABORATORIES

• 43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com @www.nityalab.com

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

Test Report

Issued To

M/s Indian Oil Corporation Limited

(Refinery Division) Panipat Naptha Cracker Haryana, INDIA

ULR No.:

TC636622000001532F, 1573F, 1614F, 1664F,1707F

Test Report Date:

24/11/2022

Sample Particulars

Nature of the Sample

Sampling Location

Purpose of Monitoring

Method of Sampling

Monitoring Conducted By

Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

Quality Control Lab

To Check the Pollution Load

IS 5182 (Part 14)

Mr. Rishi Pal

24 Hrs.

Date of						Parame	ter					
Sampling	Particulate Matter (PM2.5) µg/m3	Particul ate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb ¹) µg/ m3	Carbon Monoxid e (as CO) mg/m3	Ammoni a (as NH3) ug/m3	Nickel (as Ni ²) ng/m ³	Arseni c (as As ³) ng/m3	Benzo (a)pyren e (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3
01/11/2022	40.59	86.20	23.20	36.20	27.20	ND	1.12	35.60	ND	ND	ND	1.17
07/11/2022	37.60	83.10	22.10	41.20	25.60	CN	1.05	36.20	ND	ND	ND	1.24
10/11/2022	39.31	91.20	26.20	40.20	29.10	ND	1.11	37.40	ND	ND	ND	1.22
14/11/2022	38.46	92.20	25.20	45.60	31.50	ND	1.22	38.20	ND	ND	ND	1.16
17/11/2022	35.47	80.10	23.60	39.10	30.20	ND	1.32	32.40	ND	ND	ND	1.19
Minimum	35.47	80.10	22.10	36.20	25.60	-	1.05	32.40	•		12.	1.16
Maximum	40.59	92.20	26.20	45.60	31.50	6-0	1.32	38.20		•	-	1.24
Average	38.12	86.15	24.15	40.9	28.65	18.	1.18	35.3	-	•	-	1.21
NAAQM Standards	60	100	80	80	100	1	2	400	20	6	1	5
Test Method	40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/ AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SO P/AAQ- 13	NL/SO P/AAQ- 12	IS:5182 (P-12)	IS:5182 (P-11)

*NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (38)], [Part-II-sec.-3(i)] 16.11.2009 ND-Below Detection Limit, ³Arsenic-ND[DL- 0.5], ⁴BAP-ND[DL- 0.5], ⁵Benzene-ND[DL- 0.5], ¹Lead-ND[DL- 0.5], ²Nickel-ND[DL- 1.0 Sample Analysed within Seven days from the date of sampling.





d only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. report is intended only for your guidance and not for fegal purpose or for advertisement. This report shall not be reproduced except in full without the written approval of this organization. Siesue of test certificate units otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories if you have any complaints/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-191-2465597, +91-9873924933 poles will be destroyed after 30 days from the date of

CORPORATE OFFICE & CENTRAL LABORATORIES :-

PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDIA



NITYA LABORATORIES NITYA LABORATORIES 43, Sector-A1 Ext., Bhalla Enclave,

• 43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

U+91-191-2465597

info@nityalab.com www.nityalab.com

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

Test Report

Issued To

M/s Indian Oil Corporation Limited

(Refinery Division) Panipat Naptha Cracker Haryana, INDIA

ULR No. :

TC636622000001213F, 1245F, 1289F, 1305F, 1362F, 1462F

1495F, 1510F

Test Report Date:

03/11/2022

Sample Particulars

Nature of the Sample Sampling Location

Purpose of Monitoring Method of Sampling

Monitoring Conducted By Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

Quality Control Lab

To Check the Pollution Load

IS 5182 (Part 14)

Mr. Rishi Pal

24 Hrs.

Date of	Parameter													
Sampling	Particulate Matter (PM2.5) µg/m3	Particul ate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Ozone (as O3) ug/m3	Lead (as Pb¹) µg/ m3	Carbon Monoxid e (as CO) mg/m3	Ammoni a (as NH3) ug/m3	Nickel (as Ni²) ng/m³	Arseni c (as As³) ng/m3	Benzo (a)pyren e (as BAP ⁴) ng/m ³	Benzene (C6H6 ⁵) ug/m3		
03/10/2022	39.49	85.45	22.24	35.49	26.24	ND	1.10	34.30	ND	ND	ND	1.15		
06/10/2022	36.45	82.46	21.23	40.23	24.55	ND	1.01	35.50	ND	ND	ND	1.23		
10/10/2022	38.85	90.45	25.49	39.64	28.39	ND	1.09	36.76	ND	ND	ND	1.20		
13/10/2022	37.77	91.33	24.45	44.24	30.45	ND	1.20	37.89	ND	ND	ND	1.14		
17/10/2022	34.45	79.45	22.39	38.45	29.39	ND	1.30	31.21	ND	ND	ND	1.17		
20/10/2022	32.79	78.46	25.67	36.79	24.44	ND -	1.25	32.34	ND	ND	ND	1.16		
24/10/2022	40.23	85.14	25.47	38.54	28.96	ND	1.20	34.44	ND	ND	ND	1.20		
27/10/2022	41.11	88.45	23.45	33.42	25.45	ND	1.20	35.89	ND	ND	ND	1.16		
Minimum	32.79	78.46	21.23	33.42	24.44		1.01	31.21			٠	1.14		
Maximum	41.11	91.33	25.67	44.24	30.45		1.30	37.89			Mess.	1.23		
Average	37.64	85.14	23.79	47.51	27.23	4 .	1.16	34.79	•		•	1.17		
NAAQM Standards	60	100	80	80	100	1	2	400	20	6	1	. 5		
Test Method	40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-9)	NL/SOP/ AAQ-11	IS:5182 (P-10)	Method of Air Sampling & Analysis	NL/SO P/AAQ- 13	NL/SO P/AAQ- 12	IS:5182 (P-12)	IS:518: (P-11)		

Remark:

*NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)] 16.11.2009 ND-Below Detection Limit, Arsenic-ND[DL-0.5], BAP-ND[DL-0.5], Benzene-ND[DL-0.5], Lead-ND[DL-0.5], Nickel-ND[DL-1.0Sample Analysed within Seven days from the date of sampling.



(AUTHORISED SIGNATORY) RAVINDER MITTAL)

NOTE: The laboratory excepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test-estimate unless otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Niya Laboratones is imited invoiced amount only.

If you have any complaint/feedback regarding the sample collection/festing/fest report, please send an email at info@mityalab.com and call at +91-191-2455597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES :-

PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDIA

E +91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com



NITYA LABORATORIES

43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com www.nityalab.com

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB **Test Report**

M/s Indian Oil Corporation Limited **Issued To**

> (Refinery Division) Panipat Naptha Cracker Haryana, INDIA

Test Report No .:

202206240116-117, 202206250113-117, 202206270115-118

202206280117-121, 202206290110

Test Report Date: 07/07/2022

Sample Particulars

Nature of the Sample

Purpose of Monitoring

Method of Sampling Monitoring Conducted By **Stack Monitoring**

To Check the Pollution Load

IS: 11255 (Part 7)

Mr. Rishi Pal

Sr. No.	Stack Particulars	Date of Sampling	Stack Heigh t	Stack Dia. (mtr.)	Ambie nt Temp.	Stac k Tem	Averag e Gas Velocit	Partice Matters ¹		Nickel & Vanadium ² (as Ni & V) ²		
			(mtr.)	3 3	(°C)	p. (°C)	y (m/s)	mg/Nm³	Kg/hr	mg/N m³	Kg/hr	PPM
1	Stack-1 Swing Unit DTA/VAP-02	24-06-2022	70	1.80	32	165	8.94	ND	(8)	ND	(B)	
2	Stack-2 Swing Unit DTA/VAP-01	24-06-2022	70	1.80	30	185	8.90	ND	1.5	ND	-	-
3	Stack-3 MEG Unit	29-06-2022	70	3.10	29	212	9.10	8.48	1.3	ND	-	
4	Stack-4 NCU H300	25-06-2022	70	3.10	45	198	9.99	7.37	1.3	ND		-
5	Stack-5 NCU H400	25-06-2022	70	3.10	45	195	10.11	8.21	1.4	ND		-
6	Stack-6 NCU H500	25-06-2022	70	3.10	35	178	8.97	8.10	1.3	ND	-	-
7	Stack-7 NCU H600	25-06-2022	70	3.10	31	185	9.01	9.28	1.5	ND	-	
8	Stack-8 NCU H700	25-06-2022	70	3.10	30	190	9.44	9.38	1.5	ND	-	-
9	Stack-9 NCU H100	27-06-2022	70	3.10	35	130	8.72	9.48	1.7	ND	-	-
10	Stack-10 NCU H200	27-06-2022	70	3.10	33	122	8.43	8.46	1.5	ND		
11	Stack-11 CPP HRSG 2	28-06-2022	70	3.30	37	110	8.50	6.38	1.3	ND	-	
12	Stack-12 CPP HRSG 3	28-06-2022	70	3.30	39	121	8.38	8.43	1.6	ND	3.5	
13	Stack-13 CPP HRSG 4	28-06-2022	70	3.30	34	120	8.28	8.18	1.6	ND	-	
14	Stack-14 CPP HRSG 5	28-06-2022	70	3.30	32	119	8.07	9.36	1.8	ND	-	
15	Stack-15 CPP UB2	28-06-2022	70	3.30	41	137	8.28	8.48	1.6	ND	-	-
	Pow	missible Limite	/mm/Nm3	`			Gas	10	0		-	
	Per	missible Limits	(mg/mm ^s	,			Liquid	10	0		5	
		Test	Method					IS:1125	5 (P-1)	USEPA N	lethod 29	By AAS

Remark:

ND-Below Detection Limit, ¹ Particulate Matters (as PM)-ND [DL- 5.0], ² Nickel & Vanadium (as Ni & V)*-ND [DL- 0.5] Sample Analysed within six days from the date of sampling.

(AUTHORISED SIGNATORY)

(RAVINDER MITTAL)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report is intended only for your guidance and not for legal purpose or for advertisement. This report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories is limited nvoiced amount only.

If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES :-

PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDIA

3 +91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com



Nitya NITYA LABORATORIES

NITYA LABORATORIES

• 43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com @www.nityalab.com

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB Test Report

M/s Indian Oil Corporation Limited Issued To

> (Refinery Division) Panipat Naptha Cracker Haryana, INDIA

Test Report No.:

202206240116-117, 202206250113-117, 202206270115-118

202206280117-121, 202206290110

Test Report Date:

07/07/2022

Sample Particulars

Nature of the Sample

Purpose of Monitoring Method of Sampling

Monitoring Conducted By

Stack Monitoring

To Check the Pollution Load

IS: 11255 (Part 7)

Mr. Rishi Pal

Sr. No.	Stack Particulars	Date of Sampling	Stack Heigh t	Stack Dia. (mtr.)	Ambien t Temp. (°C)	Stack Temp. (°C)	Averag e Gas Velocit	Oxid	des of Sulp (as SO _X)	ohur	Oxide	es of Nitr (as NO _x)	-
			(mtr.)				y (m/s)	mg/ Nm³	Kg/hr	РРМ	mg/N m³	Kg/h r	РРМ
1	Stack-1 Swing Unit DTA/VAP-02	24-06-2022	70	1.80	32	165	8.94	6	0.3	3.2	88	4.90	46.77
2	Stack-2 Swing Unit DTA/VAP-01	24-06-2022	70	1.80	30	185	8.90	8	0.4	4.3	88	4.67	46.77
3	Stack-3 MEG Unit	29-06-2022	70	3.10	29	212	9.10	23	3.5	12.2	122	18.54	64.85
4	Stack-4 NCU H300	25-06-2022	70	3.10	45	198	9.99	6	1.0	3.2	99	17.01	52.62
5	Stack-5 NCU H400	25-06-2022	70	3.10	45	195	10.11	6	1.1	3.2	90	15.75	47.84
6	Stack-6 NCU H500	25-06-2022	70	3.10	35	178	8.97	6	1.0	3.2	84	13.53	44.65
7	Stack-7 NCU H600	25-06-2022	70	3.10	31	185	9.01	6	1.0	3.2	94	14.97	49.96
8	Stack-8 NCU H700	25-06-2022	70	3.10	30	190	9.44	3	0.5	1.6	64	10.57	34.02
9	Stack-9 NCU H100	27-06-2022	70	3.10	35	130	8.72	3	0.5	1.6	68	11.92	36.14
10	Stack-10 NCU H200	27-06-2022	70	3.10	33	122	8.43	3	0.5	1.6	60	10.37	31.89
11	Stack-11 CPP HRSG 2	28-06-2022	70	3.30	37	110	8.50	ND	-	-	300	61.12	159.46
12	Stack-12 CPP HRSG 3	28-06-2022	70	3.30	39	121	8.38	ND	-	•	82	16.02	43.58
13	Stack-13 CPP HRSG 4	28-06-2022	70	3.30	34	120	8.28	ND	-	140	135	26.12	71.76
14	Stack-14 CPP HRSG 5	28-06-2022	70	3.30	32	119	8.07	ND	-		140	26.47	74.41
15	UB Boiler-2	28-06-2022	70	3.30	41	137	8.28	9	1.7	4.8	160	29.67	85.04
					1		Gas		50		1	350	
	Po	ermissible Limi	ts (mg/Nr	n³)			Liquid		1700			450	

Remark:

ND-Below Detection Limit, Oxides of Sulphur (as SO_X)-ND (DL-1.0) Sample Analysed within six days from the date of sampling. All above Parameters are measures with Flue Gas Analyser.

(AUTHORISED SIGNATORY)

(RAVINDER MITTAL)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report is intended only for your guidance and not for legal purpose or for advertisement. This report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories is limited nvoiced amount only

If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES :-

PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDIA

+91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com



NITYA LABORATORIES

• 43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com 🛭 www.nityalab.com

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

Test Report

Issued To M/s Indian Oil Corporation Limited

(Refinery Division) Panipat Naptha Cracker Haryana, INDIA

Test Report No .:

202206240116-117, 202206250113-117, 202206270115-118

202206280117-121, 202206290110

Test Report Date:

07/07/2022

Sample Particulars

Nature of the Sample Purpose of Monitoring

Method of Sampling

Monitoring Conducted By

Stack Monitoring

To Check the Pollution Load

IS: 11255 (Part 7)

Mr. Rishi Pal

Sr. No.	Stack Particulars	Date of Sampling	Stack Height (mtr.)	Stack Dia. (mtr.)	Dia. Temp.	Stack Temp. (°C)	Average Gas Velocity	Carbon Monoxide (as CO)		
							(m/s)	mg/Nm³	Kg/hr	PPM
1	Stack-1 Swing Unit DTA/VAP-02	24-06-2022	70	1.80	32	165	8.94	2	0.11	1.75
2	Stack-2 Swing Unit DTA/VAP-01	24-06-2022	70	1.80	30	185	8.90	2	0.11	1.75
3	Stack-3 MEG Unit	29-06-2022	70	3.10	29	212	9.10	19	2.89	16.59
4	Stack-4 NCU H300	25-06-2022	70	3.10	45	198	9.99	ND	-	-
5	Stack-5 NCU H400	25-06-2022	70	3.10	45	195	10.11	ND	•	-
6	Stack-6 NCU H500	25-06-2022	70	3.10	35	178	8.97	ND		
7	Stack-7 NCU H600	25-06-2022	70	3.10	31	185	9.01	ND	4	-
8	Stack-8 NCU H700	25-06-2022	70	3.10	30	190	9.44	ND		170
9	Stack-9 NCU H100	27-06-2022	70	3.10	35	130	8.72	ND	4	-
10	Stack-10 NCU H200	27-06-2022	70	3.10	33	122	8.43	2	27.71	118.71
11	Stack-11 CPP HRSG 2	28-06-2022	70	3.30	37	110	8.50	136	27.74	123.95
12	Stack-12 CPP HRSG 3	28-06-2022	70	3.30	39	121	8.38	142	26.90	121.33
13	Stack-13 CPP HRSG 4	28-06-2022	70	3.30	34	120	8.28	139	26.47	122.21
14	Stack-14 CPP HRSG 5	28-06-2022	70	3.30	32	119	8.07	140	27.71	118.71
15	Stack-15 CPP UB2	28-06-2022	70	3.30	41	137	8.28	ND	-	-
				11 73			Gas		150	
		Permissible Li	mits (mg/l	am ₃)			Liquid		200	

ND-Below Detection Limit, Carbon Monoxide (as CO) ND (DL-1.0) Sample Analysed within six days from the date of sampling. All above Parameters are measures with Flue Gas Analyser.

(AUTHORISED SIGNATORY)

(RAVINDER MITTAL)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report is intended only for your guidance and not for legal purpose or for advertisement. This report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories is limited

If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES :-

PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDIA

+91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com



Nitya NITYA LABORATORIES

NITYA LABORATORIES

• 43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com www.nityalab.com

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

Test Report

Issued To M/s Indian Oil Corporation Limited

> (Refinery Division) Panipat Naptha Cracker Haryana, INDIA

ULR No .:

TC636622000000657F-659F, TC636622000000695F-698F

TC636622000000717F-719F, TC636622000000734F-737F

TC636622000000762F

Test Report Date:

30/08/2022

Sample Particulars

Nature of the Sample

Purpose of Monitoring

Method of Sampling

Monitoring Conducted By

Stack Monitoring

To Check the Pollution Load

IS: 11255 (Part 7)

Mr. Rajendra Pratap

Sr. No.	Stack Particulars	Date of Sampling	Stack Heigh t	Stack Dia. (mtr.)	Ambie nt Temp.	nt k Temp. Tem	Averag e Gas Velocit	Partice Matters ¹		Nickel & Vanadium ² (as Ni & V) ²		
	60 K 3.07 D. 01/13/11	N STALL THY	(mtr.)		(°C)	(°C)	(m/s)	mg/Nm³	Kg/hr	mg/Nm	Kg/h	PPM
1	Stack-1 NCU H500	18-08-2022	70	3.10	34	178	9.04	8.24	1.3	ND	-	-
2	Stack-2 NCU H600	18-08-2022	70	3.10	31	191	9.20	9.34	1.5	ND	-	-
3	Stack-3 NCU H700	18-08-2022	70	3.10	28	195	9.46	8.46	1.4	ND	-	-
4	Stack-4 NCU H100	20-08-2022	70	3.10	35	185	9.30	8.68	1.4	ND	-	
5	Stack-5 NCU H200	20-08-2022	70	3.10	35	175	9.26	9.12	1.5	ND	-	-
6	Stack-6 NCU H300	20-08-2022	70	3.10	34	198	9.78	8.46	1.4	ND	-	-
7	Stack-7 NCU H400	20-08-2022	70	3.10	29	199	10.16	8.38	1.5	ND	-	-
8	Stack-8 CPP HRSG 2	22-08-2022	70	3.30	39	151	8.48	8.64	1.6	ND	-	-
9	Stack-9 CPP HRSG 3	22-08-2022	70	3.30	38	138	8.75	9.21	1.8	ND	-	-
10	Stack-10 CPP HRSG 4	22-08-2022	70	3.30	31	145	9.09	9.34	1.9	ND	-	-
11	Stack-11 CPP HRSG 5	23-08-2022	70	3.30	32	149	8.51	8.26	1.5	ND	+	-
12	Stack-12 CPP UB2	23-08-2022	70	3.30	34	151	8.63	9.18	1.7	ND		-
13	Stack-13 Swing Unit DTA/VAP-01	23-08-2022	70	1.80	38	38	7.74	ND	•	ND	-	-
14	Stack-14 Swing Unit DTA/VAP-02	23-08-2022	70	1.80	36	189	9.21	ND		ND	-	2
15	Stack-15 MEG Unit	24-08-2022	70	3.10	34	209	9.37	9.45	1.5	ND	-	-
18 67	Born	riccible Limite	(/Bl3				Gas	10	,		-	
	reili	nissible Limits ((mg/Nn-)				Liquid	100	0		5	
		Test	Method					IS:11255	5 (P-1)	USEPA Me	ethod 29	By AA

ND-Below Detection Limit, 1 Particulate Matters (as PM)-ND [DL- 5.0], 2 Nickel & Vanadium (as Ni & V)*-ND [DL- 0.5] Sample Analysed within six days from the date of sampling.



-6366

(RAVINDER MITTAL)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report is intended only for your guidance and not for legal purpose or for advertisement. This report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories is limited

If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nitvalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES:

PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDIA

3 +91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com



BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

NITYA LABORATORIES

 43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

C +91-191-2465597

info@nityalab.com 🛭 www.nityalab.com

Test Report

Issued To M/s Indian Oil Corporation Limited

> (Refinery Division) Panipat Naptha Cracker Haryana, INDIA

Test Report No .:

202208180131-133, 202208200126-129, 202208220123-125

202208230110-113, 202208240121

Test Report Date:

30/08/2022

Sample Particulars

Nature of the Sample Purpose of Monitoring Method of Sampling

Monitoring Conducted By

Stack Monitoring

To Check the Pollution Load

IS: 11255 (Part 7)

Mr. Rajendra Pratap

Sr. No.	Stack Particulars	rs Date of Sampling	Stack Heigh t	eigh Dia. t Temp. Temp. t (mtr.) (°C) (°C)		Averag e Gas Velocit	Oxid	des of Sulp (as SO _X)	phur	Oxid	es of Nit (as NO _x		
		Ga.	(mtr.)				y (m/s)	mg/ Nm³	Kg/hr	PPM	mg/N m³	Kg/h	PPM
1	Stack-1 NCU H500	18-08-2022	70	3.10	34	178	9.04	3	0.5	1.6	62	10.06	32.95
2	Stack-2 NCU H600	18-08-2022	70	3.10	31	191	9.20	6	1.0	3.2	82	13.17	43.58
3	Stack-3 NCU H700	18-08-2022	70	3.10	28	195	9.46	9	1.5	4.8	74	12.12	39.33
4	Stack-4 NCU H100	20-08-2022	70	3.10	35	185	9.30	6	1.0	3.2	82	13.48	43.58
5	Stack-5 NCU H200	20-08-2022	70	3.10	35	175	9.26	6	1.0	3.2	90	15.07	47.84
6	Stack-6 NCU H300	20-08-2022	70	3.10	34	198	9.78	3	0.5	1.6	88	14.80	46.77
7	Stack-7 NCU H400	20-08-2022	70	3.10	29	199	10.16	6	1.0	3.2	80	13.94	42.52
8	Stack-8 CPP HRSG 2	22-08-2022	70	3.30	39	151	8.48	ND	-	-	172	31.59	91.42
9	Stack-9 CPP HRSG 3	22-08-2022	70-	3.30	38	138	8.75	ND	-	-	176	34.39	93.55
10	Stack-10 CPP HRSG 4	22-08-2022	70	3.30	31	145	9.09	9	1.8	4.8	277	55.31	147.23
11	Stack-11 CPP HRSG 5	23-08-2022	70	3.30	32	149	8.51	0	0.0	0.0	304	56.28	161.58
12	Stack-12 CPP UB2	23-08-2022	70	3.30	34	151	8.63	9	1.7	4.8	174	32.52	92.48
13	Stack-13 Swing Unit DTA/VAP-01	23-08-2022	70	1.80	38	38	7.74	6	0.4	3.2	78	5.30	41.46
14	Stack-14 Swing Unit DTA/VAP-02	23-08-2022	70	1.80	36	189	9.21	6	0.3	3.2	92	5.01	48.90
15	Stack-15 MEG Unit	24-08-2022	70	3.10	34	209	9.37	12	1.9	6.4	16	2.52	8.50
				-			Gas		50			350	
	Pe	rmissible Limit	s (mg/Nm	3)			Liquid		1700			450	

ND-Below Detection Limit, Oxides of Sulphur (as SOx)-ND (DL-1.0) Sample Analysed within six days from the date of sampling. All above Parameters are measures with Flue Gas Analyser.

(RAVINDER MITTAL)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report is intended only for your guidance and not for legal purpose or for advertisement. This report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories is lin

If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES :-

PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDIA

+91-129-2241021

III +91-9013591021, +91-9013552273

labsnitya@gmail.com



NITYA LABORATORIES

43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com www.nityalab.com

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

Test Report

Issued To M/s Indian Oil Corporation Limited

> (Refinery Division) Panipat Naptha Cracker Haryana, INDIA

Test Report No .:

202208180131-133, 202208200126-129, 202208220123-125

202208230110-113, 202208240121

Test Report Date:

30/08/2022

Sample Particulars

Nature of the Sample

Purpose of Monitoring

Method of Sampling Monitoring Conducted By Stack Monitoring

To Check the Pollution Load

IS: 11255 (Part 7)

Mr. Rajendra Pratap

Sr. No.	Stack Particulars	Date of Sampling	Stack Height (mtr.)	Stack Dia. (mtr.)	Ambient Temp. (°C)	Stack Temp. (°C)	Average Gas Velocity	Car	Carbon Monoxide (as CO)	
1	-	1.5					(m/s)	mg/Nm³	Kg/hr	PPM
1	Stack-1 NCU H500	18-08-2022	70	3.10	34	178	9.04	ND	-	
2	Stack-2 NCU H600	18-08-2022	70	3.10	31	191	9.20	ND		-
3	Stack-3 NCU H700	18-08-2022	70	3.10	28	195	9.46	ND	-	2
4	Stack-4 NCU H100	20-08-2022	70	3.10	35	185	9.30	ND	-	-
5	Stack-5 NCU H200	20-08-2022	70	3.10	35	175	9.26	ND	-	
6	Stack-6 NCU H300	20-08-2022	70	3.10	34	198	9.78	ND		
7	Stack-7 NCU H400	20-08-2022	70	3.10	29	199	10.16	ND	-	
8	Stack-8 CPP HRSG 2	22-08-2022	70	3.30	39	151	8.48	123	22.59	107.37
9	Stack-9 CPP HRSG 3	22-08-2022	70	3.30	38	138	8.75	138	26.97	120.46
10	Stack-10 CPP HRSG 4	22-08-2022	70	3.30	31	145	9.09	40	7.99	34.92
11	Stack-11 CPP HRSG 5	23-08-2022	70	3.30	32	149	8.51	100	18.51	87.29
12	Stack-12 CPP UB2	23-08-2022	70	3.30	34	151	8.63	9	1.68	7.86
13	Stack-13 Swing Unit DTA/VAP-01	23-08-2022	70	1.80	38	38	7.74	6	0.41	5.24
14	Stack-14 Swing Unit DTA/VAP-02	23-08-2022	70	1.80	36	189	9.21	4	0.22	3.49
15	Stack-15 MEG Unit	24-08-2022	70	3.10	34	209	9.37	8	1.26	6.98
		Permissible Lin	nits (mg/Nn	n³)	-		Gas		150	
mark:			()				Liquid		200	

ND-Below Detection Limit, Carbon Monoxide (as CO) ND (DL-1.0)

Sample Analysed within six days from the date of sampling. All above Parameters are measures with Flue Gas Analyser.

(RAVINDER MITTAL)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report is intended only for your guidance and not for legal purpose or for advertisement. This report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories is limited

If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES :-

PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDIA

3 +91-129-2241021

III +91-9013591021, +91-9013552273

labsnitya@gmail.com

TLV for Noise (OISD-GDN-166, First Edition, July, 1997) **Exposure Time (In hours)** TLV (in dB) 8 90 4 95 2 100 1 105 1/2 hrs. 110 SOUND LEVEL METER MODEL NO. :- RT-5001 METER SR. NO .:- 111102404 MAKE:- REYTHON TECHNOLOGY **CALIBRATION ON:- 10.01.2022 NEXT DUE DATE OF CLIBRATION:-09.01.2023** Noise survey of Target units of PNCP - (July-2022) S.NO Plant/Unit Source Sound Level(dB) Date 1 WWTP(ETP) 73-K-08-B PUMP 82.2 14.07.2022 WWTP(ETP) 3 PUMP HOUSE-04 1st Floor PUMP 73.8 14.07.2022 4 WWTP(ETP) 73-P-18-C PUMP 76 14.07.2022 5 WWTP(ETP) PUMP HOUSE -05 1st floor PUMP 83.6 14.07.2022 12 WWTP(ETP) PUMP HOUSE -1&2 1st floor **PUMP** 73.3 14.07.2022 13 WWTP(ETP) PUMP HOUSE -1&2 Ground floor PLIMP 74.4 14.07.2022 14 WWTP(ETP) PUMP HOUSE -07 1st floor PUMP 80 14.07.2022 15 WWTP(ETP) PUMP HOUSE -07 Ground floor **PUMP** 75 14.07.2022 16 WWTP(ETP) DAF COMPRESSOR SHED COMPRESSOR 84.2 14.07.2022 17 WWTP(ETP) 73-K-01-A COMPRESSOR 83 14.07.2022 18 WWTP(ETP) PUMP HOUSE-06 1st floor **PUMP** 74.5 14.07.2022 WWTP(ETP) 19 PUMP HOUSE-06 Ground floor **PUMP** 77 14.07.2022 20 WWTP(ETP) 73-P-06-C PUMP 81 14.07.2022 21 WWTP(ETP) 73-P-06-B PUMP 79 14.07.2022 22 WWTP(ETP) 73-P-06-A **PUMP** 80.3 14.07.2022 23 WWTP(ETP) PUMP HOUSE -11 1st floor PUMP 78.2 14.07.2022 24 WWTP(ETP) PUMP HOUSE -11 Ground floor PUMP 80 14.07.2022 25 WWTP(ETP) 73-P-11-C PUMP 80.1 14.07.2022 29 WWTP(ETP) PUMP HOUSE-03 1st floor PUMP 76.7 14.07.2022 30 WWTP(ETP) 73-P-19-B PUMP 81.2 14.07.2022 31 WWTP(ETP) PUMP HOUSE-03 Ground floor PUMP 79 14.07.2022 Noise survey of Target units of PNCP - (July-2022) S.NO Plant/Unit Area Source Sound Level(dB) Date 1 NCU 11-PM-1502-B PUMP 78.1 20.07.2022 2 NCU 11-PM-1503-B PUMP 79 20.07.2022 3 NCU 11-PM-9004-B PUMP 80.6 20.07.2022 4 NCU 11-P-1501-D PUMP 84 20.07.2022 5 NCU 11-P-1501-C PUMP 83.5 20.07.2022 6 NCU 11-P-1501-A QWC PUMP 84.4 20.07.2022 7 NCU 11-P-1401-C **PUMP** 84.7 20.07.2022 8 NCU 11-P-1401-B QWC PUMP 84.4 20.07.2022 9 NCU 11-P-7101-B SHP BFW PUMP 83.5 20.07.2022 10 NCU 11-P-7101-A SHP BFW PUMP 84.4 20.07.2022 11 NCU 11-PM-7020-B PUMP 80.8 20.07.2022 12 NCU 11-PM-7021-C PUMP 82.4 20.07.2022 13 **GROUND FLOOR** NCU 11-K-2000 80.4 20.07.2022 CGC COMPRESSOR 14 First FLOOR CGC NCU 11-K-2000 82.5 20.07.2022 COMPRESSOR

11-K-6001

11-K-6001

11-PM-6001

15

16

17

NCU

NCU

NCU

GROUND FLOOR

PRC COMPRESSOR
FIRST FLOOR PRC

COMPRESSOR

PUMP

81.5

84.8

85



20.07.2022

20.07.2022

20.07.2022

18	NCU	11-PM-2002-B	PUMP	84.4	20.07.2022
19	NCU	11-K-3101	GROUND FLOOR MRC COMPRESSOR	71.6	20.07.2022
20	NCU	11-K-3101	FIRST FLOOR MRC COMPRESSOR	75.1	20.07.2022
24	NCU	11-PM-4201-B	PUMP	82.8	20.07.2022
21	NCU NCU	11-P-4101-A	PUMP	83.4	20.07.2022
22	NCU	11-P-4502-A	PUMP	82.6	20.07.2022
23	NCU	11-PM-4204-A	PUMP	81.4	20.07.2022
24	NCU	11-PM-4001-B	PUMP	83.8	20.07.2022
25	NCU	11-PM-4001-A	PUMP	82.5	20.07.2022
26	NCU	11-P-4205-A	PUMP	82.7	20.07.2022
28	NCU	11-PM-4501-A	PUMP	82.3	20.07.2022
29	NCU	11-PM-5002-B	PUMP	80.4	20.07.2022
30	NCU	11-PM-5001-B	PUMP	82.5	20.07.2022
31	NCU	11-P-4802-B	PUMP	81.5	20.07.2022
32	NCU	11-PM-4803-A	PUMP	84.4	20.07.2022
33	NCU	11-PM-4601-A	PUMP	85	20.07.2022
nise survey o	of Target units of PNCP - (July-20	22)			
S.NO	Plant/Unit	Area	Source	Sound Level(dB)	Date
1	NCAU	11-P-5302-A	PUMP	83.6	20.07.2022
2	NCAU	11-P-5301-B	PUMP	80	20.07.2022
3	NCAU	11-P-5502-B	PUMP	83.4	20.07.2022
4	NCAU	11-P-5501-B	PUMP	84.8	20.07.2022
5	NCAU	11-P-5508-A	PUMP	85	20.07.2022
6	NCAU	11-P-5504-A	PUMP	84.4	20.07.2022
7	NCAU	11-P-5510-A	PUMP	84.7	20.07.2022
8	NCAU	11-P-5512-A	PUMP	84.4	20.07.2022
9	NCAU	11-P-5507-A	PUMP	83.3	20.07.2022
10	NCAU	11-P-5506-A	PUMP	81	20.07.2022
11	NCAU	11-P-5506-B	PUMP	83.5	20.07.2022
12	NCAU	11-P-5509-B	PUMP	84.2	20.07.2022
13	NCAU	13-PM-5703-A	PUMP	80.6	20.07.2022
14	NCAU -	13-PM-5704-A	PUMP	85	20.07.2022
15	NCAU	13-P-5706-B	PUMP	79.8	20.07.2022
16	NCAU	13-P-5709-A	PUMP	83	20.07.2022
17	NCAU	13-P-5709-B	PUMP	82.5	20.07.2022
18	NCAU	13-PM-5711-A	PUMP	84.2	20.07.2022
19	NCAU	16-PM-2412-A	PUMP	84.3	20.07.2022
20	NCAU	16-PM-2410-A	PUMP	85	20.07.2022
21	NCAU	16-PM-2418-A	PUMP	84.8 78.4	20.07.2022
22	NCAU	13-P-5701-B	PUMP	84	20.07.2022
23	NCAU	12-K-1231	COMPRESSOR	81.9	20.07.2022
24	NCAU	12-P-1591-B	PUMP	82	20.07.2022
25	NCAU	12-P-1341-B	PUMP	83.5	20.07.2022
26	NCAU	12-PM-1345-B	PUMP	83.8	20.07.2022
27	NCAU	12-P-1125-A	PUMP	84	20.07.2022
28	NCAU	12-P-1123-A 12-P-1130-B	PUMP.	83.7	20.07.2022
29	NCAU	12-P-1130-B 12-P-1124-B	PUMP	85	20.07.2022
30	NCAU	12-P-1124-B	PUMP	79	20.07.2022
31	NCAU	12-P-1121-B	PUMP	80	20.07.2022
32	NCAU	12-P-1234-A	PUMP	80.5	20.07.2022
33	NCAU	12-P-1233-A	PUMP	82.3	20.07.2022
34	NCAU	12-P-1232-B	PUMP	82	20.07.2022
35	NCAU	12-P-1451-A	PUMP	84	20.07.2022
36	NCAU of Target units of PNCP - (July-				
	Plant/Unit	Area	Source	Sound Level(dB)	Date
S.NO	COOLING TOWER-1	49-PM-101-H	CT PUMP	83	23.07.202
2	COOLING TOWER-1	49-PM-101-G	CT PUMP	83.5	23.07.202
	COOLING TO THE T				23.07.202



4	COOLING TOWER-1	49-PM-101-D	CT PUMP	85	22.07.2022
5	COOLING TOWER-1	49-PM-101-C	CT PUMP	84.3	23.07.2022
6	COOLING TOWER-1	49-PM-101-B	CT PUMP	85	23.07.2022
7	COOLING TOWER-1	49-PM-101-A	CT PUMP	84.9	23.07.2022
	of Target units of PNCP - (Ju	ıly-2022)		Edit of Alpha Separation	23.07.2022
S.NO	Plant/Unit	Area	Source	Sound Level(dB)	Date
1	PTD GANTARY	CONTROL ROOM	CONTROL ROOM	59.6	25.07.2022
3	PTD GANTARY	68-K-001-B	COMPRESSOR	80.9	25.07.2022
4	PTD GANTARY	LOADING AREA	LOADING AREA	79.7	25.07.2022
4	PTD GANTARY	68-K-100	COMPRESSOR	83	25.07.2022
Noise survey	of Target units of PNCP - (A	ugust 2022)			
S.NO	Plant/Unit	Area			
1	Butene-1	32-PM-303-A	Source	Sound Level(dB)	Date
2	Butene-1	32-P-402-A	PUMP PUMP	84	22.08.2022
3	Butene-1	32-P-403-B	PUMP	83.1 82	22.08.2022
4	Butene-1	32-P-401-A	PUMP	82.6	22.08.2022
. 5	Butene-1	32-P-405-A	PUMP	85	22.08.2022
6	Butene-1	32-P-406	PUMP	83.3	22.08.2022
7	Butene-1	32-PM-202-B	PUMP	84.5	22.08.2022
	of Target units of PNCP - (Au	igust-2022)			22.00.2022
S.NO	Plant/Unit	Area	Source	Sound Level(dB)	Date
1	SWING	31-PM-411-S	PUMP	84.7	22.08.2022
3	SWING	31-PM-412-S	PUMP	80.2	22.08.2022
4	SWING	31-KM-401-B	FD FAN	84.6	22.08.2022
5	SWING SWING	31-KM-414-B	PUMP	83.3	22.08.2022
6	SWING	31-PM-414-A	PUMP	84.5	22.08.2022
7	SWING	31-KM-401-A 31-PM-102-S	FD FAN	83	22.08.2022
8	SWING	31-PM-101	PUMP	83.5	22.08.2022
9	SWING	31-PM-104	PUMP	83.6	22.08.2022
10	SWING	31-PM-103	PUMP	82.6 85	22.08.2022
11	SWING	UNDER H2 COMPRESSOR AREA	COMPRESSOR	83.2	22.08.2022
12	SWING	31-ME-314	WATER PELLETIZER	80	22.08.2022
13	SWING	PELLETIZER UNIT AREA	WATER PELLETIZER	82	22.08.2022
14	SWING	31-PM-306-A	PUMP	82	22.08.2022
15	SWING	31-KM-318	COMPRESSOR	85	22.08.2022
16 17	SWING	31-KM-320	COMPRESSOR	83.1	22.08.2022
18	SWING SWING	31-KM-324	COMPRESSOR	85	22.08.2022
	of Target units of PNCP - (Aug	31-KM-327	COMPRESSOR	84.1	22.08.2022
S.NO	Plant/Unit				
1	POLYPROPLYENE	Area	Source	Sound Level(dB)	Date
2	POLYPROPLYENE	21-PM-1202 21-PM-1205	PUMP	81.3	23.08.2022
3	POLYPROPLYENE	21-PM-1205	PUMP	82	23.08.2022
4	POLYPROPLYENE	21-PM-1603	PUMP	84.1	23.08.2022
5	POLYPROPLYENE	21-PM-1302-B	PUMP	82.8	23.08.2022
6	POLYPROPLYENE	21-K-1802-B	BLOWER	83.3 82	23.08.2022
7	POLYPROPLYENE	EXTRUSION BUILDING	BUILDING	81.6	23.08.2022
8	POLYPROPLYENE	21-EXM-18512	. PELLETIZER UNIT	82.9	23.08.2022
9	POLYPROPLYENE	21-KM-1301	COMPRESSOR	83.3	23.08.2022
10	POLYPROPLYENE	21-KM-1501	COMPRESSOR	81.1	23.08.2022
12	POLYPROPLYENE	21-KM-2601	COMPRESSOR	80	23.08.2022
13	POLYPROPLYENE POLYPROPLYENE	21-PM-2604-B	PUMP	82	23.08.2022
14	POLYPROPLYENE	21-PM-2205	PUMP	82	23.08.2022
15	POLYPROPLYENE	21-PM-2201 21-PM-2202	PUMP	81.6	23.08.2022
16	POLYPROPLYENE	21-PM-2604-B	PUMP	82.9	23.08.2022
17	POLYPROPLYENE	NEAR CONTROL ROOM	PUMP CONTROL BOOM	83.3	23.08.2022
18	POLYPROPLYENE	21-KM-2804	CONTROL ROOM COMPRESSOR	83.3	23.08.2022
19	POLYPROPLYENE	21-KM-1804	COMPRESSOR	84.5 83	23.08.2022
20	POLYPROPLYENE	21-KM-1801	COMPRESSOR	83.5	23.08.2022
21					



		T 24 KM4 2404	COMPRESSOR	82.5	23.08.2022
22	POLYPROPLYENE	21-KM-2401	COMPRESSOR	84.2	23.08.2022
23	POLYPROPLYENE	21-KM-2901-C	COMPRESSOR	84.3	23.08.2022
24	POLYPROPLYENE	21-KM-2901-B	COMPRESSOR	85	23.08.2022
25	POLYPROPLYENE	21-KM-1901	COMPRESSOR	84.8	23.08.2022
26	POLYPROPLYENE	21-KM-1901-B	COMPRESSOR	78.4	23.08.2022
27	POLYPROPLYENE	21-KM-2301		84	23.08.2022
28	POLYPROPLYENE	21-K-2802-B	BLOWER	79	23.08.2022
29	POLYPROPLYENE	21-PM-2502-B	PUMP	79.9	23.08.2022
30	POLYPROPLYENE	21-PM-2302-A	PUMP	80	23.08.2022
31	POLYPROPLYENE	21-PM-2501-A	PUMP	80	23.08.2022
	of Target units of PNCP - (A		Source	Sound Level(dB)	Date
S.NO	Plant/Unit	Area	CONTROL ROOM	64	27.08.2022
1	MEG	MEG CONTROL ROOM 42-P-750	PUMP	83.6	27.08.2022
2	MEG		PUMP	73.3	27.08.2022
3	MEG	42-P-621-A	COMPRESSOR	74.4	27.08.2022
4	MEG	42-KM-950	COMPRESSOR	80	27.08.2022
5	MEG	42-KM-320		75	27.08.2022
6	MEG	COMPRESSOR AREA	COMPRESSOR	84.2	27.08.2022
7	MEG	42-KM-115	COMPRESSOR	78.4	27.08.2022
8	MEG	NEAR COMPRESSOR UNDER PIPELINE	COMPRESSOR	84	27.08.2022
9	MEG	42-PM-220-A	PUMP		27.08.2022
10	MEG	42-PM-312-A	PUMP	79	27.08.2022
11	MEG	42-PM-540-A	PUMP	79.9	27.08.2022
12	MEG	42-P-320-B	PUMP	80	
13	MEG	42-PM-510-A	PUMP	84.6	27.08.2022
14	MEG	EVAPORATORS C-531-537	STEAM VENTS	84.4	27.08.2022
15	MEG	42-PM-970-A	PUMP	84.7	27.08.2022
16	MEG	42-PM-550-B	PUMP	83.3	27.08.2022
17	MEG	JEA CABIN NEAR EVAPORATORS	EA CABIN OUTERSID	84.5	27.08.2022
loise survey	of Target units of PNCP - (A	August-2022)			
S.NO	Plant/Unit .	Area	Source	Sound Level(dB)	Date
1	COOLING TOWER-II	50-PM-101-A	CT PUMP	84.2	29.08.2022
2	COOLING TOWER-II	50-PM-101-C	CT PUMP	84.3	29.08.2022
3	COOLING TOWER-II	50-PM-101-D	CT PUMP	85	29.08.2022
4	COOLING TOWER-II	50-PM-101-E	CT PUMP	82.9	29.08.2022
5	COOLING TOWER-II	50-PM-101-F	CT PUMP	84	29.08.2022
	of Target units of PNCP - (/	August-2022)			
S.NO	Plant/Unit	Area	Source	Sound Level(d8)	Date
1	HDPE	HDPE CONTROL ROOM	CONTROL ROOM	58.7	30.08.2022
	HDPE	41-EXPM-5101	EXTRUDER PUMP	84.3	30.08.2022
2	HDPE	EXTRUDER CONTROL ROOM OUTSIDE	CONTROL ROOM	85	30.08.2022
3	HDPE	EXTRUDER CONTROL ROOM OUTSIDE	CONTROL ROOM	61.1	30.08.2022
4	HDPE	EXTRUDER BUILDING	BUILDING	82	30.08.2022
5	HDPE	41-K-5401-A	COMPRESSOR	81.6	30.08.2022
6		41-K-5401-B	COMPRESSOR	82.9	30.08.2022
7	HDPE	41-K-5401-C	COMPRESSOR	84	30.08.2022
8	HDPE	41-K-2402-B	N2 COMPRESSOR	81.1	30.08.2022
9	HDPE	41-K-2402-A	N2 COMPRESSOR	84	30.08.2022
10	HDPE	41-PM-6201-A	PUMP	81.2	30.08.202
11	HDPE	41-PM-0201-A 41-PM-2201-A	PUMP	84	30.08.202
12	HDPE	41-PM-2201-A 41-PM-2101-A	PUMP	83	30.08.202
13	HDPE	41-K-2203-B	N2 BLOWER	84	30.08.202
14	HDPE	41-R-2203-B 41-P-6102-A	PUMP	81.2	30.08.202
15	HDPE		PUMP	78	30.08.202
16	HDPE	41-P-1104-A	PUMP	82.9	30.08.202
17	HDPE	41-PM-3101-A	PUMP	81.9	30.08.202
18	HDPE	41-P-3201-B	PUMP	82.7	30.08.202
19	HDPE	41-PM-3401-B		84.6	30.08.202
20	HDPE	41-P-6101-B	PUMP	85	30.08.202
21	HDPE	41-KM-6101-B	COMPRESSOR		30.08.202
	HDPE	41-K-3502	COMPRESSOR	84.7	30.08.202
22			PUMP	82.6	30.00.202
22	HDPE	41-P-1201-A			30 08 202
	HDPE HDPE	41-P-1201-A 41-P-1201-B 41-P-1202-A	PUMP	84.6 84.4	30.08.202 30.08.202



26	HDPE	41-P-1202-B	PUMP	84.7	30.08.20
27	HDPE	41-P-1301-B	PUMP	80.2	30.08.20
28	HDPE	41-P-6103-C	PUMP	84.6	30.08.20
29	HDPE	41-P-6103-A	PUMP	83	30.08.20
S.NO	ey of Target units of PNCP - (S			500000000000000000000000000000000000000	
1	Plant/Unit	Area	Source	Sound Level(dB)	Date
	IAPA	53-K-101-C	COMPRESSOR	83	07.09.20
. 2	IAPA	53-K-101-A	COMPRESSOR	85	07.09.20
	IAPA	COMPRESSOR HOUSE	COMPRESSOR	84.7	07.09.20
	ey of Target units of PNCP - (So	eptember-2022)			CONTRACTOR OF THE CO
S.NO	Plant/Unit	Area	Source	Sound Level(dB)	Date
1	CPP/TPS	Near GTG JEA Cabin outside	Generator	81	08.09.20
3	CPP/TPS	NEAR GTG JEA CABIN OUTSIDE	GENERATOR	74.6	08.09.20
4	CPP/TPS	52-2B-KM-403	FD FAN	75	08.09.20
5	CPP/TPS	53-3H-PM-401	PUMP	77	08.09.20
	CPP/TPS	52-PM-510	PUMP	80	08.09.20
6	CPP/TPS	52-PM-512	PUMP	81.5	08.09.20
7	CPP/TPS	DFP AREA	DFP PUMPS	83.4	08.09.20
8	CPP/TPS	52-PM-505	PUMP	84.6	08.09.20
9	CPP/TPS	52-PM-503	PUMP	84.5	08.09.20
10	CPP/TPS	52-PM-501	PUMP	85	08.09.20
11	CPP/TPS	NEAR JEA CABIN 3	PUMPS	83.1	08.09.20
12	CPP/TPS	52-1H-402	PUMP	85	08.09.20
13	CPP/TPS	52-1H-KM-402	AIR FAN	84.1	08.09.20
14	CPP/TPS	GTG-1	GENERATOR	80.9	08.09.20
15	CPP/TPS	NEAR GTG-2	GENERATOR	82.1	08.09.20
16	CPP/TPS	NEAR GTG-3	GENERATOR	81.1	08.09.20
17	CPP/TPS	NEAR GTG -5	GENERATOR	79.2	08.09.20
18	CPP/TPS	NEAR STG-1	STG GENERATOR	82	08.09.202
19	CPP/TPS	NEAR STG-2	STG GENERATOR	83.7	08.09.202
20	CPP/TPS	NEAR STG-3	STG GENERATOR	84.6	08.09.202
21	CPP/TPS	OUTSIDE STG BUILDING	STG GENERATOR	82	08.09.202
22	CPP/TPS	CONTROL ROOM CPP	CONTROL ROOM	62	08.09.202
	y of Target units of PNCP - (Se	otember-2022)	Delta in a Latin and a		08.03.202
S.NO	Plant/Unit	Area	Source	Sound Level(dB)	Date
1	DMRO	46-PM-022-B	PUMP	81.1	09.09.202
2	DMRO	46-PM-002-C	PUMP	79	09.09.202
3	DMRO	46-PM-003-C	PUMP	74.6	09.09.202
4	DMRO	46-PM-003-A	PUMP	74.9	09.09.202
5	DMRO	46-P-005-C	PUMP	78.7	09.09.202
6	DMRO	46-P-005-B	PUMP	80.2	09.09.202
7	DMRO	46-P-005-A	PUMP	79.7	09.09.202
8	DMRO	46-P-017-A	PUMP	81.5	09.09.202
9	DMRO	46-P-004-D	PUMP	84.6	09.09.202
10	DMRO	46-P-004-C	PUMP	84.5	09.09.202
11	DMRO	46-P-004-B	PUMP	82	09.09.202
12	DMRO	46-P-019-C	PUMP	83.9	09.09.202
13	DMRO	46-P-019-B	PUMP	84.6	09.09.202
14	DMRO	46-PM-101-A	PUMP	85	09.09.202
	of Target units of DNCD / C-	tember-2022)		GOLD Grand Dukupan Library	09.09.202.
ise survey			T		
S.NO	Plant/Unit	Area	Source	Sound Level(dR)	Data
5.NO	Plant/Unit FWPH	Area FWPH 1st FLOOR	Source PUMP	Sound Level(dB) 84.6	Date 10.09.2022
S.NO 1 2	Plant/Unit FWPH - FWPH				10.09.2022
5.NO 1 2 3	Plant/Unit FWPH - FWPH FWPH	FWPH 1st FLOOR	PUMP	84.6	10.09.2022
S.NO 1 2 3 4	Plant/Unit FWPH - FWPH FWPH FWPH	FWPH 1st FLOOR 45-P-106-B	PUMP PUMP	84.6 85 83	10.09.2022 10.09.2022 10.09.2022
S.NO 1 2 3 4 5	Plant/Unit FWPH FWPH FWPH FWPH FWPH FWPH	FWPH 1st FLOOR 45-P-106-B 45-PAM-101-B	PUMP PUMP PUMP	84.6 85 83 83.7	10.09.202 10.09.202 10.09.202 10.09.202
5.NO 1 2 3 4 5 6	Plant/Unit FWPH - FWPH FWPH FWPH	FWPH 1st FLOOR 45-P-106-B 45-PAM-101-B 45-PAM-101-A	PUMP PUMP PUMP PUMP	84.6 85 83 83.7 79.8	10.09.202 10.09.202 10.09.202 10.09.202 10.09.202
5.NO 1 2 3 4 5 6 7	Plant/Unit FWPH FWPH FWPH FWPH FWPH FWPH FWPH	FWPH 1st FLOOR 45-P-106-B 45-PAM-101-B 45-PAM-101-A 45-PAM-104-B	PUMP PUMP PUMP PUMP PUMP	84.6 85 83 83.7	10.09.2022 10.09.2022 10.09.2022 10.09.2022
5.NO 1 2 3 4 5 6 7.7 S.NO	Plant/Unit FWPH FWPH FWPH FWPH FWPH FWPH FWPH FWPH	FWPH 1st FLOOR 45-P-106-B 45-PAM-101-B 45-PAM-101-A 45-PAM-104-B	PUMP PUMP PUMP PUMP PUMP	84.6 85 83 83.7 79.8 78	10.09.2022 10.09.2022 10.09.2022 10.09.2022 10.09.2022
5.NO 1 2 3 4 5 6	Plant/Unit FWPH FWPH FWPH FWPH FWPH FWPH FWPH FWPH	FWPH 1st FLOOR 45-P-106-B 45-PAM-101-B 45-PAM-101-A 45-PAM-104-B 45-PAM-103-D	PUMP PUMP PUMP PUMP PUMP PUMP	84.6 85 83 83.7 79.8 78	10.09.2022 10.09.2022 10.09.2022 10.09.2022 10.09.2022 10.09.2022
5.NO 1 2 3 4 5 6 7.7 S.NO	Plant/Unit FWPH FWPH FWPH FWPH FWPH FWPH FWPH FWPH	FWPH 1st FLOOR 45-P-106-B 45-PAM-101-B 45-PAM-101-A 45-PAM-104-B 45-PAM-103-D	PUMP PUMP PUMP PUMP PUMP PUMP Source	84.6 85 83 83.7 79.8 78	10.09.2022 10.09.2022 10.09.2022 10.09.2022 10.09.2022 10.09.2022



S.NO	Plant/Unit	Area	Source	Sound Level(dB)	Date
1	WWTP(ETP)	73-K-35-A	PUMP	78.8	27.10.2022
2	WWTP(ETP)	73-P-08-A	PUMP	83.5	27.10.2022
3	WWTP(ETP)	PUMP HOUSE-04 1st Floor	PUMP	75	27.10.2022
	WWTP(ETP)	PUMP HOUSE-04 Ground Floor	PUMP	77	27.10.2022
4	WWTP(ETP)	PUMP HOUSE -05 1st floor	PUMP	80	27.10.2022
5	WWTP(ETP)	PUMP HOUSE -05 Ground floor	PUMP	81.5	27.10.2022
6	WWTP(ETP)	73-P-02-A	PUMP	77.6	27.10.2022
7	WWTP(ETP)	73-K-02-E	BLOWER	79.6	27.10.2022
8		73-P-04-B	PUMP	85	27.10.2022
9	WWTP(ETP)	73-K-01-B	COMPRESSOR	84	27.10.2022
10	WWTP(ETP)	73-K-02-C	BLOWER	82.5	27.10.2022
11	WWTP(ETP)	PUMP HOUSE -1&2 1st floor	PUMP	76.1	27.10.2022
12	WWTP(ETP)	PUMP HOUSE -1&2 Ground floor	PUMP	75	27.10.2022
13	WWTP(ETP)	PUMP HOUSE -102 Ground Hoor	PUMP	75.6	27.10.2022
14	WWTP(ETP)	PUMP HOUSE -07 Ground floor	PUMP	77	27.10.2022
15	WWTP(ETP)	DAF COMPRESSOR SHED	COMPRESSOR	83	27.10.2022
16	WWTP(ETP)	73-K-05-B	COMPRESSOR	84.2	27.10.2022
17	WWTP(ETP)	PUMP HOUSE-06 1st floor	PUMP	74.1	27.10.2022
18	WWTP(ETP)	PUMP HOUSE-06 Ground floor	PUMP	72	27.10.2022
19	WWTP(ETP)	PUMP SHED 05	PUMP	81	27.10.2022
20	WWTP(ETP)	73-P-06-A	PUMP	82	27.10.2022
21	WWTP(ETP)	73-P-06-B	PUMP	83.5	27.10.2022
22	WWTP(ETP)	73-P-00-B	PUMP	82.4	27.10.2022
23	WWTP(ETP)		PUMP	85	27.10.2022
24	WWTP(ETP)	PUMP HOUSE -10 1st floor	PUMP	84.3	27.10.2022
25	WWTP(ETP)	PUMP HOUSE-10 Ground floor	PUMP	82.7	27.10.2022
26	WWTP(ETP)	73-P-07-C	PUMP	83.8	27.10.2022
27	WWTP(ETP)	73-P-07-B	PUMP	82.5	27.10.2022
28	WWTP(ETP)	73-P-03-C	PUIVIP	02.J	271201202
oise survey	of Target units of PNCP - (C	October-2022)	Source	Sound Level(dB)	Date
S.NO	Plant/Unit	Area	CONTROL ROOM	59.6	31.10.2022
1	PTD GANTARY	CONTROL ROOM		81	31.10.202
2	PTD GANTARY	NEAR 68-K-001-B	COMPRESSOR	80	31.10.202
3	PTD GANTARY	LOADING AREA	LOADING AREA	81.8	31.10.202
4	PTD GANTARY	68-K-100	COMPRESSOR	81.8	31.10.202.

Noise data of November not available due to shutdown process

	f Target units of PNCP - (De Plant/Unit	Area	Source	Sound Level(dB)	Date
S.NO	IAPA	IAPA CONTROL ROOM	CONTROL ROOM	84.6	16.12.2022
1		53-K-102	COMPRESSOR	85	16.12.2022
2	IAPA	53-K-101-A	COMPRESSOR	82.8	16.12.2022
3	IAPA	53-K-101-A	COMPRESSOR	82.7	16.12.2022
4	IAPA	COMPRESSOR HOUSE	COMPRESSOR	83.9	16.12.2022
5	IAPA		CONTRESSOR	Same Control of the C	
loise survey o	1 target mine	cember-2022)	Source ·	Sound Level(dB)	Date
S.NO	Plant/Unit	Area	PUMP	84.9	17.12.2022
1	DMRO	46-P-004-E	PUMP	80.8	17.12.2022
2	DMRO	46-P-004-D		84	17.12.2022
3	DMRO	46-P-004-C	PUMP	82	17.12.2022
4	DMRO	46-P-004-B	PUMP		17.12.2022
5	DMRO	46-P-004-A	PUMP	83.6	
6	DMRO	46-P-019-C	PUMP	84.5	17.12.202
7	DMRO	46-P-019-B	PUMP	81.9	17.12.2022
8	DMRO	46-P-019-A	PUMP	81.8	17.12.202
9	DMRO	46-P-005-F	PUMP	85	17.12.202
10	DMRO	46-P-005-E	PUMP	78.8	17.12.202
	DMRO	46-P-005-D	PUMP	77.8	17.12.202
11	DMRO	46-P-005-C	PUMP	78.5	17.12.202
12		46-PM-003-A	PUMP	74.7	17.12.202
13	DMRO	46-PM-003-B	PUMP	74.4	17.12.202
14	DMRO DMRO	46-PM-003-C	PUMP	75.4	17.12.202



16	DMRO	51-PM-001-A	PUMP	744	
17	DMRO	46-PM-022-A		74.1	17.12.2022
Noise survey		ember-2022)	PUMP	72	17.12.2022
S.NO	Plant/Unit	Area			
1	FWPH	FWPH Ist FLOOR	Source	Sound Level(d8)	Date
2	FWPH		PUMP	83.5	20.12,2022
3	FWPH	FWPH GROUND FLOOR	PUMP	82.8	20.12.2022
4		45-PAM-101-B	PUMP	83.7	20.12.2022
	FWPH	45-PAM-101-A	PUMP	84.9	20.12.2022
5	FWPH	45-PAM-104-B	PUMP	83.5	20.12.2022
6	FWPH	45-PAM-104-A	PUMP	82.6	
7	FWPH	45-PAM-103-D	PUMP		20.12.2022
8	FWPH	45-PAM-103-C		85	20.12.2022
oise survey		ember-2022)	PUMP	84.2	20.12.2022
S.NO	Plant/Unit	Area	-		
1	COOLING TOWER-3		Source	Sound Level(dB)	Date
2	COOLING TOWER-3	57-P-101-D	CW PUMP	83.2	21.12.2022
	COOLING TOWER-3	57-P-101-A	CW PUMP	84.1	21.12.2022

S.NO	Plant/Unit	Area	Source	C	
1	CPP	GTG CABIN OUTSIDE		Sound Level(dB)	Date
2	CPP	GTG BABIN INNERSIDE	BUILDING	70.9	22.12.2022
3	CPP	52-PM-510	BUILDING	61.1	22.12.2022
4	CPP		PUMP	85	22.12.2022
5	CPP	52-PM-512	PUMP	83	22.12.2022
6	CPP	DFP AREA	PUMP	83.7	22.12.2022
7 .		. 52-PM-505	PUMP	83.8	22.12.2022
8	CPP	52-PM-503	PUMP	81.9	22.12.2022
100	СРР	52-PM-502	PUMP	81.8	22.12.2022
9	СРР	52-PM-501	PUMP	85	22.12.2022
10	CPP	NEAR CABIN 3	PUMP	78.8	22.12.2022
11	CPP	52-1-H-KM-402	AIR FAN	84	22.12.2022
12	CPP	NEAR CABIN 2	BUILDING	80	
13	CPP	GENERATOR-1	GTG-1	79.2	22.12.2022
14	CPP	GENERATOR-2	GTG-2	78.9	22.12.2022
15	CPP	GENERATOR-4	GTG-2		22.12.2022
16	CPP	GENERATOR-5		78.9	22.12.2022
17	CPP	STG GENERATOR-1	GTG-5	79.2	22.12.2022
18	CPP	STG GENERATOR-1	STG-1	85	22.12.2022
19	CPP		STG-2	81.9	22.12.2022
20	CPP	STG GENERATOR-3	STG-3	82.7	22.12.2022
2.0	CFF	OUTSIDE STG BUILDING	STG GENERATOR	77.4	22.12.2022

OH Physician

Ind Hygienist

Shit



NITYA LABORATORIES

 43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com & www.nityalab.com

Test Report

Issued To

M/s Indian Oil Corporation Limited

(Refinery Division)

Panipat Naptha Cracker

Haryana, INDIA

Test Report No .:

202206150118

Test Report Date:

24/06/2022

Sample Particulars

Nature of the Sample & No. of Sample

Sample Quantity & Packaging

Test Started on

Test Completed

Method of Sampling

Date of Sampling

Sampling Conducted By

Place of Sampling

Wastewater & One No

1.0 Liter, Pet Bottle

16/06/2022

23/06/2022

SOP/B/D-3

15/06/2022

Mr. Rishi Pal

ETP Outlet-PNC

Test Report

Sr. No.	Parameter	Unit	Result	Permissible Limits	Protocol
1	pH		7.62	6.5-8.5	IS:3025 (P-11)
2	Total Suspended Solids (TSS)	mg/L	70	100 Max	IS:3025 (P-17)
3	Chemical Oxygen Demand (COD)	mg/L	130	250 Max	IS:3025 (P-58)
4	Bio-Chemical Oxygen Demand (3 days at 27°C) (BOD)	mg/L	15	30 Max	IS:3025 (P-44)
5	Phenols (C ₆ H ₅ OH)	mg/L	0.78	1.0 Max	IS:3025 (P-43)
6	Sulphide (S)	mg/L	1.6	2.0 Max	IS:3025 (P-29)
7	Fluoride	mg/L	2.6	5.0 Max	IS:3025 (P-60)
8	Chromium Hexavalent (Cr+6)	mg/L	0.06	0.1Max	IS:3025 (P-52)
9	Cyanide (CN)	mg/L	ND (DL-0.1)	0.20	APHA-23 rd Ed.
10	Total Chromium	mg/L	ND (DL-0.05)	2.0	IS:3025 (P-52)

(AUTHORISED SIGNATORY)

(RAVINDER MITTAL)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report is intended only for your guidance and not for legal purpose or for advertisement. This report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories is limited invoiced amount only. If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES :-



• 43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com www.nityalab.com

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

Test Report

Issued To

M/s Indian Oil Corporation Limited

Test Report No .:

202207290142

(Refinery Division)

Test Report Date:

06/08/2022

Panipat Naptha Cracker Haryana, INDIA

Sample Particulars

Nature of the Sample & No. of Sample

Wastewater & One No

Sample Quantity & Packaging

1.0 Liter, Pet Bottle

Test Started on

30/07/2022

Test Completed

05/08/2022

Method of Sampling

SOP/B/D-3

Date of Sampling

29/07/2022

Sampling Conducted By

Mr. Rishi Pal

Place of Sampling

ETP Outlet-PNC

Test Report

Sr. No.	Parameter	Unit	Result	Permissible Limits	Protocol
1	pH		7.18	6.5-8.5	IS:3025 (P-11)
2	Total Suspended Solids (TSS)	mg/L	64	100 Max	IS:3025 (P-17)
3	Chemical Oxygen Demand (COD)	mg/L	120	250 Max	IS:3025 (P-58)
4	Bio-Chemical Oxygen Demand (3 days at 27°C) (BOD)	mg/L	14	30 Max	IS:3025 (P-44)
5	Phenols (C ₆ H ₅ OH)	mg/L	0.72	1.0 Max	IS:3025 (P-43)
6	Sulphide (S)	mg/L	1.2	2.0 Max	IS:3025 (P-29)
7	Fluoride	mg/L	2.4	5.0 Max	IS:3025 (P-60)
8	Chromium Hexavalent (Cr+6)	mg/L	0.08	0.1Max	IS:3025 (P-52)
9	Cyanide (CN)	mg/L	ND (DL-0.1)	0.20	APHA-23 rd Ed.
10	Total Chromium	mg/L	ND (DL-0.05)	2.0	IS:3025 (P-52)

(AUTHORISED SIGNATORY)

(RAVINDER MITTAL)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report is intended only for your guidance and not for legal purpose or for adversaryment. This report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any comparints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories is limited invoiced amount only.

If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nitvalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES:



NITYA LABORATORIES

• 43. Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com @ www.nityalab.com

Test Report

Issued To

M/s Indian Oil Corporation Limited

ULR No .:

TC636622000000773F

(Refinery Division)

Panipat Naptha Cracker

Haryana, INDIA

Test Report Date:

01/09/2022

Sample Particulars

Nature of the Sample & No. of Sample

Sample Quantity & Packaging

Sample Received at Lab

Test Started on

Test Completed

Method of Sampling

Date of Sampling

Sampling Conducted By

Place of Sampling

Wastewater & One No

1.0 Liter, Pet Bottle

26/08/2022

26/08/2022

30/08/2022

SOP/B/D-3

25/08/2022

Mr. Rajendra Pratap

ETP Outlet-PNC

Test Report

Sr. No.	Parameter	Unit	Result	Permissible Limits	Protocol
1	pH		7.10	6.5-8.5	IS:3025 (P-11)
2	Total Suspended Solids (TSS)	mg/L	52	100 Max	IS:3025 (P-17)
. 3	Chemical Oxygen Demand (COD)	mg/L	120	250 Max	IS:3025 (P-58)
4	Bio-Chemical Oxygen Demand (3 days at 27°C) (BOD)	mg/L	21.5	30 Max	IS:3025 (P-44)
5	Phenols (C ₆ H ₅ OH)	mg/L	0.79	1.0 Max	IS:3025 (P-43)
6	Sulphide (S)	mg/L	1.5	2.0 Max	IS:3025 (P-29)
7	Fluoride	mg/L	3.4	5.0 Max	IS:3025 (P-60)
8	Chromium Hexavalent (Cr+6)	mg/L	0.03	0.1Max	IS:3025 (P-52)



-6366

ORISED SIGNATORY) (RAVINDER MITTAL)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test negarity shall not be reproduced except in full, without written approval of the laboratory. This report is intended only for your guidance and not for legal purpose or for advertisement. This report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of sissue of the certificate unless otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories is limited invoiced amount only. If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES :-



Nitya NITYA LABORATORIES

NITYA LABORATORIES

• 43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com @www.nityalab.com

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB **Test Report**

Issued To

M/s Indian Oil Corporation Limited

(Refinery Division) Panipat Naptha Cracker

Haryana, INDIA

Test Report No.:

202208250110

Test Report Date:

01/09/2022

Sample Particulars

Nature of the Sample & No. of Sample

Sample Quantity & Packaging

Sample Received at Lab

Test Started on

Test Completed

Method of Sampling

Date of Sampling

Sampling Conducted By

Place of Sampling

Waste Water & One No

1.0 Liter, Pet Bottle

26/08/2022

26/08/2022

30/08/2022

SOP/B/D-3

25/08/2022

Mr. Rajendra Pratap

ETP Outlet-PNC

Test Report

Sr. No.	Parameter	Unit	Result	Permissible Limits	Protocol
1	Cyanide (CN)	mg/L	ND (DL-0.1)	0.20	APHA-23 rd Ed.
2 -	Total Chromium	mg/L	ND(DL-0.05)	2.0	IS:3025 (P-52)

(AUTHORISED SIGNATORY)

(RAVINDER MITTAL)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This

report is intended only for your guidance and not for legal purpose or for advertisement. This report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nitya Laboratories is limited invoiced amount only. If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES :-



NITYA LABORATORIES

9 43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-191-2465597

info@nityalab.com www.nityalab.com

Test Report

Issued To

M/s Indian Oil Corporation Limited

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

(Refinery Division)

Panipat Naptha Cracker

Haryana, INDIA

ULR No.:

TC636622000000948F

Test Report Date:

27/09/2022

Sample Particulars

Nature of the Sample & No. of Sample

Sample Quantity & Packaging

Sample Received at Lab

Test Started on

Test Completed

Method of Sampling

Date of Sampling

Sampling Conducted By

Place of Sampling

Wastewater & One No

1.0 Liter, Pet Bottle

19/09/2022

19/09/2022

26/09/2022

SOP/B/D-3

16/09/2022

Mr. Rajend: a Pratap

ETP Outlet-PNC

Test Report

Sr. No.	Parameter	Unit	Result	Permissible Limits	Protocol
1	рН	334	7.18	6.5-8.5	IS:3025 (P-11)
2	Total Suspended Solids (TSS)	mg/L	64	100 Max	IS:3025 (P-17)
3	Chemical Oxygen Demand (COD)	mg/L	120	250 Max	IS:3025 (P-58)
4	Bio-Chemical Oxygen Demand (3 days at 27°C) (BOD)	mg/L	14	30 Max	IS:3025 (P-44)
5	Phenols (C ₆ H ₅ OH)	mg/L	0.72	1.0 Max	IS:3025 (P-43)
6	Sulphide (S)	mg/L	1.2	2.0 Max	IS:3025 (P-29)
7	Fluoride	mg/L	2.4	5.0 Max	IS:3025 (P-60)
8	Chromium Hexavalent (Cr+6)	mg/L	0.08	0.1Max	IS:3025 (P-52)
9	Cyanide (CN)	mg/L	ND (DL-0.1)	0.20	APHA-23 rd Ed.
10	Total Chromium	mg/L	ND (DL-0.05)	2.0	IS:3025 (P-52)

ND-Not Detected Limit, DL-Detection Limit



In this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report is intended only for your guidance and not for legal purpose or for advertisement. This report shall not be reproduced except in full without the written approval of destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue Laboratories is limited invoiced amount only.

If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nitvalab.com and call at +91-191-2455597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES :-



BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

NITYA LABORATORIES

- 43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India
- +91-191-2465597
- info@nityalab.com www.nityalab.com

Test Report

Issued To

M/s Indian Oil Corporation Limited

ULR No.:

TC636622000001314F

(Refinery Division)
Panipat Naptha Cracker

Test Report Date:

22/10/2022

Haryana, INDIA

Sample Particulars

Nature of the Sample & No. of Sample

Wastewater& One No

Sample Quantity & Packaging

1.0 Liter, Pet Bottle

Sample Received at Lab

14/10/2022

Test Started on

14/10/2022

Test Completed

21/10/2022

Method of Sampling

SOP/B/D-3

Date of Sampling

13/10/2022

Sampling Conducted By

: Mr. Rajendra Pratap

Place of Sampling

ETP Outlet-PNC

Test Report

Sr. No.	Parameter	Unit	Result	Permissible Limits	Protocol
1 .	pH	300	7.30	6.5-8.5	IS:3025 (P-11)
2	Total Suspended Solids (TSS)	mg/L	75	100 Max	IS:3025 (P-17)
3	Chemical Oxygen Demand (COD)	mg/L	130	250 Max	IS:3025 (P-58)
4	Bio-Chemical Oxygen Demand (3 days at 27°C) (BOD)	mg/L	25	30 Max	IS:3025 (P-44)
5	Phenols(C ₆ H ₅ OH)	mg/L	0.90	1.0 Max	IS:3025 (P-43)
6	Sulphide (S)	mg/L	1.4	2.0 Max	IS:3025 (P-29)
7	Fluoride	mg/L	3.26	5.0 Max	IS:3025 (P-60)
8	Chromium Hexavalent (Cr+6)	mg/L	0.02	0.1Max	IS:3025 (P-52)
9	Cyanide (CN)	mg/L	ND (DL-0.1)	0.20	APHA-23 rd Ed.
10	Total Chromium	mg/L	0.08	2.0	IS:3025 (P-52)

Remark

ND-Not Detected Limit DL-Detection Limit



(AUTHORISED SIGNATORY)

NOTE: The laboratory accepts the responsibility for content of report. The results contained in this test report related only to the sample tested. Test report shall not be reproduced except in full, without written approval of the laboratory. This report is intended only for your guidance and not for legal purpose or for advertisement. This report shall not be reproduced except in full without the written approval of this organization. Samples will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified. Any complaints about this report should be communicated in writing within 7 days of issue of this report. Total liability of Nityal Laboratories is limited involved amount only.

If you have any complaint/feedback regarding the sample collection/testing/test report, please send an email at info@nityalab.com and call at +91-191-2465597, +91-9873924093

CORPORATE OFFICE & CENTRAL LABORATORIES:-

LDAR (VOC) Monitoring Report

From

January 2022 to March 2022

at



IndianOil

IOCL, PANIPAT NAPHTHA CRACKER

Prepared by NETEL (INDIA) LIMITED



W-408, MIDC Rabale,

TTC Industrial Area, Navi Mumbai – 400 701

Phone: 7208097692/3/4/5

Email: ems@netel-india.com



LDAR (VOC) Monitoring Report for IOCL, Panipat Naphtha Craker

Name of client

M/s Indian Oli Corporation Limited

P.O. Panipat Refinery

Panipat-132 140

HARYANA

Name of Contractor

NETEL (INDIA) LIMITED

Environment Management Services

W-408, Pipe line Road, Rabale MIDC,

TTC Industrial Area, Navi Mumbai - 400 701

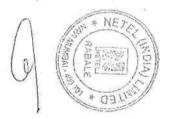
Nature of job

LDAR (VOC) Monitoring Report for IOCL, Panipat Naphtha Cracker

Report Period

3 Months From January 2022 to March, 2022

For NETEL (INDIA) LIMITED



ANIL SHELKE GENERAL MANAGER - EMS



LDAR (VOC) MONITORING REPORT FOR IOCL, PANIPAT NAPHTHA CRACKER

LEAK DETECTION AND REPAIR (LDAR) PROGRAM VOC QUARTERLY REPORT FROM JANUARY 2022 TO MARCH 2022 PLANTWISE SUMMARY

		. LANGE SO			
Sr.No.	Name of the Unit	Date of Monitoring	Total No of Points Monitored	Page No.	Total Leak (kg/day)
3	BUTADINE	28/03/2022	127	1 to 4	0.019
2	NCU.	29/03/2022	834	4 to 27	2.380
10	SWING UNIT	29/03/2022	407	27 to 38	3.166
4	BUTEN-1	29/03/2022	195	38 to 43	0.015
1	ETP	29/03/2022	85	43 to 45	0.010
9	OFF SITE	29/03/2022	220	45 to 51	0.028
7	HDPE	30/03/2022	579	51 to 67	0.050
8	LOADING GANTRY	30/03/2022	171	67 to 72	0.032
5	PP UNIT	31/03/2022	475	72 to 85	0.035
6	MEG	31/03/2022	246	85 to 91	0.046
otal in Kg/c	day	-	3339	-	5.781
otal in MT/	Annum	-		-	2.110

Verified by

Surekha Jamdar Technical Manager July + NET

Checked by

Shraddha Kere Quality Manager

LDAR (BENZENE) Monitoring Report

From

January 2022 to March 2022

at



IndianOil

IOCL, PANIPAT NAPHTHA CRACKER

Prepared by

NETEL (INDIA) LIMITED



W-408, MIDC Rabale,

TTC Industrial Area, Navi Mumbai - 400 701

Phone: 7208097692/3/4/5

Email: ems@netel-india.com



LDAR (BENZENE) Monitoring Report for IOCL, Panipat Naphtha Cracker

Name of client

M/s Indian Oli Corporation Limited

P.O. Panipat Refinery

Panipat-132 140

HARYANA

Name of Contractor

NETEL (INDIA) LIMITED

Environment Management Services W-408, Pipe line Road, Rabale MIDC,

TTC Industrial Area, Navi Mumbai - 400 701

Nature of job

LDAR (Benzene) Monitoring Report for IOCL, Panipat Naphtha Cracker

Report Period

3 Months from January 2022 to March2022

For NETEL (INDIA) LIMITED

ANIL SHELKE

GENERAL MANAGER-EMS



LDAR (BENZENE) MONITORING REPORT FOR IOCL, PANIPAT NAPHTHA CRACKER

LEAK DETECTION AND REPAIR (LDAR) PROGRAM BENZENE QUARTERLY REPORT FROM JANUARY 2022 TO MARCH 2022

PLANTWISE SUMMARY

Sr.No.	Name of the Unit	Date of Monitoring	Total No of Points Monitored	Page No.	Total Leak (kg/day)
1	NCU	29/03/2022	240	1 to 8	0.020
2	LOADING GANTRY	30/03/2022	80	8 to 10	1.014
Total in Kg/	day	1	320		1.034
Total in MT/	/Annum		<u> </u>		0.377

Verified by

Surekha Jamdar Technical Manager NET LE RABAN RABAN

Checked by

Shraddha Kere Quality Manager

SI. No.2156

MANIFEST FOR HAZARDOUS AND OTHER WASTE

	Sender's name and mailing address including Phone No. and e-mail)	1.0.C.L Naptha Cracker
		Panipart (H.R)
-	Sender's authorisation No.	HWM/PIT/2021/11695733
	Manifest Document No.	2156
•	Transporter's name and address : Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Delhi-110042
	Tipe of vehicle	(Yruck/Hallker/)Special/Venicle/.com
	ansporter's registration No.	07CKPPS3333F1ZX
	registration No. (1) HR 73 A 2019(11)	HR 73A 7219 (II) MPISTA EF &H
	Phone No. and e-mail)	Premier Refractories of India Pvt. Ltd. New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P)
	e s authorisation No.	H-46961
	Asset description	Spent Alumina
	Tuentty Containers	94.55 M.T moor MT Three Trucks Nos.
-		(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
7	and the sing instructions and additional	Jambo Begs
	Ajit Singh Jaloriya सहायकः प्रबंधकः (एव एस एवं ई.) Assistant Manager (H S & E) भाषतः रिफाइनरी (आई.।गे.सी.एल.)-132140 Primat Re	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.
		onth Day Year S
	edgment of receipt of Wastes	
	The True Refractories of Intervit. Ltd.	onth Day Year
	Signature M	ste onth Day Year
	Authorised Signatory	

Sender copy to be sent to SPCB

SI. No. 2157

MANIFEST FOR HAZARDOUS AND OTHER WASTE

s name and mailing address Phone No. and e-mail)	O.C.L Naththa Cracker
	Pamifort (H.R)
H1	WM/PIT/2021/11695733
Document No.	2157
Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Delhi-110042
The streeticle (Tr	ruck/Tahker/spedial Vehicle)com
escoter's registration No.	07CKPP\$3333F1ZX
======================================	16H1900(11) HR 73 H 2019
er's name and mailing Address The Phone No. and e-mail)	Premier Refractories of India Pvt. Ltd. New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P)
ar's authorisation No.	11 1 10 1 1
	H-46961
S description	spent Alumina
in anity in of Containers	89.58 M.T m³ or MT
	Three Trucks Nos.
(Soli	lid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
	Solid
handling instructions and additional	Jambo Begs
Ajit Singh Jatoriya Ajit Singh Jatoriya (एक एक एवं हैं.) and label cond (एक एक एक एक एक हैं) and label cond to ap	ereby declare that the contents of the signment are fully and accurately cribed above by proper shipping name are categorised, packed marked, and elled, and are in all respects in proper ditions for transport by road according oplicable national government regulations.
Signature Month	Day Year 2092
acknowledgment of receipt of Wastes	
Month	Day Year 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
s certification for receipt of hazardous and other waste	
Signature Month	Day Year 2022

SI. No. 2163

MANIFEST FOR HAZARDOUS AND OTHER WASTE

enter's name and mailing address	1.0.C.L Naphtha Cracker
Tang I Horie No. and e-mail)	Panipat (H.R)
Serier's authorisation No.	HWM/PIT/2021/11695733
test Document No.	2163
sporter's name and address :	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Delhi-110042
= of vehicle	(Truck/Tanker/Special Venicle).com
Temporter's registration No.	07CKPPS3333F1ZX
registration No. UUP 95 T 3222	(1) MP 18 H 2500
er's name and mailing Address and Phone No. and e-mail)	Premier Refractories of India Pvt. Ltd. New Ketni, Jn., P.O. Box No. 9, Katni-483501 (M.P)
er's authorisation No.	H-46961
acce description	Spent Alumina
= :_antity = : Containers	59.71 M.T m³ or MT
a form · .	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
ALCOHOL MICH	Solid
handling instructions and additional	Jambo Beys
S Certificate अजीत सिंह जालीरिका Alk Singh Jaloriya Alk Singh Jaloriya सहायक प्रवेषक (एव एस एवं ई.) Assistant Manager (1 S & E) पानीपत रिकाइनरी पानीपत रिकाइनरी पानीपत रिकाइनरी Signature Minimal 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.
Signature Me	onth Day Year
ter acknowledgment of receipt of Wastes	
Signature Metroctories of India Pvr. Ltd.	onth Day Year 7
s certification for receipt of hazardous and other was	ste
Signature Me	onth Day
Sender copy to be sent to SF	РСВ

ENLINES.

SI. No. 2164

MANIFEST FOR HAZARDOUS AND OTHER WASTE

s name and mailing address The property of the second sec	1.0.C.L Neiphta Cracked
	Panipat (H.R)
s authorisation No.	HWM/PIT/2021/11695733
Document No.	2164
Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Daini-110042
a vehicle	(Ťruck/Tanker/Special Vehicle)
Temporter's registration No.	07CKPPS3333F1ZX
registration No. (1) MP 09 HH 8061	(I) MP16H 1900
er's name and mailing Address Phone No. and e-mail)	Premier Refractories of India Pvt. Ltd. New Katni Jn., P.O. Box No. 9, Katni-483501 (M.P)
er's authorisation No.	H-46961
Manue description	Spent Alumina
Dentainers	59,83 M.T m³ or MT
form .	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
	Solid
handling instructions and additional	Jambo Begs
Stamp: Signature (आप्रकार) अभिन्न का अध्यापन के Applific of Mesters	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.
Signature (I.O.C.L) M	onth Day Year
2 Sekhowiedginent of receipt of stastes	
For Premier Refractories of India Fvt. Ltd. Scertification for receipt of hazardous and other was	onth Day Year 18 016 2022
Signature M	onth Day Year

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

SI. No2165

s name and mailing address fing Phone No. and e-mail)	Paniput (H.R)
s authorisation No.	HWM/PIT/2021/11695733
Document No.	2165
Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Deini-110042
ehicle	(Truck/Tanker/Special Vehicle)
registration No.	07CKPPS3333F1ZX
erze registration No.	UP95T5353
er's name and mailing Address Phone No. and e-mail)	Premier Refractories of India Pvt. Ltd. New Katni Jn., P.O. Box No. 9, Katni-483501 (M.P)
s authorisation No.	14-46961
wester description	spent aluming
Dentainers	33.46 MT m3 or MT
	one truck Nos.
form .	(Folid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
	salid
handling instructions and additional	Jambo bag.
Rosell 22	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.
Signature M O	Day Year Year
and a secretary acknowledgment of receipt of Wastes	V
Tellier tellactorias of the second of the se	
s certification for receipt of hazardous and other wa	
110.110.10	Ionth Day Year 1 3 2 0 2 2

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. No2166

ador's name and mailing adde	
der's name and mailing address placed by the second	1.0, C.L Naptha Cracker
L	Panipart (H.R)
der's authorisation No.	HWM/PIT/2021/11695732
Hamfest Document No.	2166
resporter's name and address :	M.P. QUICK SERVICE
	AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Delhi-110042
se of vehicle	(Truck/fähker/Special Vehicle)
exporter's registration No.	07CKPPS3333F1ZX
ence registration No.	DAP 31 Tf - 4226
ever's name and mailing Address	Premier Refractories of India Pvt. Ltd.
ng Phone No. and e-mail)	New Katni Jn., P.O. Box No. 9,
er's authorisation No.	Katni-483501 (M.P)
	H-46961
description	Spent Alumina
Containers	20.32 M.T m³orMT
- Sanding S	
	Ohe Truck Nos.
form .	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
	Solid
handling instructions and additional	
murration	Jambo Begs
Colification Colors Colors Colors Colors	7
Ajit Singh Jaloriya	I hereby declare that the contents of the consignment are fully and accurately
अव्याग्वर प्रदेशक (एच एस एव ए॰)	described above by proper shipping name
Assistant Manager (H S & E) पानीपत । जङ्गरी () 132140	and are categorised, packed marked, and labelled, and are in all respects in proper
Panipat Refir	conditions for transport by road according to applicable national government regulations.
	onth Day Year
er acknowledgment of receipt of Wastes	8 213 2161212
	onth Day Year
s certification for receipt of hazardous and other was	8 23 2029
Mathoxagodianestor	onth Day Year 8 23 2022
Sender copy to be sent to SP	CB .

SI. No. 2167

MANIFEST FOR HAZARDOUS AND OTHER WASTE

	
name and mailing address phone No. and e-mail)	1.0. C.L Naptha Cracker
	Panipat (H.R)
authorisation No.	HWM/PIT/2021/11695733
est Document No.	2167
and address :	M.P. QUICK SERVICE
Phone No. and e-mail)	AW-9, Ground "Toer, Sanjay Gandhi Transport !" gar, Delhi-110042
e of vehicle	VE-mail: my -viol/2222@amail.com
	(Truck/Tanker/Special Vehicle)
and a secondar's registration No.	07CKPPS3333F1ZX
registration No. (UUPTSAT-4384	@ MP 16 H 7077
er's name and mailing Address	Premier Refractories of India Pvt. Ltd.
Phone No. and e-mail)	New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P)
er's authorisation No.	
	H-46961
description	Spent Alumina
auantity	70.38 M.T m³ or MT
a Containers	m° or MT
	TWO Trucks Nos.
	V
scal form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
	Solid
handling instructions and additional	
netion .	Jambo Begs
s Certificate	U
o etter	I hereby declare that the contents of the consignment are fully and accurately
26 Object felt 26 Joginder Singh Joginder Singh Joginder Singh Joginder Singh Joginder Singh	described above by proper shipping name and are categorised, packed marked, and
10ginder SinBii 10ginder SinBii एकसक प्रवंशक (सामग्री) प्रकार Manager (Materials)	labelled, and are in all respects in proper
Joginder Sing. Joginder Sing. सहायक प्रवंशक (अपना) अर्डाइर्डाकार Manager (Materials) Assistant Manager (Materials) अर्डाइर्डाकार अंग्रिस क्षेत्रकार (J.O.C.L.)-132149	conditions for transport by road according to applicable national government regulations.
Signature M	onth Day Year
C columnia de mant est es a lint est Manta	R 26 2022
er acknowledgment of receipt of Wastes	
Premier Refractories of India i vt. Ltd.	
s certification for receipt of hazardous and other wa	
	onth Day, Year

Sender copy to be sent to SPCB

SI. No.

2168

MANIFEST FOR HAZARDOUS AND OTHER WASTE

ender's name and mailing address	1.0.C.L Naphta Cracke
	Panipart (H,R)
⇒der's authorisation No.	HWM/PIT/2021/11695783
Manifest Document No.	2168
sporter's name and address : cluding Phone No. and e-mail)	M.P. GUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Delhi-110042 E-mail: moculck3333@gmail.com
T de of vehicle	(Truck/Tanker/Special Vehicle)
esporter's registration No.	07CKPP\$3333F1ZX
	DHR 73 A 6268
er's name and mailing Address	Premier Refractories of India Pyt. Ltd. New Katal, Jan. 2.0. 100 No. 9, Katal-480 Jan. 1
er's authorisation No.	H-46961
	1 40461
description	Spent Alumina
quantity Containers	60.85 M.T m3 or MT
	TWO Trucks Nos.
i sal form ·	V
a om	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
	Solie
andling instructions and additional	Jambo Begs
Sertificate 1000 Siller हिंह Joginder Sillette	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.
Panipat Naphtha Crocker (1.0 01) sin भी एक।	onth Day Year O 1 2 0 2 2
acknowledgment of receipt of Wastes	
el netractories of Fulla Fot. Library	
certification for receipt of hazardous and other was	
Author Signatyratory Mo	onth Day Year 9 0 1 2 0 2 2

Sender copy to be sent to SPCB

SI. No. 2169

MANIFEST FOR HAZARDOUS AND OTHER WASTE

name and mailing address Phone No. and e-mail)	1.0.C.L Naphta cracker
	Panipert (H.R)
authorisation No.	HWM/PIT/2021/11695733
Document No.	2169
Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Delhi-110042
a vehicle	(Truck/Tanker/Special Vehicle)
registration No.	07CKPPS3333F1ZX
===gistration No() UP 95T-5353(UUP9	\$ T-3826 (11) MP 16 H 7077
s name and mailing Address Phone No. and e-mail)	Premier Refractories of India Pvt. Ltd. New Katni Jn., P.O. Box No. 9, Katni-483501 (M.P)
s authorisation No.	Li Wallall
	H-46961
Apple Sescription	Spent Alumina
mo discontainers	100.04 M.T moor MT
	Three Trucks Nos.
	V
mot = =	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
randling instructions and additional	·
200	Jambo Begs
Certificate जिमिदर सिंह Jaginder Singh रक्तिक प्रथमक (सामग्री) Assistant Manager (Materials) क्रमीपस वैध्या वैकर (आई.ओ.सी.परं)-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.
Panipat Signature ker (I.O.C.L) 132 140 Me	onth Day Year
acknowledgment of receipt of Wastes	
	onth Day Year
s certification for receipt of hazardous and other was	
	Onth Day Year

_{SI. No.} 2170

MANIFEST FOR HAZARDOUS AND OTHER WASTE

name and mailing address	
Phone No. and e-mail)	ICC Naphtha cracker
g mone ito, and e many	Panipert (H·R·)
authorisation No.	HWM/RAFF 2027/19895963
Document No.	2170
and address :	
Phone No. and e-mail)	Yash Trading Company
	01/
the thicle	(Truck/Tanker/Special Vehicle)
	Addit Signa
tenceter's registration No.	
egistration No.	HR38TC0851
s name and mailing Address	Yash Trading Company
Phone No. and e-mail)	rasin stanting company
	(1) 1 /2 ·
s authorisation No.	Buth. Signatory
	Zadi. Signatory
	HWM ROH 2022 19738860
description	Dorums
The name to	
actainers	m³ or MT
	226 No.'s Nos.
	Nos.
· more super-	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
randling instructions and additional	
	,
Certificate	I hereby declare that the contents of the
R De Million Mill	Iconsignment are fully and accurately
S To Taliner Sings	described above by proper shipping name and are categorised, packed marked, and
whetant Manager 1 0 and 132160	labelled, and are in all respects in proper
Assistant Manager (Materials) प्रकारित देशका हैजर (आई.ओ.सी.पर्ल)-132140 Panipat Naphtha Cracker (I.Q.C.L)-132140	conditions for transport by road according
baubst reshum	to applicable national government regulations.
stamp: Signature Me	onth Day Year
0	8 05 2022
er acknowledgment of receipt of Wastes	
stamp: Signature Mo	onth Day Year
6	8 05 2022
s certification for receipt of hazardous and other was	ste
	onth Day Year
. 0	8 05 2022

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

SI. No.

3121

1:	Sender's name and mailing address (Including Phone No. and e-mail)	1.0.C.L Naphtha cracks
	(moduling Priorie No. and G-many	Panipat (H.R) 11695733
2	Sender's authorisation No.	HWM/P1T/2021/67595
3 .	Manifest Document No.	3121
4 .	Transporter's name and address :	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi
12	(Including Phone No. and e-mail)	Transport Nagar, Delhi - 110042
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	07CKPPS3333F1ZX
7	Vehicle registration No.	W UP95 T 1616
8	Receiver's name and mailing Address	Premier Refractories of India Pvt. Ltd.
	(Including Phone No. and e-mail)	New Katni Jn., P.O. Box No. 9, Katni-483501 (M.P)
9	Receiver's authorisation No.	11.1.1.1.1
		H-46961
10	Waste description	Spent Aluming
11	Total quantity	34.43 M.T m3 or MT
	No. of Containers	One Fruck Nos.
20		1.50
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
. 14		Solid
42	Special handling instructions and additional	
13	information	Jambo Begs
i _{7,}		I hereby declare that the contents of the
14	Sender's Certificate	consignment are fully and accurately
	100 22	described above by proper shipping name and are categorised, packed marked, and
	Suppose Big	labelled, and are in all respects in proper conditions for transport by road according
14	Jogin for Jingh	to applicable national government regulations.
	Name and stamp: Assa Signature: (Alternals) Visiting The Control of the Control	Month Day Year
15	Transporter acknowledgment of receipt of Wastes	
	Name and stamp: Signature For Premier Refractories of India Lyt. Ltd.	Month Day Year
16	Receiver's certification for receipt of hazardous and other	waste
	Name and stamp : Signature Authorised Signature	Month Day Year
1		

di

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

SI: No.

1 .	Sender's name and mailing address	1.0.C.L Naptha Cracker
	(Including Phone No. and e-mail)	Pomiport (H.R)
2	Sender's authorisation No.	HWM/PIT/2021/11695733
3 ⋅	Manifest Document No.	3122
4	Transporter's name and address :	M.P. QUICK SERVICE AW-9, Ground Fisch, Serjay Gandhi
٠.,	(Including Phone No. and e-mail)	Transperiorland, Deci-110042
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6 .	Transporter's registration No.	, 07CKPPS3333F1ZX
. 7	Vehicle registration No. (U) MP 16H 1530	W MP 16 H 6039
8	Receiver's name and mailing Address	Premier Refractories of India Pvt. Ltd.
	(Including Phone No. and e-mail)	New Katni Jn., P.O. Box No. 9, Katni-483501 (M.P)
9	Receiver's authorisation No.	H-46961
		1) 40(0)
10 .	Waste description	Spent Alumina
11	Total quantity	60.30 M.T m3 or MT
	No. of Containers	Two Trucks Nos.
		Nos.
	Di i - 1 ferma	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
. 12.	Physical form	
		Solid
13	Special handling instructions and additional	
	information	
	Constants Contification	I hereby declare that the contents of the
14	Sender's Certificate	consignment are fully and accurately described above by proper shipping name
* **	Arto be	and are categorised, packed marked, and
	Today late	labelled, and are in all respects in proper conditions for transport by road according
	Silf हर Singh (oginler Singh) (oginler Singh) (Anaterials)	to applicable national government regulations.
	Name and stamp: Signature on the state (the ship) 1.00 Market also shape of the ship ship ship ship ship ship ship ship	Month Day Year
15	Transporter acknowledgment of receipt of Wastes	
15	Transporter acknowledgment of receipt st. The	Month Day Year
	Name all preside Refractories of Falls PVI. Ltd.	09 19 2022
16	Receiver's certification for receipt of hazardous and other w	vaste
	Name and stamp: Author signature tory	Month Day Year
1		

Sender copy to be sent to SPCB

Panipat Refinery & Petrochemical Complex SI. No. 3123

See rule 19 (1)}

MANIFEST FOR HAZARDOUS AND OTHER WASTE

Sender's name and mailing address Naptha Cracker (Including Phone No. and e-mail) 2 Sender's authorisation No. 2021/11695733 3 . Manifest Document No. 4 Transporter's name and address: (Including Phone No. and e-mail) AW-9, Ground Floor, Sanlay Gandhi Transport Nagar, Delhi-110042 E-mail: mpquick3333@gmail.com 5 Type of vehicle (Truck/Tanker/Special Vehicle) 6 Transporter's registration No. 07CKPPS3333F1ZX 7 Vehicle registration No. (1) UP MP 20 HB 9970 8 Receiver's name and mailing Address Premier Refractories of India Pvt. Ltd. (Including Phone No. and e-mail) New Katni, Jn., P.O. Box No. 9, Katr.1-483501 (M.P) Receiver's authorisation No. 9 H-46961 10 Waste description Alumina Spent 11 Total quantity 66.52 M.T m3 or MT No. of Containers TWO Trucks Nos. 12 Physical form (Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Solid 13 Special handling instructions and additional information Jambo Begs 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 inder singh क (स्तापूर्ण) to applicable national government regulations. Name and stamp: पाता Signature (एक) -13 Assistant Managune (10.C.L) 1321/10 Month Day Year 0 9 15 Transporter acknowledgment of receipt of Wastes Name and stamp: Signature For Premier Refractories of Irria Pvt. Lt Month Day Year Receiver's certification for receipt of hazardous and other waste 16 Name and stamp: Month Day AuthorSignature Year 0 0

Sender copy to be sent to SPCB

(Including Phone No. and e-mail) 2 Sender's authorisation No. 3 Manifest Document No. 4 Transporter's name and address: (Including Phone No. and e-mail) 5 Type of vehicle 6 Transporter's registration No. 7 Vehicle registration No. 8 Receiver's name and mailing Address (Including Phone No. and e-mail) 9 Receiver's name and mailing Address (Including Phone No. and e-mail) 10 Waste description 11 Total quantity No. of Containers 12 Physical form 13 Special handling instructions and additional information 14 Sender's Certificate 15 Transporter acknowledgment of receipt of Wastes Name and stamp: 16 Receiver's certification for receipt of Masters Name and stamp: 16 Receiver's certification for receipt of Name and other waste Name and stamp: 16 Receiver's certification for receipt of India property (Park Policy) 17 Transporter acknowledgment of receipt of Masters Name and stamp: 18 Name and stamp: 19 Name and stamp: 10 Nonth Day Year Name and stamp: 10 Nonth Day Year Name and stamp: 11 Name and stamp: 12 Nathorisation for receipt of India property (Park Policy) 13 Name and stamp: 14 Receiver's certification for receipt of Masters Name and stamp: 15 Name and stamp: 16 Receiver's certification for receipt of India property (Park Policy) 17 Name and stamp: 18 Name and stamp: 19 Name and stamp: 10 Nonth Day Year	1 1	Sender's name and mailing address	1.0.C.L Naphtha cracker
3 Manifest Document No. 312 4 Minifest Document No. 4 Transporter's name and address: (Including Phone No. and e-mail) Transport No. AM-9, Ground Floor, Sanjay Gandhi Transport Negar, Delihi-110042 E-mail: Imagenic 1333/35/mail.com Transport Negar, Delihi-110042 E-mail: Imagenic 1333/35/mail.com Transporter's registration No. 07CKPPS3333F1ZX 7 Vehicle registration No. 07CKPPS3333F1ZX 8 Receiver's name and mailling Address (Including Phone No. and e-mail) Promier Refractories of India Pvt. Ltd. New Katni, Jn., P.O. Box No. 9, Katch-43.3501 (M.P.) 9 Receiver's authorisation No. H-4696 H-463.501 (M.P.) 10 Waste description Spent Minimum Mi		(Including Phone No. and e-mail)	Panipat (H.R)
3 Manifest Document No. 312 4 Minifest Document No. 4 Transporter's name and address: (Including Phone No. and e-mail) Transport No. AM-9, Ground Floor, Sanjay Gandhi Transport Negar, Delihi-110042 E-mail: Imagenic 1333/35/mail.com Transport Negar, Delihi-110042 E-mail: Imagenic 1333/35/mail.com Transporter's registration No. 07CKPPS3333F1ZX 7 Vehicle registration No. 07CKPPS3333F1ZX 8 Receiver's name and mailling Address (Including Phone No. and e-mail) Promier Refractories of India Pvt. Ltd. New Katni, Jn., P.O. Box No. 9, Katch-43.3501 (M.P.) 9 Receiver's authorisation No. H-4696 H-463.501 (M.P.) 10 Waste description Spent Minimum Mi	2	Sender's authorisation No.	HWM/PIT/2021/11695733
Transporter's name and address: (Including Phone No. and e-mail) Transport Regar, Delha-110942 Transport Regar, Delha-110942 Transporter's registration No. Transporter's registration No. Transporter's registration No. Vehicle registration No. Receiver's name and mailing Address (Including Phone No. and e-mail) Waste description Total quantity No. of Containers Total q	3 :	Manifest Document No.	3124
5 Type of vehicle 6 Transporter's registration No. 7 Vehicle registration No. 8 Receiver's name and mailing Address (Including Phone No. and e-mail) 9 Receiver's authorisation No. 10 Waste description 11 Total quantity 12 Physical form 12 Physical form 13 Special handling instructions and additional information 14 Sender's Certificate 15 Transporter acknowledgment of receipt of Wastes 16 Receiver's registration No. 17 Vehicle registration No. 18 Premier Refractories of India Pvt. Ltd. New Katril, Jn., P.O. Box No. 9, Katril-483501 (M.P.) 19 Receiver's authorisation No. 10 Waste description 11 Total quantity 12 Physical form 13 Special handling instructions and additional information 14 Sender's Certificate 15 Transporter acknowledgment of receipt of Wastes 16 Receiver's registration No. 17 Premier Refractories of India Pvt. Ltd. New Katril, Jn., P.O. Box No. 9, Katril-483501 (M.P.) 18 Premier Refractories of India Pvt. Ltd. New Katril, Jn., P.O. Box No. 9, Katril-483501 (M.P.) 19 Premier Refractories of India Pvt. Ltd. New Katril, Jn., P.O. Box No. 9, Katril-483501 (M.P.) 10 Premier Refractories of India Pvt. Ltd. New Katril, Jn., P.O. Box No. 9, Katril-483501 (M.P.) 10 Premier Refractories of India Pvt. Ltd. New Katril, Jn., P.O. Box No. 9, Katril-483501 (M.P.) 10 Premier Refractories of India Pvt. Ltd. New Katril, Jn., P.O. Box No. 9, Katril-483501 (M.P.) 11 Transporter acknowledgment of receipt of Wastes 12 Physical Refractories of India Pvt. Ltd. New Katril, Jn., P.O. Box No. 9, Katril-483501 (M.P.) 18 Premier Refractories of India Pvt. Ltd. New Katril, Jn., P.O. Box No. 9, Katril-483501 (M.P.) 19 Premier Refractories of India Pvt. Ltd. New Katril, Jn., P.O. Box No. 9, Katril-483501 (M.P.) 19 Premier Refractories of India Pvt. Ltd. New Katril, Jn., P.O. Box No. 9, Katril-483501 (M.P.) 19 Premier Refractories of India Pvt. Ltd. New Katril, Jn., P.O. Box No. 9, Katril-483501 (M.P.) 19 Premier Refractories of India Pvt. Ltd. New Katril, Jn., P.O. Box No. 9, Katril-483501 (M.P.) 19 Premier Refractories of India	4	Transporter's name and address : (Including Phone No. and e-mail)	AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Delhi-110042
7 Vehicle registration No. 8 Receiver's name and mailing Address (Including Phone No. and e-mail) 9 Receiver's authorisation No. 10 Waste description 11 Total quantity No. of Containers 12 Physical form 13 Special handling instructions and additional information 14 Sender's Certificate 15 I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations. 15 Transporter acknowledgment of receipt of Wastes 16 Receiver's certification for receipt of hazardous and other waste	5	Type of vehicle	
Receiver's name and mailing Address (Including Phone No. and e-mail) Pramier Refractorics of India Pvt. Ltd. New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P.) Receiver's authorisation No. H—46961 Waste description Total quantity No. of Containers Physical form (Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Special handling instructions and additional information Tambo Begs 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: Signature Name and stamp: Signature Name and stamp: Signature For Premier Refractories of India Pvt. Ltd. New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P.) (Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Tambo Begs 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	6	Transporter's registration No.	07CKPP\$3333F1ZX
(Including Phone No. and e-mail) New Katni, Jn., P.O. Box No. 9, Katri-483301 (M P) Receiver's authorisation No. H—Y6961 10 Waste description Spent Niming No. of Containers Containers (Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Special handling instructions and additional information 13 Special handling instructions and additional information 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 To Day Year For Premier Refractories of India Pvt. Light Receiver's certification for receipt of hazardous and other waste	7 -	Vehicle registration No.	UUP#75 AT 4384
10. Waste description 11. Total quantity No. of Containers 12. Physical form 13. Special handling instructions and additional information 14. Sender's Certificate 15. Sender's Certificate 16. Receiver's certification in Signature 18. Sender's Certification in Signature 19. Signature 10. Sender's Certificate 10. Sender's Certificate 10. Sender's Certificate 10. Sender's Certificate 11. 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. 15. Transporter acknowledgment of receipt of Wastes 16. Receiver's certification for receipt of hazardous and other waste	8	Receiver's name and mailing Address (Including Phone No. and e-mail)	New Katni, Jn., P.O. Box No. 9,
Total quantity No. of Containers 3	9	Receiver's authorisation No.	
Physical form (Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Special handling instructions and additional information Tombo Bett 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: Signature Month Day Year For Premier Refractories of india Put. Little Premier Refractories of india Put. Little Premier Refractories and other waste	10	Waste description	Spent Alumina
Physical form (Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Special handling instructions and additional information Tombo Bey 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: Signature Month Day Year For Premier Refractories of India Pyt. Ludy Receiver's certification for receipt of hazardous and other waste	11	Total quantity No. of Containers	33,82 M.T m3 or MT
Special handling instructions and additional information 13 Special handling instructions and additional information 14 Sender's Certificate 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 For Premier Refractories of India Pvt. Little 16 Receiver's certification for receipt of hazardous and other waste	• •		one Truck Nos.
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 acknowledgment of receipt of Wastes Name and stamp: Signature Month Day Year To Day Year Receiver's certification for receipt of hazardous and other waste	. 12	Physical form	
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: Signature Month Day Year For Premier Refractories of India Pvt. 1 this part of the proper in	13	Special handling instructions and additional information	
Name and stamp: Signature Month Day Year Transporter acknowledgment of receipt of Wastes Name and stamp: Signature Month Day Year For Premier Refractories of India Pvt. Little Day Receiver's certification for receipt of hazardous and other waste	14		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
15 Transporter acknowledgment of receipt of Wastes Name and stamp: Signature Month Day Year For Premier Refractories of India Pvt. Luis 7 I O O I 2 O 2 16 Receiver's certification for receipt of hazardous and other waste	= 10	Name and stamp : Signature	Month Day Year
Name and stamp: Signature Month Day Year For Premier Refractories of India Pvt. Line 10 0 1 2 0 2 1 1 1 1 1 1 1 1 1 1 1 1 1		Transporter acknowledgment of receipt of Wastes	
16 Receiver's certification for receipt of hazardous and other waste	15		
	16	Receiver's certification for receipt of hazardous and other w	vaste
	10		Month Day Year

1	Sender's name and mailing address	Toll Natha Cracker
	(Including Phone No. and e-mail)	Panipat (HR)
2	Sender's authorisation No.	W Ac
3	Manifest Document No.	3125
4	Transporter's name and address :	New wake Roadway
j.	(Including Phone No. and e-mail)	Hero waky Roadways
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	OB BFWPK4646 C128.
- 7	Vehicle registration No.	HR47D-2632
8	Receiver's name and mailing Address	(Rat) 9166900524 Kisangas
	(Including Phone No. and e-mail)	(RaJ) 9166900524
9	Receiver's authorisation No.	R PCB/HWM/2020-2021
		KACB/ 13 70 2021
10 .	Waste description	PP exhaen-all
11	Total quantity	
	No. of Containers	m³ or MT
		One truck. Nos.
- 12.	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
		Liquid
13	Special handling instructions and additional	
	information	Ms down.
- Ka		
14	Sender's Certificate	I hereby declare that the contents of the
	1 127	consignment are fully and accurately described above by proper shipping name
416	A 13/10/20	and are categorised, packed marked, and
	1/7/	labelled, and are in all respects in proper conditions for transport by road according
	7	to applicable national government regulations.
	Name and stamp : Signature A N	onth Day Year
	Total de la late de late de late de la late de late de late de late de late de la late de la late de	0 03 2032
15	Transporter acknowledgment of receipt of Wastes	Total Day
	Name and stamp : Signature N	Nonth Day Year
16	Receiver's certification for receipt of hazardous and other wa	aste
1000		lonth Day Year
in to		0 03 2029
7.0	Sender copy to be sent to	SPCB .

SI: No.3126

1 :	Sender's name and mailing address (Including Phone No. and e-mail)	1.0.C.L Naphta Cracker Pomipait (H.R)
2	Sender's authorisation No.	HWM/P1T/2021/1169573R
3	Manifest Document No.	3126
4	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Delhi-110042 E-mail: moguick3333@gmail.com
5 .	Type of vehicle	(Truck/Tanker/Special Vehicle)
6.	Transporter's registration No.	07CKPPS3333F1ZX
7	Vehicle registration No. OCGOYML 4019	
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refractories of India Pvt. Ltd. New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P)
9	Receiver's authorisation No.	4-46961
10	Waste description	Spent Alumina
11	Total quantity No. of Containers	59.88 M.T m³ or MT
		Two Trucks Nos
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Jambo Begs
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 acknowledgment of receipt of Wastes	Month Day Year
	For Premier Refractories of India Pvt. Ltd.	0 04 2022
16	Receiver's certification for receipt of hazardous and other w	
	Name and stamp : Signature Authorised Signatory	Month Day Year O 4 2 0 2 2

Sender copy to be sent to SPCB

3127

	WARRI COTTON	1001 1111 1 2000
1 "	Sender's name and mailing address	1.0.C.L. Naphta crarker
	(Including Phone No. and e-mail)	Panipat (H.R)
2	Sender's authorisation No.	HWM/PIT/2021/11675733
3 :	Manifest Document No.	3127
4	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Delhi-110042
5 .	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	07CKPPS3333F1ZX
7	Vehicle registration No. (1) RJ 05 GB 5006	W RJ 27 GC-5275
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refracteries of India Pvt. Ltd. New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P)
9	Receiver's authorisation No.	H-46961
10 .	Waste description	Spent Alumina
.11	Total quantity No. of Containers	69.27 M.T m3 or MT
		(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
12	Physical form	Solid
	time and additional	
13	Special handling instructions and additional information	Jambo Beys
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
	P	landitions for transport by road according
	Rough	to applicable national government regulations Month Day Year
	Name and stamp:	to applicable national government regulations Month Day Year 2 0 2 2
15	Transporter acknowledgment of receipt of Wastes	Month Day Year 2022
15	Transporter acknowledgment of receipt of Wastes Name and stamp: Signature Signature For Premier Refractories of India Pyt. 11d.	Month Day Year Month Day Year Month Day Year A O 2 2
15	Transporter acknowledgment of receipt of Wastes Name and stamp: Signature Signature	Month Day Year Month Day Year Month Day Year A O 2 2

	Sender's name and mailing address (Including Phone No. and e-mail)	1.0.C.L Naphta Cracker
	(moduling Friend Ro. and C many	Paniport (H.R)
2	Sender's authorisation No.	HWM/PIT/2021/11675733
3	Manifest Document No.	3131
4	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi
		Transport Nagar, Delhi-110042
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	07CKPPS3333F1ZX
7	Vehicle registration No. UP 95 T 3826 MM	P16H2300(11) UP95T5019
3	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refractories of India Pvt. Ltd. New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P)
9	Receiver's authorisation No.	4-46961
10	Waste description	Spent Alimina
71	Total quantity No. of Containers	90.50 Mit m3 or MT
		Three Trucks Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Jambo Begs
	Sender's Certificate Johnston Manager (Materials) Assistant Manager (Materials) पालीपर शैपरा हैकर (आई.ओ.सी.एस)-132140 Panight Maphibla Cracker (I.O.C.L)-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	Nonth Day Year
115	Transporter acknowledgment of receipt of Wastes	Voca
15	For Premier Refractories of Irdia Pvt. Ltd.	Nonth Day Year O 22 2 9 0 2 2
15	Receiver's certification for receipt of hazardous and other w	
	Name and stamp : Signature Authorised Signatury	Month Day Year O 22 202

			The second secon
	Sender's name and mailing address (Including Phone No. and e-mail)		1.0.C.L Naptha Cracker
		s.Ì	Panipart (H.R)
2	Sender's authorisation No.		HWM/PIT/2021/11675733
3	Manifest Document No.	٠.	3132
-	Transporter's name and address : (Including Phone No. and e-mail)		M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Delhi-110042
5	Type of vehicle		(Yruck/Talker) Special Vancial Loom
\$	Transporter's registration No.		07CKPPS3333F1ZX
-	Vehicle registration No. UP 95 T 3222	(1)	UP 95 T382600 MP 09 HH889
	Receiver's name and mailing Address (Including Phone No. and e-mail)	1	Premier Refractories of India Pvt. Ltd. New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P)
•	Receiver's authorisation No.		H-46961
10	Waste description	24 6 8	spent Alumina
	Total quantity No. of Containers	Q#	90.06 M.T m3 or MT
			Three Trucks Nos.
102	Physical form		(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
			Solid
-3	Special handling instructions and additional information	*	Jambo Begs
-	Sender's Certificate	2 *	I hereby declare that the contents of the consignment are fully and accurately
	Tulon Salar		described above by proper shipping name
	ज्ञितिहरसिंह Jognder singh Jognder (सामग्री)		and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according
	Joshder Ding (Materials) Retain Macagur (Materials) Associated Materials		to applicable national government regulations.
	Name and stamp : प्रहायहाँ प्रविधान (Materials) (Mate	· I	lonth Day Year
15	Transporter acknowledgment of receipt of Wastes		
	Name and stamp : Signature S	_ N	fonth Day Year
	Receiver's certification for receipt of hazardous and other	ner wa	
	Name and stamp : Signature	N	10nth Day Year
THE PERSON NAMED IN		4000	A 100 A 100

	Sender's name and mailing address	1.O.C.L Nastha Cracker
	(Including Phone No. and e-mail)	* No. 100 Per
		Pamiport (HiR)
2	Sender's authorisation No.	HWM/PIT/2021/11675733
	Manifest Document No.	3133
1	Transporter's name and address :	M.P. QUICK SERVICE
	(Including Phone No. and e-mail)	AW-9, Ground Floor, Sanjay Gandhi
		Transport Nagar, Delhi-110042
	Type of vehicle	(Truck) Palikers begin Wennele) com
5	Transporter's registration No.	07CKPPS3333F1ZX
	Vehicle registration No. (1) MPI6H9999	WMP09HH2964
3	Receiver's name and mailing Address	Premier Refractories of India Pvt. Ltd.
	(Including Phone No. and e-mail)	New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P)
9	Receiver's authorisation No.	
		H-46961
	Waste description	Spent Aluming
	Total quantity	55.64 M.T m3 or MT
	No. of Containers	
		TWO Trucks Nos.
	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
		Solid
	Special handling instructions and additional	
	information	Jambo Begs
HEAL	Sender's Certificate	I hereby declare that the contents of the
	1991	consignment are fully and accurately
	THE WILLIAM	described above by proper shipping name and are categorised, packed marked, and
	जितिहर सिंग Joginder Singh Joginder (सामग्री)	labelled, and are in all respects in proper
	प्रहाराज प्रांचित (सामग्री) प्रहाराज प्रांचित (सामग्री) Assistant Machager (Materials) Assistant Machager (सामग्री)	conditions for transport by road according to applicable national government regulations.
	Name and stamp : पानिपत निषय Signature O.C.L. 192140 Panipa' Maphilliognature O.C.L. 192140	onth Day Year
		11 112 2022
175	Transporter acknowledgment of receipt of Wastes	Leath Day Year
	Name and stamp: Signature Name Premier Refractories of India Pvt. Itd.	lonth Day Year
	Receiver's certification for receipt of hazardous and other wa	
	Name and stamp : Signature Authorised Signatory I	lonth Day Year
	Partitudes affiness 1	

SI: No.

4	Sender's name and mailing address	1.0.C. L Naptha Cracker
	(Including Phone No. and e-mail)	Panipat (H.R)
2	Sender's authorisation No.	HWM/PIT/2021/11675733
3	Manifest Document No.	3134
4	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Delhi-110042 E-mail: mpquick3333@gmail.com
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
5	Transporter's registration No.	07CKPPS3333F1ZX
7	Vehicle registration No. (1) UP 95 T 3826	WMP 16 H 2098
	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refractories of India Pvt. Ltd. New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P)
	Receiver's authorisation No.	11-46961
100	Waste description	Spent Alumina
	Total quantity No. of Containers	TWO Trucks Nos.
		Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
		Solid
	Special handling instructions and additional information	Jambo Begs
	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.
	श्वाहायक प्रशंघक (सामग्रा) अक्षाहायक प्रशंघक (सामग्रा) Assistant Manager (Materials) Assistant Manager (Materials) पानीपत श्रीप्राणी, पानीपत श्रीपत श्रीप्राणी, पानीपत श्रीप्राणी, पानीपत श्रीप्राणी, पानीपत श्रीपत श्रीप्राणी, पानीपत श्रीप्राणी, पानीपत श्रीप्राणी, पानीपत श्रीपत श	Nonth Day Year
15	Transporter acknowledgment of receipt of Wastes	
	Name and stamp: Signature Signature For Premier Refractories of hulla Pvt. Ltd.	Month Day Year
142	Receiver's certification for receipt of hazardous and other w	aste
	Name and stamp : Signature Authorised Signator	Month Day Year
		SDCB

Sender copy to be sent to SPCB

Panipat Refinery & Petrochemical Complex

SI: No.

Year

Day

{See rule 19 (1)} MANIFEST FOR HAZARDOUS AND OTHER WASTE 1.0, C.L. Naphta Cracker Sender's name and mailing address (Including Phone No. and e-mail) Sender's authorisation No. HWM/PIT/2021/11675732 Manifest Document No. Transporter's name and address: AW-9, Ground Floor, Sanjay Gandl... (Including Phone No. and e-mail) Transport Nagar, Delhi-110042 E-mail: mpquick3333@gmail.com (Truck/Tanker/Special Vehicle) Type of vehicle Transporter's registration No. 07CKPPS3333F1ZX HX73 A 4574 (1) HR73A7434 Vehicle registration No. URJ 11 GC 05 46 (1) Receiver's name and mailing Address Premier Refractories of India Pvt. Ltd. (Including Phone No. and e-mail) New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P) Receiver's authorisation No. H-46961 Alumina Waste description Total quantity 89.24 M.T ... m3 or MT No. of Containers Three Trycks Nos. (Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) Physical form Solid. Special handling instructions and additional reformation I hereby declare that the contents of the Sender's Certificate consignment are fully and accurately described above by proper shipping name 20/11/20 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. loginder singl Year Month Day सSignature्यामधी) are and stamp : Assistant Manager (Materials) पाडीपरा जैपशा कैकर (आई ओ सी.एल)-132140 Tarsporter acknowledgmentrof receipt of Wastes Day Year Month Signature Name and stamp : For Premier Refractories of India Pvt. Ltd.

The wer's certification for receipt of hazardous and other waste Month Signature Tame and stamp :

Sender copy to be sent to SPCB

Authorised Signatory

3130

Panipat Refinery & Petrochemical Complex SI. No. FORM 10 {See rule 19 (1)} MANIFEST FOR HAZARDOUS AND OTHER WASTE

	Sender's name and mailing address (Including Phone No. and e-mail)	Tou Matthy Graeller
		Plant
2	Sender's authorisation No.	HWM PIT 2021 11695 7-33.
0	Manifest Document No.	3136.
	Transporter's name and address : (Including Phone No. and e-mail)	Mp Melling Marketing vul Brow Dist: Kulli.
•	Type of vehicle	(Truck/Tanker/Special Vehicle)
	Transporter's registration No.	02ADZPJ2382A126.
	Vehicle registration No.	HR557 3017.
	Receiver's name and mailing Address (Including Phone No. and e-mail)	MIS ADAL BIO DEISAL Plot No-120B, Joupur
3	Receiver's authorisation No.	RPCB HWM 2020-2021.
		HSW 125/38 day 24.7-202
10	Waste description	exhaust oil.
	Total quantity No. of Containers	23.900 4 T m3 or MT
		Nos.
	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
		Liquel.
	Special handling instructions and additional information	Ms Down
	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	Nonth Day Year 22
	Tansporter acknowledgment of receipt of Wastes	63.
13945	Signature N	Month Day Year
-	Feceiver's certification for receipt of hazardous and other wa	
	a e and stamp.	Month Day Year
CYCLENGE	Sender copy to be sent to	SPCB

Panipat Refinery & Petrochemical Complex FORM 10 {See rule 19 (1)}

	MANIFEST FOR HAZARDOUS AND	OTHER WASTE
	Sender's name and mailing address (Including Phone No. and e-mail)	1.0.C.L. Northa Cracker
	(including Phone No. and e-mail)	Paniport (H.R)
2	Sender's authorisation No.	HWM PIT/2021/11695 733
3	Manifest Document No.	3137
	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Delhi-110042 E-mail: mp.:uick3333@gmail.com
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
15	Transporter's registration No.	07CKPP§3333F1ZX
	Vehicle registration No. (1) HR38 X 3795 WHR7	3 N 5275 (1) HR 38W 4500
	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refractories of India Pvt. Ltd. New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P)
	Receiver's authorisation No.	H-46961
	Waste description	Spent Alumina
	Total quantity No. of Containers	71.66 M.T mos MT
	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
	Special handling instructions and additional mormation	Jambo Begs
	Sander's Certificate जोगिंदर रिगंह Joginder Singh Joginder Singh Joginder Singh Joginder Singh	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 LIGHT I	Nonth Day Year
Al respective	a scorter acknowledgment of receipt of Wastes	
	stamRefractories of Signature Ltd.	Nonth Day Year 2022
	er's certification for receipt of hazardous and other wa	
	AuthoriSignatura ory	Month Day Year 9 9 9 2 2

	MARKIT EET TORTINE TO THE	
	Sender's name and mailing address (Including Phone No. and e-mail)	1.0.C.L Naphta Cracket
		Panipert (H.R)
2	Sender's authorisation No.	HWM/PIT/2021/11695735
3	Manifest Document No.	S138 SERVICE
	Transporter's name and address : (Including Phone No. and e-mail)	AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Delhi-110042 E-mail: mpquick3333@gmail.com
•	Type of vehicle	(Truck/Tanker/Special Vehicle)
Ē	Transporter's registration No.	07CKPP\$3333F1ZX
	Vehicle registration No. WMP 16H 2300 M	UP 75 AT 6740
	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refractories of India Pvt. Ltd. New Katni, Jn., F.O. Box No. 9, Katni-483501 (M.P)
	Receiver's authorisation No.	H-46961
	Waste description	Spent Aluming
	Total quantity No. of Containers	55.26 M. T m3 or MT
		Two Trucks Nos.
	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
		Solid
	Stecial handling instructions and additional atomation	Jombo Begs
	जोि(दर सिंह Jogincher Jingh सहायक प्रथमक (सामग्री) Assistant Manager (Materials)	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.
	Panipat Naplana (i.o.c.L)-132140 Panipat Naplana (i.o.c.L)-132140 Panipat Naplana (i.o.c.L)	Month Day Year 2 0 5 2 0 2 2
1/42	The sporter acknowledgment of receipt of Wastes	
	For Premier Refractories of India Pvt. Ltd.	Month Day Year 2 0 2 2
4	ers certification for receipt of hazardous and other wa	aste
		Nonth Day Year 2022

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

SI. No.2155

MANIFEST FOR HAZARDOUS AND OTHER WASTE

	Sender's name and mailing address Including Phone No. and e-mail)	Panipat (He)
	Sender's authorisation No.	HWM/PIT/2021/11698783
	Manifest Document No.	2155
	Tansporter's name and address : anduding Phone No. and e-mail)	SREEJE PETROUBES
	Type of vehicle	(Truck/Tanker/Special Vehicle)
	Tersporter's registration No.	HR69C7873
	Periode registration No.	HR69 C7873
	etawer's name and mailing Address	SREGGE POTRO LUBE
	e er's authorisation No.	HWM/ROH/2022/20183652
	less description	16.10 MT of PP tx houst
	tuantity of Containers	
13 P W	- suca form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
	ng instructions and additional	
	System (H S & C) Assistance (H S & C)	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. Onth Day Year
	Trefinery (LOCA 1988160 0	
	Signature M	onth Day Year
	b and other was	7 2 2 2 2 2 . ste
		onth Day Year
AGENT OF		12 [31] [5 0 5 2]

Sender copy to be sent to SPCB

^{SI. No.}2156

	IIII ITTI EOT I OKTIALARDOOD AND	OTHER WASTE
	Sender's name and mailing address	1.0.C.L Naptha Cracker
		Panipat (H.R)
-	Sender's authorisation No.	HWM/PIT/2021/11695733
	Warrifest Document No.	2156
	ansporter's name and address :	M.P. QUICK SERVICE AW-9, Ground Floor, Janjay Gandhi Transport Nagar, Delhi-110042
<u>1931</u>	Time of vehicle	(Yruck/Talker)speciar vewiciel.com
A	Transporter's registration No.	07CKPPS3333F1ZX
	registration No. (1) HR 73 A 2019 (11)	BOZAHZIEM (I) PISTAEF RH
2	Phone No. and e-mail)	Premier Refractories of India Pvt. Ltd. New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P)
	======================================	11.10.61
		H-46961
	Maste description	Spent Alumina
	Tital tuantity to of Containers	94.55 M.T m3 or MT
		Three Trucks Nos.
		(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
		Solid
	and ng instructions and additional	Jambo Begs
	Ajit Singh Jaloriya सहायक प्रवंशक (एच एस एवं ई.) Assistant Manager (H S & E) प्रनोपत रिफाइनरी (आई. हो.सी.एस.)-132140 Phripat Review (U.)-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.
		onth Day Year
	acknowledgment of receipt of Wastes	7/
	Signature Mc	onth Day Year
7	and other was	
	Signature Mo	onth Day Year
- SR (SD)		

by:	Sender's name and mailing address	V - 0 1 11 14
	Including Phone No. and e-mail)	1. O.C. L Noghtha cracker
		Pamipat (H.R)
E	Sender's authorisation No.	HWM/PIT/2021/11695733
F	war fest Document No.	2157
-	Transporter's name and address : Training Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Delhi-110042
	Type of vehicle	(Truck/TalhKer/special Venicie)com
	Transporter's registration No.	07CKPPS3333F1ZX
	Pagistration N6.1) UP 95 73222 (11) N	(P16H1900(11)) HR 73 H 2019
	Phone No. and e-mail)	Premier Refractories of India Pvt. Ltd. New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P)
	s authorisation No.	H-46961
	Vaste description	Spent Alumina
	Time quartity As of Containers	89.58 M.T m3 or MT
		Three Trycks Nos.
Capiton		(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
		Solid
	and additional -	Jambo Begs
	सिंह जालारियां sngh Jaloriya (ख एस एवं ई.) sager (H S & E) sager (H S & E)	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.
	O	onth Day Year
	Signature Mo	David No.
	Signature Mo	
	and the second s	onth Day Year

1 :	Sender's name and mailing address (Including Phone No. and e-mail)	Panipat (H.R.)
	(moraling riverse real or many	Panipat (H.R.)
2	Sender's authorisation No.	HWM/PIT/2027/11/95733
3 .	Manifest Document No.	3062
4	Transporter's name and address : (Including Phone No. and e-mail)	JVS Tech
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6.	Transporter's registration No.	The state of the s
7	Vehicle registration No.	HR74B2379
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	Ras Tehsil Jaibmmi Dist Pall - Rayarthan
9	Receiver's authorisation No.	RPCB/HWM/2020-21/
Sec.		LPM/ HWM/59
10	Waste description	spent Catalyst (silica hd)
11	Total quantity No. of Containers	27.23 MT m3 or MT
		Nos.
1 1 2		
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	use PPE's
	and a familiar parties of the state of the s	
14	Sender's Certificate wild Rie wilder	I hereby declare that the contents of the consignment are fully and accurately
	All Delta (MS & E)	described above by proper shipping name and are categorised, packed marked, and
	सहायक प्रवंधक (१५ % & E) Assistant Manager (H % & E) क्रिकावन रिकाइनरी (आई.जी.सी.च्स.)-132140 क्रिकावन रिकाइनरी (आई.जी.सी.च्स.)-132140	labelled, and are in all respects in proper
	Assistant Manager (1.0.C.L.) 132140 प्राचीवत रिकार्नि (वार्ट को सी का) 132140 प्राचीवत रिकार्नि (1.0.C.L.) 132140 Name and stamp	conditions for transport by road according to applicable national government regulations.
	Name and stamp : Signature M	onth Day Year
15	Transporter acknowledgment of receipt of Wastes	
4.	Name and stamp: Signature M	onth Day Year
16	Receiver's certification for receip of hazardous and other wa	ste
	Name and stampor Signature M	onth Day Year
	Sender copy to be sent to	SPCB

3063

3 Manifest Document No. 4 Transporter's name and address: (Including Phone No. and e-mail) 5 Type of vehicle 6 Transporter's registration No. 7 Vehicle registration No. 8 Receiver's name and mailing Address (Including Phone No. and e-mail) 9 Receiver's authorisation No. 10 Waste description 11 Total quantity No. of Containers 12 Physical form 13 Special handling instructions and additional information 14 Sender's Certificate 15 Styl 4 M 93 II 15 Sender's Certificate 1 hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and are in all respects in proper conditions for transport by road according to the condition transport by road according to the condition transport transport	1.	Sender's name and mailing address (Including Phone No. and e-mail)	IOCL Naphthe Gracker Panipat (MR)
Transporter's name and address: (Including Phone No. and e-mail) Type of vehicle Type of vehicle Transporter's registration No. Receiver's name and mailing Address (Including Phone No. and e-mail) Receiver's name and mailing Address (Including Phone No. and e-mail) Receiver's authorisation No. Rece	2	Sender's authorisation No.	HWM/pit/2021/11695733
(Including Phone No. and e-mail) Type of vehicle Type of vehicle (Truck/Tanker/Special Vehicle) Transporter's registration No. Receiver's name and mailing Address (Including Phone No. and e-mail) Receiver's authorisation No. Receiver's aut	3 .	Manifest Document No.	3063
6. Transporter's registration No. 7. Vehicle registration No. 8. Receiver's name and mailing Address (Including Phone No. and e-mail) 9. Receiver's authorisation No. 10. Waste description 11. Total quantity No. of Containers 12. Physical form 13. Special handling instructions and additional information 14. Sender's Certificate 15. Sender's Certificate 16. Transporter sequence 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 Assistant Manager (FIS & E) 16. Transporter acknowledgment of receipt of Wastes Name and stamp 17. Signature Nonth Nonth Day Year	4		JVS Tech
Vehicle registration No. RSTY 4 P 93	5	Type of vehicle	(Truck/Tanker/Special Vehicle)
8 Receiver's name and mailing Address (Including Phone No. and e-mail) 9 Receiver's authorisation No. 10 Waste description 11 Total quantity No. of Containers 12 Physical form 13 Special handling instructions and additional information 14 Sender's Certificate 15 Sender's Certificate 16 Sender's Certificate 17 Sender's Certificate 18 Sender's Certificate 19 Sender's Certificate 10 Sender's Certificate 10 Sender's Certificate 10 Sender's Certificate 11 Sender's Certificate 12 Physical handling instructions and additional information 15 Transporter add to the waste 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. 16 Transporter acknowledgment of receipt of Wastes 17 Name and stamp 18 Signature 19 Signature 10 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	6.	Transporter's registration No.	
Receiver's name and mailing Address (Including Phone No. and e-mail) Receiver's authorisation No. Receiver's authorisation N	7	Vehicle registration No.	RJ14 6N 9311
Receiver's authorisation No. RPCB MW m 2-20-21 2-pm HW m 5-9	8		Ray Pahsil Jaibrani Dist Pali - Rajsthan
Total quantity No. of Containers 12	9	Receiver's authorisation No.	/Hwm/59
No. of Containers Containers	10	Waste description	spent Cardyst (silicagel)
Sender's Certificate 1 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 Assistant Managor (HS&E) Name and stamp Transporter acknowledgment of receipt of Wastes Name and stamp Receivers certification for receipt of nazardous and other waste Name and stamp Signature Month Day Year O 9 3 7 3 9 Year O 9 3 7 3 9 Year Nonth Day Year O 9 3 7 3 9 Receivers certification for receipt of nazardous and other waste Name and stamp Signature Month Day Year O 9 3 7 3 9 3 9 4 10 12 4 10 12 4 10 12 5 8 Receivers certification for receipt of nazardous and other waste	. 11		
Information If thereby 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: Transporter acknowledgment of receipt of Wastes Name and stamp: Signature Month Day Year Receives Certification for receipt of hazardous and other waste Name and stamp: Signature Month Day Year Signature Month Day Year O 9 2 7 2 0 2 2 Receives Certification for receipt of hazardous and other waste Name and stamp: Signature Month Day Year O 9 2 7 2 0 2 2	12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
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: Transporter acknowledgment of receipt of Wastes Name and stamp: Signature Month Day Year O 9 2 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13		use PPES
Transporter acknowledgment of receipt of Wastes Name and stamp: Signature Month Day Year Receiver certification for receipt of hazardous and other waste Name and stamp: Signature Month Day Year Receiver certification for receipt of hazardous and other waste Name and stamp: Signature Month Day Year Receiver Certification for receipt of hazardous and other waste	14	अजीत सिंह जासीरिया Ajit Singh Jaloriya सहायक प्रबंधक (एव एस एवं ई.) Assistant Manager (H S & E)	The state of the s
Receivers certification for receipt of hazardous and other waste Name and states: Name and states: Name and states: Signature Nonth Day Year Rekelse Turner	15	Transporter acknowledgment of receipt of Wastes	<u> </u>
Receivers certification for receipt of hazardous and other waste Name and state			
Rakata Turning	16		the state of the s
2006 THE SECOND		Rokaled Running	ाव राजे राजश्र

Panipat Refinery & Petrochemical Complex

SI. No.

3064

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)	Parriput (H.R.)
-2	Sender's authorisation No.	HWM/PIT/2021/11695733
3 .	Manifest Document No.	3064
4	Transporter's name and address : (Including Phone No. and e-mail)	JVS Tech
5 .	Type of vehicle	(Truck/Tanker/Special Vehicle)
6.	Transporter's registration No.	8.7
7	Vehicle registration No.	HR7480722
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	Shree Cement Ray Pahsil Saibram Dist Pali - Ray sthan
9	Receiver's authorisation No.	Pali - Rajithan RPCB/HWM/2020-21/CPM/
		Hwm/59
10	Waste description	spent Calabyst Wilicagel
11	Total quantity No. of Containers	2 8.25 MT m3 or MT
		Sambo bags Nos
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	use ppt's
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately
	अजीत सिंह जातीरिया	described above by proper shipping name
	Alk Singh Jaloriya सहायक प्रबंधक (एवं एवं एवं कें)	and are categorised, packed marked, and labelled, and are in all respects in proper
	Assistant Manager	conditions for transport by road according to applicable national government regulations.
	Name and stampery (I.O.C.L.) Signature Name and stampery (I.O.C.L.) Signature	Month Day Year 2 9 2 9 2 2
15	Transporter acknowledgment of receipt of Wastes	
	Name and stamp: Signature Name and stamp: Signature O	Month Day Year 9 2 2 2 2
16	Receiver's certification for receipt of hazardous and other wa	
	Name and stamp in Signature Name of Kulmur C	Month Day Year 2 9 2 0 2 2
	Sender copy to be sent to	SPCB

* 017

3066

1	Sender's name and mailing address (Including Phone No. and e-mail)	Porriport (H.R)
2	Sender's authorisation No.	
	Sender's authorisation No.	HWM/PET/204/11695733
3	Manifest Document No.	3066
4	Transporter's name and address : (Including Phone No. and e-mail)	Two Tech
5 .	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	12532469087
3	Receiver's name and mailing Address (Including Phone No. and e-mail)	Ray Tahsil Jay from Dist Padi Ray.
9	Receiver's authorisation No.	RPCB/HWM/2020-21/cpm/
		Hwm /59
10	Waste description	Bis remediated sludge
11	Total quantity No. of Containers	20.20 MT m3 or MT
		Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	use ppt/s
14	Sender's Certificate अजीत सिंह जातीरिया Ajk Singh Jalonya Ajk Singh Jalonya (एवं एवं एवं एवं एवं सहायका प्रवंशक (एवं एवं एवं सहायका प्रवंशक (प्रवं एवं एवं सहायका Manager (H S & E) Assistant Manager (H S & E) Name and stampery (I.O.C.) Signature N	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 stampiery (I.O. Signature M	Ionth Day Year 0 0 4 2 0 2
15	Transporter acknowledgment of receipt of Wastes	
	Name and stamp: Signature N Rukelh Kumal	onth Day Year
16	Receiver's certification for receipt of hazardous and other wa	
	Name and Stamp. Signature N Rokesh Kumas	Ionth Day Year 6 6 4 2 2 2
	Sender copy to be sent to	SPCB

Panipat Refinery & Petrochemical Complex FORM 10

SI: No. 3067

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

733 Pali
Pali
TE .
MT
IVII
9
Liquid)
34
of the rately
name
, and proper
ording
ations.
_
٠ا
ا ر
لــــــــــــــــــــــــــــــــــــــ
17.07
\equiv
-

Sender's name and mailing address	10CL Naptha Czackez
(Including Phone No. and e-mail)	Panipat (HARYANA)
Sender's authorisation No.	HWM/PIT/2021/11695733
Manifest Document No.	30.68
Transporter's name and address : (Including Phone No. and e-mail)	JVS Tech
Type of vehicle	(Truck/Tanker/Special Vehicle)
Transporter's registration No.	
Vehicle registration No.	R532409087
Receiver's name and mailing Address (Including Phone No. and e-mail)	Share Cement RAS Tahsil- Taibram Disti Pali Rayasthan
Receiver's authorisation No.	RPCB/HWM/2020-21/CPM/
	HWM / 59
Waste description	Bio remediated Sludge
Total quantity No. of Containers	20.09 MT m³ or MT Nos.
Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
Special handling instructions and additional information	use PPE's
Sender's Certificate अजीत सिंह जालीरिया Ajit Singh Jaloriya शहायक प्रबंधक (एच एस एवं ई.) Assistant Mana (७) (H & E) पानीपत रिफाइनरी (७ मि.सी के 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	Month Day Year
Transporter acknowledgment of receipt of Wastes	
Signature *	Month Day Year ② ② ② ② ② ② ② ② ② ② ② ② ② ② ② ② ② ② ②
== e rer's certification for receipt of hazardous and other wa	
e e supstantip.	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 Signal Signal Jaloriya Registration No. Sender's Certificate Signal Si

3069

SI: No.

-		
	Sender's name and mailing address (Including Phone No. and e-mail)	PANIPAT (HARYANA)
2	Sender's authorisation No.	HWM/ PIT /2021/11695 733
3	Manifest Document No.	3069
4	Transporter's name and address : (Including Phone No. and e-mail)	JVS TECH.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
5	Transporter's registration No.	
7	Vehicle registration No.	P509 60 0698
	Receiver's name and mailing Address (Including Phone No. and e-mail)	Shaee Cement RAS Tehsil- Jaibaam DisttPali Rajo & than
9	Receiver's authorisation No.	RPCB/HWM/2020-21/CPM/HW
		159
(10)	Waste description	Bio Remediated Slucke
17	Total quantity No. of Containers	20.589 MT m3 or MT
		Nos.
2	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
	Special handling instructions and additional information	Jeofuse PPE's
	Sender's Certificate अजीत सिंह जालीरिया Ajit Singh Jaloriya सहायक प्रबंधक (प्रव प्स प्तं ई.) Assistant (प्रवादक (प्रव प्तं ई.)-132140 Name and stamp anipat Refireignature (प्रव)-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.
- = -	Transporter acknowledgment of receipt of Wastes	0 8 8 2027
	14 12	onth Day Year
	Receiver's certification for receipt of hazardous and other was	0 0 4 2 ste
	Raketh Kumaz	onth Day Year O 0 8 2 0 2 2

Sender copy to be sent to SPCB

Panipat Refinery & Petrochemical Complex

SI. No. 3070

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

1	Sender's name and mailing address	Ioch Naphtha Cracker
	(Including Phone No. and e-mail)	Paniput CHR)
		Tanget Cities
2	Sender's authorisation No.	HWM/PET/2021/11695733
3	Manifest Document No.	3070
3	Transporter's name and address : (Including Phone No. and e-mail)	Jus Tech
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
5	Transporter's registration No.	
7	Vehicle registration No.	HR74132379
2	Receiver's name and mailing Address (Including Phone No. and e-mail)	Ray Tahsil Jailsam Dist
	Receiver's authorisation No.	Pali - Ray. RPCB/HLOM/2020-21/CPM/
		Hwm/59
10	Waste description	spent Catalyst (solica)
	Total quantity No. of Containers	26.8) m³ or MT
		Jambo bag Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
	Special handling instructions and additional information	vie PPE's
		0,0 1,03
104	Sender's Certificate	I hereby declare that the contents of the
	अजीत सिंह जालीरिया	consignment are fully and accurately
	am gingh Jajoriya	described above by proper shipping name and are categorised, packed marked, and
	Training (DE) VA SA V.	labelled, and are in all respects in proper
	internat Manager (1109%)	conditions for transport by road according to applicable national government regulations.
	रिफाइनरा (आई.आ.सा.च्य	Month Day Year
	Sampat Heliniery (11 Signature	6 0 2 0 2 3
955	Tansporter acknowledgment of receipt of Wastes	
	約3000000000000000000000000000000000000	Month Day Year
	Rakesh Kumar L	aste
	製作品 (の) 算 W	Month Day Year
	* Ra Kesh Kymar [10 6 20 22
	Sender copy to be sent to	SPCB

1	Sender's name and mailing address (Including Phone No. and e-mail)	Doel Naphtha Cocker Pariport (HR)
1/2	Sender's authorisation No.	HWM/PIT/2021/116957-33
3	Manifest Document No.	- 3071
4	Transporter's name and address : (Including Phone No. and e-mail)	JW Tech
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
	Transporter's registration No.	
	Vehicle registration No.	A 5054B3617
	Receiver's name and mailing Address (Including Phone No. and e-mail)	Shree Cement Rod Tahail Jaibram Dist Pali - Roy
	Receiver's authorisation No.	RPCB/HWM/-2020-21 /CPM/ HWM/59
	Waste description	Spent Catalyst (Silica)
	Total quantity No. of Containers	Z2.19 m³ or MT Tambo bug Nos.
	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
	Special handling instructions and additional information	we pp6/s
	Sender's Certificate अजीत सिंह जालीरिया Ajit Singh Jaloriya सहायक प्रबंधक (एच एस एवं ई.) Assistant Manager (कि.स.)	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.
	Marie and stampetinery (I.O. Sighature Mc	onth Day Year 2 2 2
KI (sporter acknowledgment of receipt of Wastes	
	Signature Mo	0 0 1 2 6 2 2
	Signature Mo	ste onth Day Year
	Rakesh Kumaz I	0 01 2622

3073

	Sender's name and mailing address	IOCL NAPTHA CRACKER
	(Including Phone No. and e-mail)	TO WIT THE CHICKLY
	(including Phone No. and e-mail)	PANILONE CUTTO
		PANIPAT (HR)
2	Sender's authorisation No.	HWM/PIT/2021/11695733
		110011/14041/11812735
3	Manifest Document No.	3073
	Transporter's name and address :	
	(Including Phone No. and e-mail)	Tuc Tal
	(morating r from the aria o many	TVS Tech.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
100000	T	
10	Transporter's registration No.	
	Vehicle registration No.	RJ14 4P 38 56
	Tomojo regionation rie.	
	Receiver's name and mailing Address	Shaee Cement
	(Including Phone No. and e-mail)	Ras Tahsil Jaibsam Distt. Pali
		Rajasthan
	5 to do not be dealers. No	
	Receiver's authorisation No.	RPCB/HWM/2020-21/CPM/
		HWM/59
		1
	Waste description	11 1 2 1 2 1 2 1 2 2
		Bio remediated sluely
	Total quantity	20,89 MT m3 or MT
	No. of Containers	m³ or MT
		Nos.
	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
		\ \$ '
	Special handling instructions and additional	Use PPE'S
	information	use Pri
COMP.	Sender's Certificate	I hereby declare that the contents of the
		consignment are fully and accurately
	अजीत सिंह जालीरिया	described above by proper shipping name
	Aiit Singh Jalon na g.)	and are categorised, packed marked, and
	अजीत सिंह जावारिक Ajit Singh Jaloriya महायक प्रबंधक (एच एस एवं ई.)	labelled, and are in all respects in proper
	A sir ant Manager (१) पर 140	conditions for transport by road according to applicable national government regulations.
	e and stamp:	Nonth Day Year
	719 162	6 1 2022
1962	an sporter acknowledgment of receipt of Wastes	
	Name and stamp: Signature * N	Nonth Day Year
	Rakesh Kumaz 1	6 11 2022
es:	ers certification for receipt of hazardous and other wa	
	SOEKARS	Month Day Year
		16 111 2022
	Raikesh Kuman	
	Sandar conv to be sent to	COPE

3078

RWW-Carlotte		TIOCI MACTUA CRACKET
	Sender's name and mailing address (Including Phone No. and e-mail)	PANIPAT (HR)
1	Sender's authorisation No.	HWM/ PIT/2021/11695733
	Manifest Document No.	3078
	Transporter's name and address : (Including Phone No. and e-mail)	JVS Tech.
E	Type of vehicle	(Truck/Tanker/Special Vehicle)
	Transporter's registration No.	
	Vehicle registration No.	R5144P3856
	Receiver's name and mailing Address Including Phone No. and e-mail)	SHREE CEMENT RAS TAHSIL JABRAM DISTT. PALI RAJASTHAN
	Receiver's authorisation No.	RPCB/HWM/ 2020-21/CPM/
		HWM/59
	Maste description	Bioremediated studge
	Total quantity of Containers	18.38 MT m³ or MTNos.
	and sical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
	Special handling instructions and additional additional	use PPELS
	अजीत सिंह जालीरिया Alit Singh Jaioriya सहायक प्रबंधक (एच एक्ट्रिकेट	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.
	Paginat Refinery (I.O.C.L.) 132140	Month Day Year \20322
N. T.	acknowledgment of receipt of vvastes	<u> </u>
B	Signature * Rakesh Kumar	Month Day Year 2 0 2 2
	es certification for receipt of hazardous and other w	vaste
	Signature	Month Day Year
	Rakesh Kumat	
	Sender copy to be sent t	0 3108

mulan on corporation Emmes

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

SI: No.

3079

	WANTEST FOR HAZARDOUS AND	
	Sender's name and mailing address (Including Phone No. and e-mail)	PANIPAT (HR)
	Sender's authorisation No.	HWM/PIT/2021/11695733
	Manifest Document No.	3079
	Transporter's name and address : (Including Phone No. and e-mail)	JVS Tech.
	Type of vehicle	(Truck/Tanker/Special Vehicle)
	Transporter's registration No.	
	Vehicle registration No.	RJ 14GP 3856
	Receiver's name and mailing Address (Including Phone No. and e-mail)	SHREE CEMENT RAS TAHSIL JABRAM DIST. PALI TRATASTHAN
	Receiver's authorisation No.	RPCB/HWM/2020-21/CPM)
		HWM / 59
	Waste description	Biodemediated Sludge
# 1	Total quantity No. of Containers	16.82 m 7 m³ or MT
	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
72	Special handling instructions and additional aftermation	use PPENS
	डार्जीत सिंह जालीरिया अजीत सिंह जालीरिया Ajit Singh Jaloriya सहायक प्रबंधक (पच एस एवं ई.) Assistant Man (पच एस (न्या)) - 132140 अजीवन निफाइनरी (दें के किस्ति) - 132140 === and StamBat Refinery (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. Month Day Year 2 0 3 2
	and a sporter acknowledgment of receipt of Wastes	
		Month Day Year
1/2 1/4/2	er's certification for receipt of hazardous and other w	vaste
		Month Day Year
Programme of the second	Sender copy to be sent to	SPCB

3080

国			
	Sender's name and mailing address (Including Phone No. and e-mail)	PANIPAT (HR)	
	Sender's authorisation No.	HWM/PIT/2021/11695733	
	Manifest Document No.	3080	
	Transporter's name and address : (Including Phone No. and e-mail)	IVS Tech.	
75.5	Type of vehicle	(Truck/Tanker/Special Vehicle)	
	Transporter's registration No.		
	Vehicle registration No.	RJ 14GP 3856	
	Receiver's name and mailing Address (Including Phone No. and e-mail)	SHREE CEMENT RAS TAHSIL JABRAM DISTI PALI RAJASTHAN	
1	Receiver's authorisation No.	RPCB/HWM/2020-21/CPM/	
		HWM/59	
	Waste description	Broxemediated Sludge	
	Total quantity No. of Containers	17.74 M.T. m³ or MT	
	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)	
	Thy control of the co		
	Special handling instructions and additional information	USE PPEIS	
	Sender's Certificate अजीत सिंह जालीरिया Ajit Singh Jaloriya सहायक प्रवंधक (प्रचास एवं ई.) Assistant अवश्वक (प्रचास एवं ई.) Assistant अवश्वक (प्रचास एवं ई.) अक्रा and stamp. aipat Rema Signature (र.) 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 anipat Remisignature. 132140	8 09 80 22	
The same of the sa	ansporter acknowledgment of receipt of Wastes		
	Signature Month Day Year Rakesh Kumur I 2 0 9 2 0 2 3		
Maria Maria	er's certification for receipt of hazardous and other waste		
	Signature M Rakeh Kumaz 1	Ionth Day Year 2 0 9 2 0 2 2	
	Sender copy to be sent to SPCB		