

रिकाइनरीज़ प्रभाग Refineries Division इंडियन ऑयल कार्पोरेशन लिमिटेड

पानीपत रिकाइनरी एवं पेट्रॉपेनियल कॉस्सेक्स पानीपत, हरियाणा – 132140

Indian Oil Corporation Limited
Panipat Refinery & Petrochemical Complex

Panipat, Haryana - 132140

वैससद्य www.iocl.com; ई-गेल : prpc_bee€indiacoil.io

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Date: 15.01.2024

इंडिएनअग्रेप

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 2023 to December 2023 of the MOEFCC stipulations w.r.t. following EC Letters.

- 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.
- 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.
- CC 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.
- 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.
- 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.
- EC Letter No. IA-J-11011/305/2020-IA-II(I) & EC Identification No EC23A021HR177456 dated 30.01.2023 for expansion by installation of a 60 KTA Poly-Butadiene Rubber (PBR) plant at Panipat Naphtha Cracker Complex, Panipat (Haryana) - Environmental clearance registration.

This is for your information

Thanking you

Yours faithfully.

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Panipat Refinery and Petrochemical Complex

Enclosures: as above

CC: 1. The Regional Officer, HSPCB, Panipat

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

3. The Regional Directorate, CPCB, Chandigarh, 160059

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s. No.	EC letter Compliance report/Environmental monitoring reports Jul'23 to Dec'23	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 IM/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
5	Compliance report for EC Letter No. IA-J-11011/306/2020-IA-II(I) & EC Identification No. EC23A021HR177456 dated 30.01.2023 for expansion by installation of a 6D KTA Poly-Butadiene Rubber (PBR) plant at Panipat Naphtha Cracker Complex, Panipat (Haryana)	Attached as Annexure-F
7	Ambient Air quality data.	Attached as Annexure-1
8	Stack Emission data	Attached as Annexure-2
9	Effluent quality data	Attached as Annexure-3
10	Noise Monitoring data	Attached as Annexure-4
11	Manifests (Form-10)	Attached as Annexure-5

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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 (Jul'23- Dec'23)

A. Specific Conditions

SL. No.	Conditions stipulated in the EC letter	Status/Action plan
()	The gaseous emissions (SO ₂ , NO ₂ 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. 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
IV)	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
1000	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 $5O_2$ 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, emission, the company shall install low NO, burners.	Low NO, 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.	Complied
(X)	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.
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 of 40 ha area has been provided all around the plant to mitigate the effects of

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SL. No.	Conditions stipulated in the EC letter	Status/Action plan	
	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.		
	64 65 85	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.	

SL. No.	Conditions stipulated in the EC letter	Status/Action plan
1)	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.
III)	At no time, the emissions should go beyond the prescribed standards. In the event of fallure 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.
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

SL. No.	Conditions stipulated in the EC letter	Status/Action plan
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.	complied
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.	Complied, Date of financial closure of all project is 31st March every year

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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 (Jul'23- Dec'23)

A. Specific Condition

SL. No.	Conditions stipulated in the EC letter	Status/Action plan
Ŋ.	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.
U)	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
ш	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 strategic locations.
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.	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.	Complied
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
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,	Complied



SL. No.	Conditions stipulated in the EC letter	Status/Action plan
	2008 and amended time to time.	
XVI)	Proper oil spillage prevention management plan shall be prepared to avoid spillage/leakage of oil/petroleum products and ensure regular monitoring.	Complied
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.	Complied
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

R	General	Conditions
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0	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.	Complied
II)	No further expansion or 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 conditions imposed and to add additional environmental protection measures required, if any.	Approval of MoEF&CC will be obtained for future expansion, 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.	Complied PESO approval is available.
(V)	The overall noise level in and around the plant area shall be kept	Complied



SL. No.	Conditions stipulated in the EC letter	Status/Action plan
	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).	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.
VIIJ	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 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.	Complied
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	Complied Environment Statement is sent to HSPCB & MOEFCC, RO every year.

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Annexure-B

SL. No.	Conditions stipulated in the EC letter	Status/Action plan
	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.	
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, Date of financial closure of all project is 31st March every year
XIV	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
ΧV	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



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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 (Jul'23- Dec'23)

A. Specific conditions

S.No	Conditions stipulated in the EC letter	Status/Action Plan
1	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.	Complied
II	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	Complied, All the conditions of these ECs as per reports sent to MoEFCC.
111	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.	Complied, CTO granted by HSPCB Ref. no. HSPCB/Consent/: 313105822PITCTO25464308 & Valid up to 30.09.2027
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.	Complied, Total emission of PNC including this project is well within the limit of 138 Kg/hr.
V	Ambient Air 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).	Complied
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.	Complied
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.	No DG set envisaged in this project.
VIII	Total fresh water requirement from the canal shall not exceed 1700m3/hr (annual average) and prior permission shall be obtained from the competent authority. No ground water shall be used without permission.	Complled
IX	The marginal waste water from SRU & ERU plant shall be sent	Complied

5.No	Conditions stipulated in the EC letter	Status/Action Plan
	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	74*
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 to be implemented on priority.	Complied
XII	Regular VOC monitoring to be done at vulnerable points.	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	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	Complied
XV	Oil catchers/oil traps shall be provided at all possible locations in rain/ storm water drainage system inside the factory premises.	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.	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	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.	Complied
XIX	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	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.	Complied
XXI	As proposed green belt over33% shall be developed within plant premises with at least 10 meter wide green belt on all	Complied



S.No	Conditions stipulated in the EC letter	Status/Action Plan
	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 State Pollution Control Board, Central Pollution Control Board, state Government and any other Statutory authority.	Complied
	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 shall be obtained of MoEFCC for future expansion, if any
Ш	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.	Complied
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.	Camplied
IX	The company shall undertaken all relevant measures for improving the socio-economic conditions of the surrounding area. CSR	Complied

Sr. No.	Conditions stipulated in the EC letter	Status/Action Plan
	activities shall be undertaken by involving local villages and administration.	
Х	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Complied
ХІ	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied
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.	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.	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.	Complied Environment Statement is sent to HSPCB & MoEFCC, RO every year
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.	Complied, Date of financial closure of all projec is 31st March every year



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 (Jul'23- Dec'23) GENERAL CONDITIONS

Sr. No.	Conditions stipulated in the EC letter	Status/Action Plan
	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.
Ш	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.	Complied
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.	Complled
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
1X	The company shall undertake all relevant measures for improving the	Complied

Sr. No.	Conditions stipulated in the EC letter	Status/Action Plan
	socio economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration.	
×	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Complied
XI	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied
ХB	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.	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.	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.	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, Date of financial closure of all project is 31st



Sr. No.	Conditions stipulated in the EC letter	Status/Action Plan
		March every year.

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
11	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 CPCB/SPCB guidelines.	Complied
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
ΙX	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	Complied

Sr. No.	Conditions stipulated in the EC letter	Status/Action Plan
	of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	
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 plt 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
XIII	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. (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 Waste water generation. The green belt of 5-10 m width shall be developed in more than	Complied
AVI	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.	Compiled
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.	Complied
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	Complied



Annexure-D

5r. No.	Conditions stipulated in the EC letter	Status/Action Plan
	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.	
XXI	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied

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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 (Jul'23- Dec'23)

A. SPECIFIC CONDITIONS

S.No	Conditions stipulated in the EC letter	Status/Action Plan
	Existing naphtha cracker complex shall adhere to complete ZLD.	Will be Complied
IJ	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
11	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
Х	Oil catchers/oil traps shall be provided at all possible locations in rain/storm water drainage system inside the factory premises.	Will be Compiled
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
ΧV	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 Complled
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.	No furnace & boller is installed in this project. No waste water will be generated from this project.
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.	Will be Complied
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.	Will be Complied
ХХ	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



B. GENERAL CONDITIONS

	GENERAL CONDITIONS	Francisco No.
r. No.	1 Louis page 100 to	Status/Action Plan
1	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
T	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Will be Complied
Ш	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
٧	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 Compiled
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.
VII	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by 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

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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.
х	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



Expansion by Installation of a 60 KTA Poly-Butadiene Rubber (PBR) plant at Panipat Naphtha Cracker Complex, Panipat (Haryana)

Environmental Clearance No. IA-J-11011/306/2020-IA-II(I) & EC Identification No. EC23A021HR177456 dated 30.01.2023 from Ministry of Environment & Forests

Six-monthly compliance report (Jul'23- Dec'23)

A. SPECIFIC CONDITIONS

S.No	Conditions stipulated in the EC letter	Status/Action Plan
ı	Adequate stack height as per CPCB/SPCB guidelines shall be provided. Stack emission levels shall be stringent than the existing standards i.e. PM < 50 mg/Nm3; SOx < 50 mg/Nm3 and NOx < 100 mg/Nm3.	Will be Complied
H	CEMS shall be installed and connected to SPCB/CPCB Server.	Will be Complied
#1	Effective fugitive emission control measures shall be adopted in the process, transportation, packing etc.	Will be Complled
IV	Transportation of materials by rail/conveyor belt, wherever feasible, shall be explored	Will be Complied
٧	RLNG shall be proposed as a primary fuel in the proposed Thermal oxidizer.	Will be Complied
VI.	The best available technology shall be used.	Will be Complied
VII	The PP shall develop an additional greenbelt over an area of at least 7.3 ha, by planting approx. 18250 numbers of saplings within a year of grant of EC. The saplings selected for the plantation should be of sufficient height, preferably 6-ft. The budget earmarked for the plantation shall be kept in a separate account and should be audited annually. The PP should annually submit the audited statement along with proof of activities viz. photographs (before & after with geolocation date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the EC Identification No EC23A021HR177456 File No IA-J-11011/306/2020-IA-II(I) Date of Issue EC - 30/01/2023 Page 6 of 11 Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.	Will be Complied
VIII	The transportation load on roads shall be within their carrying capacity and adequate width of roads shall be maintained inside the industrial premises.	Will be Complied
IX .	The existing effluent shall be treated and 100% reused within the premises and the proposed effluent shall also be treated and reused in the process application. Additionally, approx 100 KLD domestic waste water shall be generated after commissioning of the PBR plant, which shall be treated in the proposed ETP along with the treatment of processed wastewater.	Will be Complied
Х	Continuous monitoring of effluent quality/quantity shall be done through online (OCEMS) mode. Further, the effluent monitoring shall be done once in a month by the MOEF&CC authorized agency. The OCEMS shall be connected to SPCB/CPCB server as well, to comply with the norms.	Will be Complied
ΧI	The rainwater from part of the rooftops shall be diverted using rain water pipes to the surface and via a storm water drain network. 2 (new)	Will be Complied



S.No	Conditions stipulated in the EC letter	Status/Action Plan
	rainwater harvesting pits with an area of 3000 m2 and recharge potential of 1200 m3 shall be constructed for the proposed PBR Project. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.	
XII	No Fly ash, slag and red mud shall be generated from the existing as well as from the proposed PBR plant.	Will be Complied
XIII	The hazardous waste (Molecular Sieve waste, waste rubber (0.50% basis), ETP sludge) shall be collected, stored, transported, and disposed to TSDF/co-processing. The waste should be preferably utilized in co-processing.	Will be Complied
XIV	Monitoring of the compliance of EC conditions shall be submitted with third party audit every year.	Will be Complied
XV	An amount of ₹ 84 lakhs shall be allocated towards CER for diverting the drain channel opposite to CISF colony towards D-2 drain.	Will be Complied
XVI	A separate Environmental Management Cell (having qualified persons 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. PP shall engage GM (HS&E), DGM (HS&E), CM, SM, M, AM and Officers. In addition to this one safety & health officer as per the qualification given in Factories Act 1948 shall be engaged within a month of grant of EC. PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.	Will be Complled
XVII	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. The budget propose under EMP is ₹ 32137.14 Lakhs (Capital cost) and ₹ 281.44 lakhs per annum (Recurring cost) shall be kept in separate EC Identification No EC23A021HR177456 File No IA-J-11011/306/2020-IA-II(I) Date of Issue EC - 30/01/2023 Page 7 of 11 account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.	Will be Compiled
XVIII	The total water requirement is 74,652 KLD (4,572 KLD for PBR project) of which fresh water requirement of 50192 KLD (3,192 KLD for PBR project) will be met from Western Yamuna Canal. The PP should ensure that water supply should not be above the permissible limit as mentioned in the letter and fresh water shall be withdrawn only after obtaining valid agreement from Concerned Authority. The PP should submit the details of utilization to the Integrated Regional Office (IRO), MoEF&CC before 1st July of every year for the activities carried out during the previous year.	Will be Complied

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S.No	Conditions stipulated in the EC letter	Status/Action Plan
XIX	No banned chemicals shall be manufactured by the project proponent. No banned raw materials shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard.	Will be Complied
XX	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard	Will be Complied
XXI	All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The project proponent shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.	Will be Complied
XXII	The volatile organic compounds [VOCs]/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out	Will be Complied
XXIII	The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.	Will be Complied
XXIV	The occupational health centre for surveillance of the worker's health shall be set up. 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.	Will be Complied
XXV	Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies	Will be Complied
XXVI	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
XXVII	The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	Will be Complied
XXVII I	The PP 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.	Will be Complied

Sp

S.No	Conditions stipulated in the EC letter	Status/Action Plan
2 10.10	(e) Venting equipment through vapour recovery system. (f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation	
XXIX	The activities and the action plan proposed by the project proponent to address the issues raised during the public hearing as well as the related socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit.	Will be Complied

B. GENERAL CONDITIONS

r. No.		Status/Action Plan
l	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
10	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans Boundary Movement) Rules, 2016 and other rules notified under various Acts.	Will be Complied
101	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Will be Complied
IV	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, 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
V	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. 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
VI	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	Will be Complied



Sr. No.		Status/Action Plan
	conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	
VII	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.	Will be Complied
VIII	The project proponent shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated 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
IX	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 Integrated Regional Office of MoEF&CC by e-mail.	Will be Complied
X	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.	Will be Complied
ΧI	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
XII	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Will be Complied



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Website: www.aalkundli.com

TEST CERTIFICATE

Page 1 1

Issued To:

Mas Indian Oil Corporation Ulmited

(Refineries Division)

Panipat Naplaha Cheker,

Pontipa, (Haryana)

Sample Description:

Ambient Air Quality Monitoring

Sampling Method:

18:5182 (Part-14)-2000

Work order frem:

Portipe: Naphthii Cocker (Table-V)

Sampling Constion:

Roaf of Quality Control Lab

Report No. AAL ENV-20251201001

Date of Receiving:

01/12/2023

Date of Starting:

01/12/2023

Date of Completian:

06/12/2003

Date of Reporting:

06/12/0923

Sampling Durations

24:00 Hts

Sampling Done By:

AAL

TEST RESULT

Test Parameters-> —•ate of Sacapling↓	PM _{1,5} (agara)	PM _{ef} (pphr)	SO ₂ (up/or)	NO ₄	(O) (ngin')	O ₃	NH ₃ (pg/m²)	Pb (ps.0)	C _o H _o (top ar)	As mg/m²)	NI (remit)	B(a)P angin
02/11/2003	102.5	190.4	9.6	25.3	0.75	30.8	24.5	ND	1.23	ND	100	ND
36/11/2023	102.3	198.3	9.2	26.8	1,20	34.5	25.8	NU	(4.5	ND	KJ	NU
09/11/2023	108.5	185,7	12.1	^3.4	0.85	33.9	23.7	ND	10	ND	23	ND
Tey! 1/2/23	96.2	176,5	11.3	28.9	0.95	29,+	24.9	NO	1,05	ND	205	ND
20/11/2023	33.7	170.2	10.9	25.0	v.85	28.8	26.5	N27	1.13	ND	ND	ND
27/(1/2023	82.7	140.8	9.7	22.7	0.75	31.6	25.4	N.	175	ND	ND	ND
27/41/2023	65.4	120.3	9.3	25.2	0.85	32.7	27.8	ND	1.00	183	ND	ND
30/11/2023	58.1	115.7	10.4	26.1	1. 5	30,5	29.4	ND	1.05	NO.	ND	ND)
Maximum	108.5	108.3	12.4	28.9	1.20	35.9	29.4		1.25			
Minimum	58.1	115,7	9.2	22.7	0.75	28.8	23.7		1.00		-5	
Average	87.7	163.0	10.4	25.5	0.92	31.8	26.0	-	1.09			-
NAAQ Stendard	60°	160,	85	80'	2"	100	400	1	500	6"	20***	I ^{res}

** End of Report**

Remarks: (*) 2) Hour Average (**) 8 Hours Average (***) Annual Average Att-No Betwee, No Detection Unit.

Test Method as Followst-

Publications Morter, PMag., 18:3182(P-24):2019, Particulate Marter, PMag., 18:3; 82(2-25)-2006, Sulprair Duocide for SOs)- (3-3182 (P-2)-2001, Noticigen Diocide (as NO₂)- (8-3182(P-2)-2004, Carbon Moscovite (as CC₂)- (8-3182(P-13)-1999, Ozone for G₂ - (8-3182(P-0)-1994, Ammortia (as NH₂)- (8-3182(P-2)-2018, Lead (in Pb) - (8-3182(P-2)-2004, Nickel (as Ni) - AAL/SON/008, Assente (in As) - (8-3182(P-22)-2004, Because (as C₂H) - (8-3182(P-11)-2006, Barter a-pytene (BaP) - (8-3182(P-12)-2004

Detection Limit is rollows:-

Printicaliste Matter, PM 3 - 5 pg/m², Particulate Matter, PM 3-10 pg/m². Sulphur Doublée (as SO₂) - 5 pg/m², Nitrogen Dissorte (as No2) - 4 pg/m², Larbon Almas (as No2) - 25 ng/m², Come (as CO₂) - 20, g/m², Aramonia (as No4) - 25 ng/m², Leed (as Pb) - 0.1 pg/m², Nickei (as No.) - 1.0 ng/m², Aramonia (as Ar.) - 1.0 ng/m², Leed (as Pb) - 0.1 pg/m², Nickei (as No.) - 1.0 ng/m², Nickei (as

ASIMUTOSTI SRIVASTAVA DEMUM TAKUSUSI MARISASI

Note: 1. The Result In-Plated above refer to the feeter, satingle and asted sest parameters only, and orse most of product is not an inflamed not impaced.

2. Total Halvilly of our laboratory is insided to the invoice or point.

3. This report shall not be remainded whether a new without consent of the impacts of

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TEST CERTIFICATE)

Page 1 of 1

Issued To:

M/s Indian Oil Corporation Limited

(Refraeries Division)

Pampat Naphtha Criteker,

'onip... (Haryara)

Sample Description:

Ambient Air Quality Monitoring

Sampling Method:

JS:5182 (Fart-14)-2000

Work order Item; Sampling Levation; Parriput Naphtha Cracker (Table-V) Roof of Quality Control Lab

Report No. AAL I.NV-20231020001

Date of Receiving:

73/10-20**2**3

Date of Starting:

20:10/2003

Date of Completion: Date of Reporting: 25/10/2023

Sampling Duration:

25/10/2023 34:00 füs

Sampling Done But

AAL.

TEST RESULT

Test Parameters→ Pute of Sampling↓	PM _{2,5} (min)	PMig	SO ₅	NO ₂ 109'710	(CO)	O ₃	NH, (, pm²)	(Pb (ppin')	С ₆ Н ₅	As (mgm²)	Ni (rem)	R(a)k togad
03/10/2023	40.3	80.5	13.6	24.5	1.00	28.9	13.7	ND	1.15	70	ND	220
06/10/2013	41,8	81,6	12.5	25.9	1.05	27.3	21.5	ND	1.20	70.	ND.	ND.
09/ 3/2(2)	50.3	84.9	13.5	30.7	1.15	30.1	344	ND	1.10	NI3	N5	- ÑO
12/10/2023	46.7	83.5	15.8	26.9	1.10	27.6	70.5	ND.	1.20	ND	CN	N.,
16/10/2023	52.6	86.8	12.9	25,4	0.85	26.5	32.7	No	1.25	ND	ND	N:
19/10/2023	+8.3	81.4	162	23.9	0.95	25.7	31.4	Nb	1.15	ND	DIN	N
Maximum	52.6	86.8	14.8	30.7	1.15	30.1	34.4	····	1.25		-	
Ministra	40.3	80.5	12.5	23.0	0.85	25.7	30.8	177	1,10	- :-	-	
Average	46.7	83.1	13.6	26.2	1.02	27,7	32.4	-	1.18	-	- "	-
NAAQ Standard	69'	100	80'	80	1"	100	400	1.	5	6.00	20.00	1'**

""End of Report""

Borrarks, + (*) 2+ Hour Average (**) 5 Hours Average (***) Aumai Average NO- Not Descard, DL - Describe Limit.

Fest Method as Fullows-

Particular, Minter, Ph. 19, 18-3 182 (1-24)-2019, Particulate Metter, PM pp. 18-5182 (P 24)-2006, Sulphur Director (no Oc) - 18-5182 (P-2)-2006, Numeran Director (no Oc) - 18-5182 (P-2)-2006, Carbon Monacide (no Oc) - 18-5182 (P-2)-1978, Amount on the NH 1-48-5182 (P-2)-2018, Load Ins Ph) - 18-5182 (P-2)-2004, Nickel (no NH 1-48-5182 (P-2)-2018, Load Ins Ph) - 18-5182 (P-2)-2004, Nickel (no NH 1-48-5182 (P-1)-2006, Benzo a-pyreno (BaP) - 18-5182 (NH 1-2004)

Detersion Lamit as Pollows:-

Perfective Mater, PM 13 - 1 ag/m². Particulate Mater, PM 1, -18 µg/m², Sulphur Dioxide for SO₃5 5 µg/m². Nitroreas Dioxide (as NO₃) - 4 µg/m². Carbon Manuside (as CO)-0.3 mg/m². Ozone ins O₃) - 29 µg/m². Ananonia (as NO₃) - 30 µg/m², Lend (as Ph) - 0.1 mg/m². Nitrori (as No₃) - 10 ng/m². An onic its Asi - LC ng/m². Batterie (as Colf.) - 1.0 ng/m². Sanso s-pyrene (Balt) - 0.3 µg/m².

Dr. D. R. SHARMA Gen. Makagen (0.61) Authorised Signatory

Note: 4. The Health dice and above refer to the tested sumple and fisted less parameters only, and nomers of products is ceither inferred not imprise.

Total tability of our laboratory is limited to the invoice amount.

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TEST CERTIFICATE

Page 1 of 1

layned To:

M/s Indian Oil Corporation Limited

(Refineries Division)

Panipat Naphtha Cracker,

Penipat (Haryane)

Sample Descriptions

Ambient Air Quality Monitoring

Sampling Mathod:

IS:5182 (Pan-14)-2000

Wark order Item:

Paaipat Naphtha Cracker (Table-V)

Sampling Location:

Roof of Quality Control Lab

Report No. AAL (INV-20230/2900/)

Date of Receiving:

29/09/2023

Date of Starting:

29/09/2023

Date of Completion:

06/10/2023

Date of Reporting:

06/10/2023

Sampling Duration:

24:00 Hrs

Sampling Done By:

AAL

TEST RESILT

Test Parameters→ Date of Sampling↓	PM25 (43/07)	PM ₁₉ (aght)	SO ₂ (upin)	NO ₃	(u8:n)	O ₃ mg/m²)	NH, (pg/n ²)	Ρb (4,6/10 ³)	CaHe (upin)	As (ogm)	Ni (ng/m²)	B(s)P
0.709/2023	:5	84.3	,10,5	27.3	0.55	24.6	36.8	ND	1.00	ND	ND	ND
07/09/2023	36.9	68.5	9.8	22.6	0.80	23.6	38:1	ND	1.15	ND	NO	NO
11/09/2020	38.7	72.5	10.6	28.3	0.85	26.4	32,7	ND	1,10	ND	ND	ND
14/05/2023	12.5	74.8	12.3	24.5	1.05	30.9	36.4	ND	1.13	ND	ND	ND
18/09/2023	45.3	74.5	11.7	28.6	0.95	32.7	42.8	No.	1.50	ND	11D	ND
21/09/2023	37.6	68.9	12.7	22.1	0.85	26.1	38.4	ND	1.10	ND	ND	ND
28/09/2073	35.4	73.6	9.5	18,9	1.15	30.4	42.3	ND	1.25	ND	ND	ND
Maximum	54.5	84.3	12.7	28,6	1.15	32.7	42,8		1.25			
Minimum	35,4	68.5	9.5	18,9	0.80	23.6	32.7	- 7	1.00			-
Average	41.6	74,2	11.1	24.6	0.94	27.9	38.2		1.11	-,		
AAQ Stoulard	60"	106*	но"	80"	2"	160	400	-1-	5	600	20***	1"

Remarks: - (*) 24 Haur Average (**) 8 Hours Average (****) Annual Average NO-Met Descret, M.- Detection in init.

Test Method as Follows:

Porticulare Metter, PM gs. 15-4482 (P-24)-2019, Particulate Moner, PM gr. 18-5182 (P-23)-2006, Sulpher Dinxide (as 80)-18-5182 (P-2)-2001, Not open Dinxide (as NO)-18-5182 (P-2)-2004. Carbon Moneralde (as CO)-18-5182 (P-10)-1999, Ozone (a. O.)-18-5182 (P-2)-1974, Annuonia (as NH)-18-5182 (P-25)-2018, Lend (as Pb)-18-5182 (P-22)-2004, Nickel (as Nr)-AAL/SOP.008, Americ (as As)-18-5182 (P-22)-2004, Benzene (as Calid)-18-5182 (P-11)-2006, Banzo p-pyrene (BaPT-18-5182 (P-12)-2004

Beccution Linea as i allows:

Ponticulate Matter, PM 2 - 5 μg/m², P. neculate Matter, FM 30-10 g/m², Sulphur Dioxade (as SO₂) - 5 μg/m², Nittregen Dioxide (as NO₂) - 4 μg/m². Carban Monorade (as CO) - 9.5 mg/m², Ozone (as CO) - 20 μg/m², Ammunia (as NH₂) - 20 μg/m², Lead (as Pb) - 0.1 μg/m², Nickel (as Ni) - 1.0 ng/m². Arsenie (as As) - 1.0 ug/m², Benzene (as C₈H₆) - 1.0 μg/m², Banzo a-pyrene (Bai) - 0.5 ng/m².

Astruction Constitution Astronomy Technical Manager
Authorised Signatury

Note: 1. The Result Indicated above refer to the tested sample and listed test parameters uply endorsement of products is a neither interned not applied.

2. The Result Indicated above refer to the tested sample and listed test parameters uply endorsement of products is in white the tested samples.

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Website: www.aalkundii.com

TEST CERTIFICATE

Page 1 of 1

Issued To:

M/s Indian Oil Corporation Limited

(Redineries Division)

aniput Naphula Creeker,

Partipat (Haryana)

Sample Description:

Ambient Air Quality Manitoring

Sampling Method:

IS:5182 (hart-14)-2000

Work order Brane

Paniput Naphtha Cracker (Table-V)

Sampling Location:

Roof of Quality Course Lat.

Report No. AAL ENV-20230501001

Date of Receiving.

01/09/2023

Date of Starting:

01/09/2023

Date of Completion:

Date of Reporting:

06/39/2023

Sampling Duration:

05/09/2023 24:00 Hrs

Sampling Done By:

AAL

TEST RESULT

Test Parameters→ Pute of Sampling!	PM ₂ , fog(a)	PM _{te} top no	SO. J./m ²)	NO ₃ Geral	CU (right')	O ₃ (pg/m)	NII _j (pg/m²j	Pb (uz): 'i	C _c H _c	As leg(m²)	Ni (cycle ³)	B(n)P agén
07-08-2013	34.8	92.3	10.9	24.2	0.55	34.5	30,5	CN	1.12	ND	ND	SD
10-08-2023	36,5	82.4	10.3	23.8	L03	32.1	24.1	ND	1.08	No	ND	60
24-03-2023	48.3	90.1	2,4	29.5	0.95	30.4	29.8	ND	3.76	ND	02	ND
17-08-2075	57,5	98.5	13.6	32.5	1.02	26.7	35.5	ND	1.05	ND.	ND	ND
21-58 2025	54.3	86.7	Ha	29.7	0.5%	31.4	28.5	ND	1.08	Nii	ND	MS
24 08-123	45.8	80.5	10.2	21.9	1.05	28,4	27.5	ND	1.05	ND.	ND	ND
28-08-2023	42.3	78.4	9.5	27.8	0.90	32.4	38.9	No	1.45	ND	ND	NLI
31-68-2023	35.8	79.J	12.8	26.9	1 12	30.9	40.5	ND	1,15	ND	ND	NI
Maximpo	57.9	98.5	13.6	32.5	1.12	34.5	40.5		1.25		-	
Minimum .	34.9	76.3	9,4	23.8	0.65	26.3	24.1		1.05			
Average	45.0	85.7	11.1	27.4	0.96	30.8	31.9		1.12			-
NA Q standard	<0°	100	86	80"	2'	160"	400	ı.	5***	6	20"	150

Remarks: - (*) 24 Hour Average (**) 8 Hours Average (***) Annual Average NO-1514 Detected, Due Describer Limit,

Particular, Matter, PM 2. 15-5182(F-24)-2019, Particulate Matter, PM 3. 15-5187(F-23)-2005, Sulphor Dioxide (as 50.5)-15-3142 (F-2)-2005, Sittogen Diac de (as NO₂) - IS-5182(P-6)-2006, Carbon Monexide (as CO) - IS-5182(P-10)-1999, Ozone (as O₁) - IS-5182(P-9)-1974. Ammonia (as NH.) - 15-5732(P-25)-2018, Lend (as Po) - 15-5182(P-22)-7884, Nickel (as Ni) - AAL/50P/003, Arsenia (as As) - 15-5182(P-22)-2004, Benzoac fas Calls) - IS-5182(P+11) 2086, Hanza a-pyrade (BoF) - IS-5182(F-12)-2006

Defreison Limit as Followers

Particular: Matter, PM 2x- 5 µg/m², Perticulate Matter, PM 1x-10 µg/m², Sulpiner Diaxide (as 50))- 5 µg/m², Nerrogen Diaxide (as MG2) - 6 µg/m², Carbon Monocide as CO; 0.5 mg/m², Ozone (as O.) - 20 pg/m², Ammunia (as NIS) - 20 pg/m², Leed (as Pb) - 0.1 pg/m², Nickei (as Ni) - 1.0 ng/m². Arsonic (as As) - 1.0 rg/m², Benzera (as C, ris) - 1.0 rg/m². Bruzzo as ryrene (BaP) - 0.5 ng/m².

Authorised Signatory

Note: 1. The result indicated above rate: to the terted sample and lists... test parameters only engines ment of products is nutber inferred not implied. Resal Bability of our sollorator; is smile to the invoice amount.

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

Website: www.aalkundli.com

TEST CERTIFICATE

Page 1 of 1

Issued Tax

Mis Indian Oil Corporation Limited

(Reflactics Division)

Panipat Naphtim Cracker,

Paniest (Hurvana)

Sample Descriptions

Ambient Air Quanty Monitoring

Sampling Method:

18.5182 (the >14) -2000

Work under item:

Faniphi Naphik., Cracket (Table-V)

Sampling Location:

Roof of Quality Control Lab

Report No. AAL ENV-20230802003

Date of Revelving:

02/08/2003

Onte of Starting:

02/08/2023

Date of Completion:

07/48/2013

Date of Reporting.

07/98/20/3

Sampling Duration:

34:00 tirs

Sampling Done By:

Africa

TEST RESULT

Fest Parameters + Date of Sampling&	PAG _{2,5} (agent)	25M ₂₈ (00.00)	80) fram't	NO ₃	(npin')	O3 (#8'9')	NIf (Pb (spm²)	Calle	As formal	Ni (agan ¹)	Braji (upto)
03-07-2013	47,3	83.1	11.6	29.5	7.05	27.8	12,3	ND	1 15	ND	ND	NE
05-67-2623	41.4	7-1-1	1.0	27.1	12.85	27.2	50,4	ND	1.00	ND	ND.	ND
10-17-2023	57.2	97.6	11.5	30.2	1.00	28.6	43.9	ā2	1.25	N.)	NE	SD
13-07-2023	53,2	95.3	11.3	79.1	1.15	28.5	42.1	SD	1.10	Nº5	ND	ND
17-07 3023	39.6	74.3	10,6	25.4	0.90	27.6	40.8	ND	1,20	ND	ND	NI:
20-07-2023	40.1	75,6	10.2	26.,i	0.90	27.,1	41.3	ND	7.15	ND -	74D	NL
24-07-2023	16.7	70.8	10.3	24.8	0.80	26,8	40.7	ÑD.	1.20	ND	ND	NI.
27-07-2023	37.3	71.4	10.5	25.5	0.80	27.9	41.6	ND	1.00	ND	ND	NI
31/07-2023	31.9	68.3	10.2	24.6	0,80	27.3	11.8	ND	1 15	ND	ND	NT.
Maximum	57.2	97.6	11.5	30.2	Lis	28.6	43.9		1.25		-	
Alfol (unt	31,9	68.3	10.7	34.6	0.50	26.8	46,4	-	1.00	-		
Average	62.0	79.5	10.8	27.0	0.92	27.7	41.7		1.13			
V VAC Standard	68	100	89"	80'	2"	100**	400	1'	5""	C***	20***	1

es End of Reports

Rentario: - (*) 24 Four Average (**) 8 Hems Average (***) Annual Average ND Not Develor DL=1Meason Line.

Lest Michael as Poliones;

Part culter Matter, PM st. 83 (P. 11)-2015. Particulate Matter, PM st. 18-5 (82(P-23)-2000, Subpour Dioxide (us SO₂)-19-5182 (P-2)-2001, Mininger Dioxide (us ND) - 18-5182 (P-6)-2006, Corbon Monoxide (us CO) - 18-5 (2(P-2)-2004, Nickel (us Ni) - AAL/3 (P/02)-18-5182 (P-23)-2014, America (us As) - 18-5182 (P-23)-2014, Bename (us CAs) - 18-5182 (P-23)-2014, Bename (us CAs) - 18-5182 (P-12)-2004.

Detection Limit as Follows:

Austiculus Mater, PM ss - 5 agéta , Particulate Mater, PM ₁₀-10 μg/m², Sulphur Dicycle (as SO₂) - 5 μg/m², Nafregen Dicycle (as NO₂) - 4 μg/m², Corber Menexide (as CO) - 3.5 me/m², Ozene (as O.) - 20 μg/m², Ammonia (as NH₂) - 20 μg/m², Lead (as Ph) - 0.1 μg/m², Nickej (με NO₂) - 4 μg/m², Ammonia (as NH₂) - 2.5 μg/m², Lead (as Ph) - 0.1 μg/m², Nickej (με NO₂) - 4 μg/m², ASPHOTOSH SRIVASTAVA.

Deputy Technical Manager

Authorise Signatory

Note: 1. The Result indicated above roter to the least of sample and listed lest parameters only, endorselvent of york a neither morror and implied. To it liability or our biboratory is limited to the involve amount.

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Issued To:

M/s Indian Oil Corporation Limited

(Refineries Division)

Panipat Naphtha Crocker.

Paniput (Horyena)

Sample Description:

Ambient Air Quality Monitoring

Sampling Method:

IS:5182 (Part-14)-2000

Work order Item:

Paniput Naplatia Cracker (Table-V)

Sampling Locations

Roof of Quality Control Lab

Report No. AAL ENV-20230610005

Date of Receivings

30/06/2023

Date of Starting:

30/06/2023

Date of Completions

04/07/2023

Date of Reporting: Sampling Duration: 04/07/2023

Sampling Done By:

24:00 Hrs AAU

TEST RESULT

Test Parameters > Date of Sampling	PM _{2,5} (pp.m.)	PM _{1,0} (a.g/m ²)	SO2	NO ₂ (µg/c:)	(rg/m²).	O ₃	NH ₃	1°5 (pg/m²)	C.H. (12/m²)	As (egini)	Ni (nghr')	B(n)? (n, 12)
01/06/2 02 3	41.5	94.8	13.2	30.0	1.15	28.8	43.5	ND.	1.40	NO	ND	ND
05/06/2023	413	96.7	13.5	28.8	1.10	29.6	44.6	ND	1.50	NO	ND	No
EA/06/2023	41.6	95.0	13.1	31.2	1.00	29.8	42.8	ND	1.30	ND	ND	NO
12/06/2023	40.8	94.1	12.5	32.4	1.00	30.4	45.9	NU	1.10	ND	ND T	ND
15/98/2023	45.0	107.3	15.8	31.9	1,35	30.6	46.3	No 1	-10	ND	ND T	ND
14/06/2023	42.7	99.1	12.7	32.9	1.05	29.8	47.8	ND (1.20	ND	NJ T	ND
2.2/06/1023	47.1	113.2	14.2	33. T	1:20	30.8	45.5	ND	1.40	ND	ND.	ND
25/06/2023	48.2	115.4	14.5	13.4	1,25	31.5	46.8	ND	1.50	-ND	ND	ND
29/06/2023	49.5	118.6	14.8	33.7	1.25	32.4	47.5	ND	1.50	ND	ND	ÑD
Mastagui	10.5	£18.6	14.5	33.7	1.25	32.4	47.8	-	1.50			-
Affin mun	10.8	94.1	12.6	28.8	1.00	28.6	42.8		1.10	- 1	-,	-
Awage	44.7	103.9	13.6	32.0	1.13	30.4	45.6		1,37	-	-	
NAAO Standard	60"	100	80'	80'	Z'*	100"	400*		Sea-	6	20"**	

End of Report

Remarks: - (*) 14 Hour Average (***) 8 Hours Average (****) Annual Average Hft-Not Obserted, UL= Differed and high

Test Method as Fullower-

Protecteds Matter, PM 15, 18-5182(P-2.)-2089. Particulate Matter, FM 16, 18-5182(J-23)-2006, Sulphur Diaxide (as SO₁)-18-5182(P-2)-2007, Nitr pan Diaxide (as NO₂)-18-5182(P-6)-2008, Carbon Matterwale (as CO)-18-5182(P-10)-1899, Ozone (as O₂)-18-5182(P-0)-19-7 control is (as NH₂)-18-5182(P-2)-2004, Nickel fas Nit) - AAL/SO 2008, Associa (as As) - N-5182(P-22)-2004, Barbone (as CdU)-18-5182(P-11)-2006, Barbone (as CdU)-18-5182(P-11)-2006

Detection Limit as Follows:-

Perticulate Matter, PM 15 - 5 pg/m², Perticulate Matter, PM 26-10 pg/m², Sulphur Doxide (as SO1)- 5 pg/m², Nitrogen Directe (as NO2) - 1 pg/m², Carbon Monoxide (as CO)- 0.5 ng/m², Ozone (as O3)- 20 pg/m², Amononia (as N1)₂ - 20 pg/m², Lead (as CO)- 0.1 pg/m², Nitrogen (as N1)- 1.0 ng/m², Natasec (as CgH₆) - 1.0 ng/m², Matter (as As)- 1.0 ng/m², Natasec (as CgH₆) - 1.0 ng/m², Matter (Bal²)- 0.5 ng/m²

Gen. Managel/(CST)

Authorised Signatory

Note: 1. The Result initiated above reservinities entire sample and itsied test peremeters only, and resembnt or products to neither inferrest not simpled.

Total facility of purise contact is finited to the invoice agreent.

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Page 1 of L

Issued To

M/s Indian Oil Corporation Limited

(Refineries Disching)

Fredpat Naphtha Crusker
Petripat (Theyann)

Sample Description:

Starii Emission

Sampling Method: Work order Item: 15:11255

Panipas Nicolifia Cracker (Table-W)

Report No. AAJ ENV-20231020002

Date of Receiving:

2010/2071

thate of Starting:

20/10/2023

Date of Completion:

25/16/2023

Date of Reporting:

25/10/2023

Sam ding Done By:

AAL

STACK DETAILS

3/N	Date of Sampling	Detail of Stack	Ambien Temp.	Stack Temps ("C)	Smek Dis. (m)	Steck (leight (m)	Flue Gas Velocity (m/sec)
	147/0/2023	Ne d 11200	31	35	3.1	580	10.5%
	11/10/2023	NCB H366	1 91	146	3.1	58.9	19 40
3	11/10/20129	NCD LIANG	31	146	3.1	38.0	10.19
4	12/1W2023	NCUE/S00	32	153	31	58.0	16.34
5	12/17/2023	NCU HESE	11	21	3.L +	58.0	111.86
6	12/10//923	NCU10700	31	140	3.1	38.1	1932
7	12/10/2025	New MCU HITE	27	- 120	3.1	58.0	10.5
8	1.6 (0/2025	CPPHRSGI	30	136	3.3	70.0	10.44

TEST RESULT

SIN	Sampling	Detail of Stacks	Midte	culate n(PA1)		ur Dios (SO ₂)	cide	Oxid	(NOx)			on Misso (68 CO)	with:		& Vans	
		United	ma/Sm*	agele	0.00	(cm	tyle	ngibin'	Dec	aghe	mg/Ste ²	ppm	kafe	mg/Sm2		light
1	11/10.2023	NC 0/4200	К1	1.66	63-	2.90	.70	90.5	44.05	18 40	75	4.08	155	15	-	
2	(1/10/2007)	NCT/H3ch	68	137	19	2.41	(Jan	90,5	47.82	19.05	6,9	5.52	1.56	ND.	-	-
1	11/19/2029	SC011:05	7.3	1.42	7.9	2.50	1.34	193.5	£7:08	19.15	0.4	5.13	1,24	NU	-	-
1	2/10/2/23	NCC H500	3.4	T.6	¥.9	311	1.70	Tag 4	64.63	19.60	86	6.18	1.55	Nr		-
5	12/16/2025	8. 0 1150 -	9.4	1.00	9.2	3.22	186	783	51.18	9.65	8.2	5,56	1.65	ND		
6	12/10/2023	200 11702	8.5	.73	7,9	2,70	1,55	101,3	40.34	20.42	9,3	8,54	417	ND	-	-
7	12/10/2013	New NCII	78	1.59	7.2	2.51	1.46	37.6	30 23	16,80	6.9	3.52	1.40	ND		77.
× ·	13/10/2003	ERSC:	7.1	1.62	8.4	2,01	6.92	1156	20.75	21.00	7.8	11.12	1.50	ND		
	miss?ble limits	Gas	2		14-	50	-	-	550	-		150	-			-
	(mg/Nm³)	lieni d	16	0		1700	- 10	-	450	- 1		200	-		5	
		FCCU				1		0.74	***		THE STATE OF	400	-	-	-	-

6 - 00.00.

Test Met 1. 1: Per out a Materian BM, PS 11250/11-1945, Subhar Distribute 80,045 11250/2-23-1955, Oxide of Nitropes for NCs, 18 4125 (1-7)-2015, Oxide Missocide (no City IS 13276-1395, Backel & Venetium DE PA Method 29 Jr., AAS

Or. D. H. SHARKIA Gen. Makager(OnT) Authorised Signatory

Note: 1. The Result indicated above refer to the tested semple and last dersonalers only inducers on a foregoth is neither inforced not implied, is Total despite of our laboratory is united to the invoice amount.



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Website: www.aalkundii.com

TEST CERTIFICATE

Page 2 of 7

Issued To:

M/s Indian Oil Corporation Limited

(Refineries Dis sion) Panipal Maphiby Cracker,

Panipus (Horsunn)

Sumple Description:

Sampling Methods

IS:11255

Work order free:

Smek Emission

Funiper Naphilia Carrier (Table-W)

AAL F-/V-2-031030002 Report No.

Date of Receiving.

20/10/2023

Date of Starting:

20/10/2022

Date of Completion: Date at Reporting:

25/10/2003 25/10/2007

Sampling Done By:

ANL

STACK DETAILS

N.	Date of Sempling	Petail of Stack	Ambient Temp.	Stack Temp. (°C)	Stuck Dia.	Stack Height (m)	Fluc Gas Velocity (m/sec)
9	13/10/2023	COP HISSO2).	43	3.3	79.0	10.68
0	13/10/2023	CPL JRSG-	3.	150	3,3	70.0	16.85
1	1 910-7023	CNLLIKZOL	31	145	33	5.0	10.52
12	1-010/2023	BB Boday	10	175	33	79/0	10.55
ĺ3	14/10/2023	7/13 Bio/Lin 2	30	178	3.3	1006	10,83
14	18/F/v2023	SWING VAP CHOIG	31	181	1.8	60.0	19.76
13	18/10/2027	SW.1-G VA.1 02/DTA	.11	176	- 3	60.0	10.82
16	10/10/20/3	MEG WHB	,d	123	0.85	33.0	0.7%

TEST ARSLAT

5/8	Date of Sampling	Ditall of Starter	Matte	rature r (PM)		SO:			(NOx)	gra	Curb	na Mono (14 CO)		Nieko (a)	& Vana Ni & V	
	44 10	₹ nH+->	m) in	t tohr	mg/Km)	Str.	/ phr	mp/h/	30.3	1,211	n Sin's	thu	tyle	Tes Nes'	Pan	k.Vie
11	13/10/2003	GPP106500	*1	10	47	3.04	1.00	107.2	52.72	27.39	- 5	133	10	No.	100	
15	17/10/2013	OPHEAR	7.5	1.72	2.1	3,13	2,5%	1.3,8	35.49	15.70	43	2,78	0.93	NS.		
1	14/16/103	CPF-HR503	8.5	1.92	8.9	2.1	2.51	113.6	36.28	25 13	4.5	3,64	1.16	ID.		1
12	14/10/2023	Tit). Doller-I	8.5	139	2.7	132	13	129,4	63.03	25.13	- 2.1	3,24	.55	NG -		
17	4/10/2023	1/3 Builer 2	8.	1.58	9.6	1.76	2.01	122,6	59,72	25.41	2.4	352	1.50	100	-	-
14	N/He2703	SWESS VAP	P	0.20	16.6	371	0.47	131,6	59.23	7.05	1304	13.72	0.44	NU	T	-12
13	910 -23	SWING VAF 1940EA		0.00	11.7	47.7	0.72	127/4	62.:0	\$.0 a	21.9	V 52	0.75	700	7	
to	9/16/1923	MD: -VHD	7.2	0. #	22.1	1.23	0.35	1359	69.	7.9.	L.s	La	0.17	ND	+	-
	alssible limits	Gas	- 2	6		56			350			150				-
-	mg `m')	liquid	30	9		1700			450			200	-		3	_
		FCCU				*		-	-	- April 1	-	400	-	***	-	-

*End of Report **

Fed Methods Parceular Masser in PM, IS 1125501-1)-1985, Sulptur Dioxidates SQQ 3, 1125511-2)-1985, Quick of Nitropes (as No.) IS 317-198-7, 2015, Telepot Method 27 by AAS.

Authorised Signatory

Note: 1. The Result Indicated above rate to the casted sample and listed test parameters only, endocarment of products is wellthe, inforced nat implied Intel liability of our sabouatory is limited to the invoice amount

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Website: www.aaikundli.com

TEST CERTIFICATE

Page 2 of 2

Issued To:

MZs indian Oil Corporation Unified

(Refunctes Division) Prodper Naphilia Crocker,

Paripat (Laryana)

Sample Description:

Stach Emissien

Sampling Method

18:11253

Work urder tiem:

Panipor Naphris Cracker (Table-W)

Report No. AAL ENV-20219825002

Date of Receivings

25/08/2023

Date in Strelling:

25/08/20/3

Date of Completion:

Date of Reperrings

30/05/2023 30/08/2/03

Sampling Done Ber

AAL

STACK DETAILS

SIN	Date of Sampling	Britishof Stuck	Ambient Temp. (*C)	Stack Temp.	Stack Dia.	Stack Height	Flux Gas Velocity (m/sec)
9	19/08/2023	CPI 1R8G2	3-1	145	3.3	70.0	10.43
10	19/08/2023	CPF (IRSG)	34	163	1.3	70,0	10,22
11	19/08/2023	CF2 F/RSG4	- 33	143	j.3	70,0	10.04
İż	71/08/2023	Uti sailer-2	- 80	185	3.3	100.0	10.74
13	224.4/2023	SWING VAL 01/DTB	и, -	100	1.8	63.0	32.45
4	22/08/2021	SWING VAP 62/DTA	35	181	1,8	€0.0	0.35
3	2/1/08/2023	MEG-WHD	31	189	0.85	35.0	16.69
1e	31/08/2023	His Boiler-i	53	1:8	3.3	160.0	10.73

LEST DESULT

5.\	Sampling	Detail of Smek!	Marie	culate r (PM)		(SO ₂)	xide	Oxide	(NDs)	ogen	Carte	in Moar (as CO)		Nickel (a:	& Vana	
775-0		United	HQ7st	+ kp:	aby: u	1001	logitim	mgNie?	Hen	light	19/807	lim	kg/u	mg/Sur	pper	1 kph
q	19/08/2023	CV2 HRS03	7.5	1.59	9.1	2.67	2.01	113.3	65.19	272	2.9	112	0.67	ND		-
10	T9/05/2021	THE HEREGS	8.2	1.21	9.8	3,43	2.55	110.7	53.92	23.17	4.5	3.62	0.56	ND	-	=
4	19/04/2023	CPP HESG4	1.9	1.65	6.3	291	1.77	\$21.5	24,23	20.91	5.7	4,37	1.2)	hū	*:	+
2	21/08/2025	US Bosier-2	7.3	1.57	10.2	3.57	211	118.7	57,52	24,50	5,1	4.8	1.25	ND	+	-
13	22/04/2023	SWING VAP CLOTB	0	0.00	129	45.	2,77	126.1	8143	7,56	11,8	11.84	288	MD	-	
1	22/08/2023	SWING WAT 02/DTA	P	6.50	TLI.	3,10	0.87	(37 £	64.48	8.01	18.4	8.35	0.60	Nn -	-	-
5	24/03/2021	MEG - WHB	9.8	0.09	23.8	8.75	C :1	.41.6	61 01	190	15.9	12.73	132	NC	-	-
16	21/11/2021	ÇiB Bodgr-J	7.6	1.54	7.9	2,57	L/9:	36,3	66,73	27.00	5.3	461 [~]	1.17	NO	-	- 2
	asible limits	Gus	1	1		50	7		350		-	150	-	-		-
	(mr/Nm²)	Elqu id	10	0		1700			450			200	**		-	
D-9e		PCCU		- 444	-	-	1	-	-	-		400	-	-	-	1111

** Find of Report**

Rem be Lie Medical - Fadicagle Mater for Path IS 1(2):5/P-1) (1985, Sulpius Discale (on SO₂) IS 1(255)P-2) (1983, Oxida of Nissagen (os 160, 178 1) (255)P-7) (2005) [4]. D. F. Control Menuside to CC) is 13176-1952, Nickel & Varietium USEPA Method 29 by AAS

Authorised Shinal bry

The Result toucefed above refer to the tooled sample and listed test personelars only, undercoronal or products is neither infringe not implied. late rability of our laboratory is timbed to the involve amount.

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Website: www.aalkundii.com

TEST CERTIFICATE

Page 1 of 2

Issued To:

Mis Indian Oil Corporation Limited

(Refinence Dovision)

Pampat Naphtha Chicker,

Passipat (Claryman)

Sample Description:

Strick Engission

Sampling Methods

18:11255

Work order Hem:

Panipat Shylidha Crooker (Table-W)

Report No. AAL ENV 00230:25001

Date of Receiving:

25/03/2023

Date of Storting:

25/08/2023

Daile of Completion:

30/08/2023

Date of Reporting:

30/05/2023

Sampling Done By:

AAL

STACK DETAILS

ain.	Out: of Sompling	Drint of Stark	Amplent Temp. (°C)	Stack Temp.	Stack Dia.	Stack (feigh: (m)	Flue (Fas Velocity (in/sec)
1	in-08/2023	NCU HOSO	34	137	3.1	(80	10.02
1	16/05/2023	NCU 11260	3-1	4J2	3.1	580	901
3	16/08/2023	M:: II H300	35	142	3.1	50.0	10.2
4	17/08/2023	NCU . 1400	34	143	71	58.6	16.50
5	17/05/2023	NCU Rsim	55	157	3.1	98.0	(0.15
6	17/96/2023	NCU H500	35	155	31	58.11	1::15
7	18/08/2003	NCUMV99	34	149	3.1	50.0	10.53
8	[8/36/202])	CPP (FRSG)	34	135	3.3	70.0	1026

TEST RESULT

ST	Date of Sampang	iletail of Sinck&	Partis Morter	(PM)	L	(SO ₂)	ricie	Oxid	e of Nitr	ngen		on Mnos (88 < 0)	vide		- Vand	
		timir-s	. repline	Laffin	mg/Nut	Hee	-ghr	mg/Nas'	Rin	15/11	ug'Nec'	Dinni	kph.	nakin.	2211	No.
1	10/08/2023	NCC ILIGO	1.2	La	7,4	2.59	1.61	52.3	44.56	17.68	2.0	4.49	.00	NO.	1	-
3	15/08: 30%	NC 11200	8.5	1.39	36	3.01	161	11.5	46.05	1R 25	7.1	3.50	3.57	NE		-
1	6/08/2/23	Моннос	7.4	7.35	7.5	2.63	Lix	10.8	50.54	20.17	9.4	512	1,34	ND	1	-
4	17/08/2013	3CD 30	5.8	131	7.2	2,53	1.19	96.4	45.96	18,73	62	19:	1.25	ЯĎ	-	-
5	17/08/2021	No. J. HSCo	1,6	137	9,1	284	1.51	58.3	47.90	:8,29	7.3	5.85		ND .		-
37	17/05/2023	NOT HEGO	8.1	155	8.9	3.14	1.65	153	47.13	18 05	- 2k	0.24	1.45	No.	+	12.5
2	Novam.	MCD H20.	31	11	32	3,87	3.61	105.2	51.25	20,69	0.1	5.1.2	1.26	ND		10.5
3	8/05/2023	CPP HBSO	6.3	1.47	7,6	2,67	1.72	917	45.70	21,26	7.2	\$.75	173	ND	- 11	
	alssiide limits	Grs	17			50	11111	-	35C			150			-	
- 1	mg/Nm²)	liquid	10	0	-	1200	-		430	-		260		-	5	
	00000000000000000000000000000000000000	FCCU			77			i in the	-	+		400	-	-	-	-

Esnad.

Less Medical - Particulate Matter (i.e. PM) 15-11.255(P-1)-1985, Sulphur Discide (as SO₂) 15-11255(P-2)-1985, Civide of Microgen (i.e. NO₂) 15-11.255(P-1)-2001. Cortro Materials on Corts 11/29/49/2, Kindel & Vertalian USEPA Method 29 by AAS

Authorised Signs ary

The Result Indicated above rate, for the leated comple and its edites, parameters only, each some it of products is neither inferred not implied. Table sability of our incored by is limited to the involve around.

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272, Phase-IV. Sec-57, HSI/OC, Kuncii, Sonepat-131028 (Haryana) Ph.: 7982391442, 9250014551 Email: aalkundl@gmail.com

Website: www.aalkundli.com

TEST CERTIFICATE

Page 1 of 2

Issued To:

M/s Indian Oil Corporation Limited

(Refineries Division)

Panipat Naphtha Cracker,

Panipor (Harysha)

Sample Description:

Stack Emission

Sampling Methoda

Work order Hem:

15:11255

Paripat Naphtha Crocker (Table-W)

Report No. AAL ENV-2023:627005

Dute of Receiving:

12/08/2023

Date of Starting:

27/06/2023

Date of Completion:

04/07/2023

Date of Reporting:

04/07/2023

Sampling Done By:

SAL

STACK DETAILS

N.N	Date of Sacopling	Detail of Stack	Ambient Temp. (*C)	Stuck Temp.	Stack Dis.	Sinck Height (m)	Fine Cas. Velocity (m/sec)
	23/06/2023	MCCTHina	41	145	3.1	58.3	9.58
2	24/06/2023	NOU HOND	42	148	3.1	380	9.62
3	24/06/2023	NCU H300	40	132	3.1	580	10.25
4	24/06/2023	NGU Haton	41	16:	3.1	18.0	9.80
5	26/86/2023	Netf H500	42	148	7.1	58.0	10.05
f)	26/05/2023	NCU Pieco	40	165	3.1	58.0	6.62
7	26/95/2023	NCU H200	46	147	3.1	58.0	9.61
*	21/06/2023	CPP HRStal	41	155	3.3	70.0	- ×.27

TEST RESULT

SA	Sampling	Detail of Stack4	The second second	outrie r (PAF)	Suip	(SO _z)	0.27	Oxid	(NOx)			m Mano (as CO)	45.6	Nickel -	& Vana s Ni & 1	
1		Unit-+	markin.	kg/hr	rep/Nm²	Ppm	1gftr	mg/No.	aber	kg/hr	abyu.	ppen	lpt:	0.07(0)	3pr	- Kasta
1	23/06/2623	NCU 11.00	7.5	1.38	6.2	2.7	1.12	93,3	47,82	15.74	32.5	# 36	1.12	ND	-	-
2	24/66/2023	NCU : 200	.7.8	1.60	7,5	277	1.42	100.4	45,89	(8/9)	6.2.	536	1.21	NO	-	-
1	24/05/2023	NCI/ (350	6.7	1,27	6.8	7.38	3.30	10.5	48.99	20008	<.0	1,71	1.15	מא	-	
1	24/96/2003	NCOH:	76	134	8,2	3,87	1.45	101.8	49.57	17.9%	5.12	4,16	1.01	NiS	-	-
7	2/106/0623	NCU H500	7.1	1.34	4.7	3.05	184	104.2	\$0.75	15.57	0.5	5.44	1.8	ND	-	
4	26/06/2023	NOU HERO	7.5	1.32	9.5	331	1 65	100.7	46,32	12.74	6-3	5.12	113	NO	-	-
	20/06/2023	NCU Pric	8.7	1.48	9.1	3.19	1,64	10 1.9	49.62	18 37	72	1.76	135	NO.		
1	21/05/2023	CPP VRSG1	9.3	1.34	8.8	1 100	¥21	106.3	48.94	16.39	4.0	1,28	.34	- NO		
Pe	etlanit sidieei on	Gas	10	,		50		-	350	-		150		-	-	
	(mg/Nm ²)	tiquid	10	(1700	164		450	75	COP DE LO	200	****	4	3	-
H.		recu		-			-	-	- 00000			400		-	4	

or Medorit - Particulate Matter our PM) IS 11255(P-1)-1985, Sulphur Dabride (as SO₂) IS 11255(P-2)-1987, Oxide of Nitrager (as NO₂) IS 11255(P-7)-2005, Carlotte Montaide (c. CO) 15 13230-1992, Nickel & Variation Carlot A Sociated 29 to AAS

Authorized Cignatory

Motes 1. The Result Indicator above reser to the tested someto and listed test parameters only, and memoran of products is onliner interest not implied Total febility of currence story is finited to the jayons amount.



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Website: www.aalk..ndli.com

TEST CERTIFICATE

Proje 2 of 2

Issued To:

M/s Indian Oil Corporation Limited

(Redinate Division) Panipa Naphtha Cauler,

Pampat (Hinryann)

Sample Description: Stack Emission

Sampling Me hod:

15.11355

Wark order from:

IS:11255

Principal Norththa Cracker (Table-W)

Report No. AAL-ENV-20210627938

Date of Receiving:

37/8/(2021)

Date of Starting:

27/06/2023

Date of Completion:

04/07/2022

Date of Reportings

04/07/2023

Sampling Done By:

AAL

STACK DETAILS

5/N	Date of Sampling	Detnit of Stack	Ambient Temp. (°C)	Stack Temp. (*C)	Stack Dia. (m)	Stack Height (m)	Fine Gus Velocity (m/sec)
9	21/06/2023	CPF HRSO2	41	165	3.3	70.0	9.35
īn:	21/06/2023	CPP HRSQ!	0	159	23	20.0	9.1%
11	2 (/06/7023	CPP Filo304 +	40	156	33	70.0	926
12	22/06/2025	CPP ERSOS	- AI	169	3.3	20.0	9.91
13	2010/2001	SWING VAP	42	IB4	Tis.	60.0	10.02
.4	20/06/2023	SWING VALUE 02/DTA	42 %	192	1,9	60.0	10.11
5	20/06/2023	MEG-WHO	40	135	0.85	35.0	10.36
16	22/06/2023	UB Boiler-I	41	193	3.3	100.0	9,07

TEST RESULT

Date of Sampling	Detail of Stacks			Sulp	(SO _i)	ide	Oxid	(NOx)	egen	Care					
	t nit->	myllar	light	mg/Naci	Nau	ight	ngNn'	gan	kg/la	mg/tin/	pan	kg/m	-0.5Mm	Lien	14890
23/86/2003	CPPHICSCO	7,4	11	15.9	3.82	2.08	105.2	51.21	20 de	12	1.71	7.65	713		*
23/95/2023	CIP HRSC	12	116	8.2	2,87	1.59	123 5	6014	24.90	52	4.16	10	NU	-	1
205/2023	CAP HRSGA	7.2	1.00	6	2.50	1/16	128.6	.62(5)	21.75	4,6	1.02	94	NI)		U
22/05/2023	сичикы з	8.1	1.46	5.1	2.84	136	112.5	34.59	20.27	6.5	5.14	77.22	No	-	
20/08/2020	SWING VAP 00-DTB	5	0.30	11.4	3.99	0.05	1,4.5	65.54	7.84	311	9.48	1.56	No	-	-
2006/2043	SWING VAP	0	679	12.8	4.48	074	1,27	62,86	138	15/	17.48	0.00	No		7
20/06/2023	2000 ACTOR	17.	0.15	ाव	7.49	0.27	125.9	65.20	1.81	18.1	11.72	0.25	N2		
22/06/2023	UB Boiler	6.9	122	9.5	381	Tos	124.9	60.80	22.10	26	378	0.81	No.		-
dissible limits	Gas	1	0		50			350			136	Company of		1.7	-
mg/Nxa')	liquid	10	0		1700			450			300			5	1.4
war and the	FCCU					333		-			460				- 19
	Sampling 21/08/2003 21/08/2003 22/08/2003 22/08/2003 20/08/2003 20/08/2003 20/08/2003	Sampling Stacket	Sampling Stagled Mixter	Sampling Stack4 Matter (PM)	Sampling Stacks Mixter (PM) Cold Cold Cold Cold Cold	Sampling Stagle Matter (PM) (SO _d) Cold-5 mg/Sut light mg/Sut jgm 21/08/2023 CPF HRSC 7.2 1.16 8.2 2.87 22/08/2023 CPF HRSC 7.2 1.16 5.1 2.82 22/08/2023 CPF HRSC 8.1 1.16 5.1 2.82 20/08/2023 CPF HRSC 7.2 0.16 1.4 3.99 20/08/2023 CPF HRSC 7.2 1.16 5.1 2.82 20/08/2023 CPF HRSC 7.2 1	Sampling Stacks Matter (PM) (SO ₂)	Sampling Stacks Matter (PM) (SO ₂)	Sampling Starled Matter (PM) (SO ₂) (NO ₃) (NO ₃)	Sampling Staglet Mixter (PM) (SO ₂) (SO ₂) (SO ₂) 1 nit + mgNat kpte mgNat tpm kgte mgNat ppa kgAa kgAa 21/06/2023 CPP (RSC) 7.2 1.16 8.2 2.82 1.89 123.9 60.14 22.09 22.08/2023 CPP (RSC) 7.2 1.16 8.2 2.82 1.89 123.9 60.14 22.09 22.08/2023 CPP (RSC) 7.2 1.19 1.6 2.86 f.86 1.26 62.89 24.75 22.08/2023 CPP (RSO) 8.1 1.36 8.1 2.84 1.36 1.2.2 34.25 20.27 22.08/2023 CPP (RSO) 8.1 1.36 8.1 2.84 1.36 1.2.2 34.25 20.27 20.08/2023 SMISG VAP 0 0.49 11.4 3.89 0.68 1.34.5 65.54 7.84 20.08/2023 SMISG VAP 0 0.09 12.8 4.48 0.74 1.2.4 69.86 1.36 22.006/2023 SMISG VAP 0 0.09 12.8 4.48 0.74 1.2.4 69.86 1.36 22.006/2023 SMISG VAP 0 0.09 12.5 4.48 0.74 1.2.4 69.86 1.36 22.006/2023 SMISG VAP 0 0.09 12.5 4.48 0.74 1.2.4 69.86 1.36 22.006/2023 SMISG VAP 0 0.09 12.5 4.48 0.74 1.2.4 69.86 1.36 22.006/2023 SMISG VAP 0 0.10 1.44 7.49 0.29 12.5.9 65.20 1.81 22.006/2023 CIB S.9 1.24 9.5 S.81 T.08 12.49 60.82 22.10 22.006/2023 CIB CI	Sampling Stack Matter (PM) (SO ₂) (PC)	Sampling Starket Matter (PM) (SO ₂) (NO ₂) (post Lost Lost	Sampling Stacks Maximum (PM) (SO ₂) (N(1)) (pm) Mg/m Mg	Sampling Starket Manter (PM) (SO ₂) (NCC) (ns CO) (ns CO) (ns CO)	Sampling Stack Matter (PM) (SO) (NOt) (ns (O) (ns (O) (ns (N) & t old - s) (ns (N) & t old - s)

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End of Report

Roughs

Tos ofethod. - Panicalate Matter (as Phot 15 1 1241) 4-13-151, Sulphin Dissolutes SO₂) (S 1125572-2)-1995, Guide of Nitomen (as NO₂ 18 111 159-2)-1995, Carbon Generals (as OO) 15 1 (230-1992, Nicholik Variation 1969A Method (1) by AAS

Get Manager (Q&T) Authorised Signulary

winter 1. The Result in ficate if above rates to the topical sample and integrit is the temperature only, and or symbol of products is neither inferred both laker.

Total liability of our table atomy is limited to the product.



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TEST CERTIFICATE

Page 1 of 1

Issued To:

M/s Indian Oil Corporation Limited

(Keffneries Division). Paninat Naphtha Ciracket. Panipat (Haryana)

Sample Description:

Work order Fem:

Panipar Naphthi: Cracket (Table-Q).

Sample Codection Date: Sample iD:

22/11/2023

Efficient Water Sample

ETP Outlet Water

Report No.

AAL WQT-00231123008

Date of Receiving:

23/11/2023

Date of Starting:

23/1/2013

Date of Commission:

28/11/2023

Date of Reporting:

28 11/2023

Sample Quantity:

2 Libre

Sample Packing Condition:

Plastic Can

Sample Collected By:

AAL

TEST RUSHUT

S. No.	Test parameters	Unit	Results	Permissible Limits (MPAS)	Testing Mednod
		1.0			
1	při Value		7.57	15 - 8.5	(S 3025(P-11)-1983
2	Total Suspended Solids	rig/I	24.0	10 0 M /%	15 30 25 (P- 17)-1931
3	Bioclamical Oxygen Demand 1900 - 2-dgs et 250)	mg/l	17.3	30 Max.	.S 3025(P-14)-1923
4	Chemical Oxygen Demand (COD)	mg/I	82.0	250 Mex.	S 3015(P-18)-2016
5	Cyanide (as CN)	mg/!	Superin	© 2 Max.	3S 3025(P-27)-1986
6	Chroni am (as Cr)	mg/L	NUmas	2.0 Max.	38 3 02 5(P- 5 2)-2003
7	Hexa Coromiana (ns Ca ⁻⁶)	ing/l	Nincolor	G.1 Max.	IN 3025(P-52)-2003
В	Sulphide (as S)	mg/l	ND(a)-10	2 feas.	IS 3025(1529)-1586
3	Physial	mg/l	0.15	5 Max.	IS 1025(P-43) 1992
10	Flooride (as F)	Ngar	1.12	15 Max.	APELA 23rd Ed. 45c0PD

End of Report

ASMUTOSH SRIMASTAVA Deputy Technical Manage-Authorised Signatory

Note: The Repliet in thated above to fer so the tested sample and "sted test parameters only under timem." products is re-later internet not implied 2. Total liability of our laboratory is inside to the law loss around. ne invilide a libum. This record shall not be reproduced to ally only non-without writte

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272, Phase-IV Sec-57, HStiDC, Kundli, Sonepat-131026 (Heryana). Ph.: 7082301442, 9250014551 Email: aalkundli@gmail.com

Website: www.aarkundli.ccm

TEST CERTIFICATE)

Pega Lof I

Issued To:

M/s Indian Oil Corporation Limited

(Refineries Division)

Panipat Naphita Cracker.

Panipat (Haryana)

Sample Description:

Efficent Water Sample

Work order Ifem:

Panipat Mophtha Cracker (Tuble-O)

nample Collection Date:

16/13/2023

Sample 10:

ETP Gotlet Water

Report No. AAI WQT-20231017:39

Date of Receiving:

17/10/2023

Date of Starting:

17/10/2023

Date of Completions

3/10/2023

Date of Reporting:

23/10/2023

Sample Quantity:

2 Litre

Sample Packing Condition:

Plas Ca

Sample Collected By:

AAL

WATER STATE	* ** ****	
111 31	REST	1.1

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Si Nu.	Test parameters	Unit	Results	Permissible Limits punas;	Testing Method
Ť	pt1 Vasue	1.00	7,82	6.5 8.5	15 3025(P-11)-1983
3	Total Sugranded Solids	$-m\varphi \lambda$	20.6	200 May.	°N 3075 (P-17)-1984
5	Sinchemical Oxygen Demand (BO2-3 dasa 22°C)	mgri	15.6	30 Max.	IS 3025(4-44) 1993
4	Chemical Oxygen De nand (COD)	mg/l	87.0	250 Max.	15 3025(P-58)-2066
5	Cyanide (as CN)	ata y fi	NDct-on	3.2 Mex.	IS 3025(P-17)-1986
6	Chromium (es Cr)	ngd	$N\mathbf{D}_{\mathrm{DL-d}_{\mathbf{i}}}$	2.0 Max.	88 3925(P-52)-2007
7	Pasa Chromium (as G^{*a})	mg/l	. NDoues	0.1 Max.	IS 2025(P-52)-2003
8	Sulphice (as S)	tog/l	ND:-00	2 Mex.	IS 3025(P-25)-15 ³ /5
9	Planel	Nger	0.18	5 M. v.	15 3025(P-43)-1902
1.0	Pluvride (18 P)	mg/i	0.93	22 Max.	APITA 20to Ed. (500) to
	SD-SH Expense Control on the state of the st				

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Note: 1. The Result Indicated above reforto the based sengte and listed lest purameters only, endowement of products it negligibles and implies.

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272, Phase-IV, Sec-57, HSHUC, Kundii, Sonepat-131028 (Haryana) Ph.: 7082301442, 9256014551 Email: aalkundli@gmail.com

Website: www.aalkundil.com

TEST CERTIFICATE

Page 1 of 1

issued To:

Ms Indian Oil Corporation Limited

(Refinences Division)

Panipat Napatha Cooker.

Paniper (Haryana)

Sample Description:

Effluent Water Sample

Work order Item:

Panipat Naphtha Cracker (Table-Q)

Sample Callection Bute:

23/09/2023

Sample 10;

RTP Outlet Water

Baport No.

AAL WQT-20230925019

Date of Receiving:

25/09/2023

Dute of Starting:

25/09/2023

Date of Completion:

30/09/2023

Date of Reportings

30/09/2023

hample Quantity:

2 Litre

Sample Packing Condition:

Plastic Can.

Sample Cellected By:

AAL

TEST RESULT

			ALCO ALCO AND ADDRESS OF THE PARTY OF THE PA		
S. No.	Test parameters	Unit	Results	Permissible Limits	Testing Method
				(MINAS)	
1	pfI Va.ue	· Targetti	7. 70	6.5 - 8.5	IS 3025(P-11)-1983
2	Total Suspended Solids	tog/I	18.0	100 Max.	IS 3025 (F-17)-1984
3	Blachenical Oxygen Demarci (300 - 3 days at 25°C)	mg/i	14.5	30 Max.	IS 3025(P-44)-1993
4	Chemical Oxygen Danaard (COD)	mg/l	81.0	250 Max.	IS 3025(P-58)-2006
3	Cytaride (as CN)	mg/l	NDstana	0.2 Max.	IS 3025(P-27)-1935
ä	Chromium (as Cr) .	mg/l	NDoces	2.0 Max.	IS 3035(P-52)-2003
7	Hesa Chromitan (as Cr 5)	t/gru	ND	0.1 Max.	LS 3025(P-52)-2003
380	Sulphide (as 8)	mg/I	NDplay	2 Max.	IS 3025(P-29)-1986
9	Plienal	mg/l	0.15	5 Nige,	(8 3025(P-43)-1992
10	Linoride (as P)	nig/l	0.58	15 Max.	APMA 23rd Ed. 4500FD
	177 «Nat In-seque, the Delga to a Limb				

End of Report

Deputy Technical Manager Authorised Signatory

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

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

Website . www.aalkundli.com

TEST CERTIFICATE

Page I n/ I

Issued Tu:

Mrs Indian Off Corporation Limited

(Refineries Division)

Panipat Naphtita Cracker,

Paurpat (Haryana)

Sample Description:

Entirent Water Sample

Work order Item:

Panipat Naphtim Cracker (Table-Q)

Sample Collection Date:

23/08/2021

Sample 10a

ETP Outlet Water

Report No. AAU WOT-20210823017

Date of Receiving:

23/03/2023

Date of Starting:

23-08/2023

Pate of Completion:

28/08/2023

Date of Reporting:

28/08/2023

Sample Quantity:

2 Line

Sample Packing Condition:

Plastic Can

Sample Collected By:

AAL

TEST RESULT.

S. No.	Test parameters		Unix	Results	Permissible Limita pusasi	Testing Method
1	pli Valur	di.	5.00	7.64	6.5 - 8.5	IS 3025(P-11)-1969
2	Total Suspensed Solids		mg/l	13.0	100 Max.	18 3025 (P+17)-19-14
3	Biochemical Oxygen Demand (BCD+) terrain 27°C		me/I	12.6	30 Max.	15.3035(P-44)-1993
4.	Chamical Oxygen Demand (CCD)		mg/l	73,0	250 Max.	IS (025(2-58)-2006
5	Cyanide (na CN)		mg/f	NDpazon	0.2 Max.	IS 1025(P-27)-1986
63	Chrontium (as Cr)		Ngn:	Nibered	2.0 Max.	IS 3025(P-52)-2003
7	Heick Careacum (as Cr*6)		Ages	NEAppears	0.1 Max.	2S 3025(P-52)-2003
3	Suiphitic (as S)		rag/l	NDanca	2 Max.	IS 2025(P-29)-1986
9	Phenol		mg4	0.12	5 Max.	LS 3025(P-40)-1992
10	Fluoride (as P)		mg/I	0.87	15 Max.	APHA 23rd Fd. 450°FD
	NOT be flowed Distinction Cità					

^{**}End of Report**

OF U. R. SHARWINGET)

Authorised Signato:

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

272, Phase-IV, Sec-57, HSIIDC, Kundli, Spnepat-191028 (Haryans) Ph.: 7082301442, 9250014551 Email: nalkundli@gmail.com

Website: www.salkundli.com

TEST CERTIFICATE

Page 1 :: F1

Issued To:

M/s Indian Oil Corporation Limited

(Ratinenas Division)

Paniput Naphtha Crocker,

Proripat (Florygon)

Sample Discription:

Work order Item:

Panipat Naglaha Chaker (Table-O)

Sample Collection Date:

Sample ID;

26/07/2023

Efficient Water Sample

ETP Out of Water

Report No.

AAL WQT-20230727003

Date of Receiving:

27/07/2023

Date of Starting:

27/17/2023

Date of Completion:

01/08/2023

Date of Reporting:

01/08/2023

Sample Quantity:

2 Latte

Sample Packing Condition:

Plastic Can

Sample Collected By:

AAL.

TEST	RESU	LT

S. No.	Test parameters	Unit	Results	Permissible Limits (MPAS)	Testing Method
1	pH Vnfue	114	7.75	6.5 - 8.5	IS 3025(P-11)-198.
	To all Suspended Solids	Pgm	10.5	160 Max.	15 3025 (P-17)-1984
3	Bineliceniesi Oxygan Demand (1007-3 sysar 27 C)	ing/l	1.5	30 Max.	IS 5025(F-44)-1993
4	Chemical Coygen Domand (COD)	mg/l	64.0	250 Max	IS 3025(# 38)-2006
5	Cyanide (as CN)	മൂളി	NDessee	0.2 Max.	IS 3025(P-27)-1986
6	Chromiam (as Cr)	m_ig	NDssean	2.0 Max.	IS 3025(P-52)-2003
7	Hexa: Carpraluca (as Ca ⁻⁶)	$m_{b'}$ l	ND ₆₀₄₄₈	0.1 Max.	iS 3025(P-52)-2003
1	Sa' shide (as S)	mgf	NDorse	2 Max.	58.3025(P-29)-1984
9	Parnol	mg/I	<0.1	5 Max.	IS 3025(P-41)-1991
10	Fluoride (as F)	mg/l	0.93	15 Max.	APHA 23rd Ed. 4500FD
	MCrole Descript Direction are the all	7116			

"End of Report"

ASHUTOSH SRIVAS TAVA Deputy Technical Manager

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AN ISO 9001:2015, ISO 14901:2004, ISO 45001:2018 CERTIFIED LABORATORY

272 Phase-IV, Sec-57, HSEDC, Kundli, Sonopat-131028 (Haryana) Ph : 7082301442, 9250014551 Email : aalkundli@gmoil.com

Website: www.aalkundli.com

TEST CERTIFICATE

age I of t

Issued To:

M/s Indian Oil Corporation Limited

(Refineries Division)

Panipat Naphtha Cracker,

Punipat (Haryana)

Sample Description:

Effluent Water Sample

Work order from:

Panipat Naphtha Cracker (Table-Q)

Sample Collection Date:

Sample ID:

ETP Outlet Water

This report shall not be altergoniced while or in that will pout wi

15/06/2023

Report No.

AAL WOT-20230/1600:

Date of Receiving:

16/06/2070

Date of Starting:

6/06/1023

Date of Completium:

Date of Reporting-

21/06/2023

21/06/2023

Sample Quantity:

21 re

Sample Packing Condition:

Plastic Can

Sample Collected By:

AAL.

TEST RESULT

S, No.	Test parameters	Unit	Results	Permissible Limits	Festing Method
1	pH Value	-	.8.25	6.5 8.5	IS 3025(P-11)-1983
2	Tutal Suspended Solids	rig/I	12.0	- 100 Max.	TS 3025 (P-17)-1984
3	Biochemical Oxygen Demand (300 - 3 days at 27 c)	mg/l	.13.0	30 Max.	IS 5025(7-44)-1993
- 1	Chemical Oxygen Domand (COD)	mg/l	72.0	250 Mars.	IS 3025(P-58): 2006
5	Cyamile (as CN)	mg/	NDmess	0.2 Max.	18 302 5(P -37)-1985
6	Christian (as Gr)	mg/I	NDacen	2.0 Max.	18 3025(P-52)-2003
7	Hexa Chrombun (as Ci ")	mg/l	NDaccor	0.1 Mnx.	IS 3035(P-53)-2003
8	Sulpaide (as S)	mg/l	NDancaro	2 Max	IS 3025(P-19)-1986
5	Phol	ng/l	D. 10	2 Max.	IS 3025(P-45)-1992
10	Fluoride (as I')	mg/l	1.20	15 Max.	AlfelA 23rd Ea. 4500rD
	O-Key Interlog, Ot - Design to Hands				

"End of Report"

Authorises Signator

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Panipat Refinery and Petrochemical complex

WORK AREA MONITORING FOR SOUND PNC Period/Date-28.12.2023 (Q-3, 2023-24)

		Itoring will be Quarterly Noise results		
S.No.	Location name	Dey time (6.00 a.m. to 10.00 p.m) (Umit 75 dBA)*	Night time (10,00 p.m. to 6,00 a.m (Limit 70 dBA)*	
0.25	PNC locations	James 15 de 1		
1	Near PNC ETP battery limit	67.4	58.7	
2	Near MCR C/A	59	58.3	
3	Technology building	56.2	55.1	
4	Gate no. 1	57.5	57.2	
5	Gate No. 2 (Time office)	55.6	55	
6	At the entry of flyover towards PNC.	61.4	59.3	
7	Near Raw water pend (north west conner).	70.7	G5.9	
R	Boundary wall- alumide yard	59.2	58	
9	Boundary wall DM plant	63.8	62.4	
10	Near ETP C/R	60.7	58.3	
n	MCR	55	52	
12	Near storm water ponds (N-E)	58.6	57.1	
13	Store	54.8	52.3	
14	Admin building	56.4	55	
15	CPP control room	55	. 54.3	
16	Near QC lab	54.3	54.2	
17	Naar Workshop	55.4	55	
18	Near Fire water pump house	53.6	62.8	
19	Quiside NCU Battery limit	70.7	69.9	

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

July 28.12.2023

Ind. Hygienist

UHC Doctor Ingingle

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

SI: No.

3020

	MANIFEST FOR HAZARDOUS AN	D OTHER WASTE
	Sender's name and mailing address including Phone No. and e-mail)	IOCL Panipat Nyptha. Cracker
	Sender's authorisation No.	HWM [PIT 2023 154285
	Manufest Document No.	3020
	ransporter's name and address : including Phone No. and e-mail)	J. V.S Tech
20	Type of vehicle	الكامل (Tanker/Special Vehicle)
4	Transporter's registration No.	
	Mehicle registration No	RJ094B0698
	Facewor's name and mailing Address Facuting Phone No. and e-mail)	Shree Cement, Pali Rajasthan
	Pacewer's authorisation No.	RPCB NWM 2020-21
	Castegary 1.3	Bioremediated Studge
	Total quantity Virg. of Containers	20:02 MT m'orMT
	Physical form	(Solld/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
7	Execute handling instructions and additional	PPE'S
14	Semonr's Certificate Part of the Control of the Co	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.
	DEMIS .	Month Day Year
1	a wiedgment of receipt of Wastes	K. III. Bis.
	() () () () () ()	Company to the control of the contro
1	receipt of hazardous and other wa	
	Signature A	Month Day Year

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

SI. No. 3021

	MANIFEST FOR HAZARDOUS AND	O OTHER WASTE
	Sender's name and mailing address including Phone No. and e-mail)	Tock Panipat Nytha Cracker
	Sender's authorisation No.	HWM/PIT 2013 154285
	Wan fest Document No.	3021
	Tensporter's name and address : including Phone No. and e-mail)	J.V.S Tech
	Tipe of vahicle	(Trock/fanker/Special Vehicle)
	Transporter's registration No.	THE DATE OF
	wenicle registration No.	RJ149N0581
	Faceiver's name and mailing Address Including Phone No. and e-mail)	Shree Coment Pali, Rajasthan
	Fecerer's authorisation No.	RP(B) HWM/2020-21/ CPM/ MWM/59
	Massie description Cartegory 1:3	Bioremidiated Studge
	Time quantity Not of Containers	19 · 36 MT
	Precalition	(Solid/Semi-Solid/Sludge/Oily/Terry/Slurry/Liquid)
	Special randing instructions and additional	PP.E1s
	10 10 1 1 3 1 6 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
		Tonth Day Year
	Two comes are recomment of recommon Wastes	
	Spratu Serran	onth Day Year 2 3
and the	of hazardous and other wa	aste

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SI. No.

100	MANIFEST FOR HAZARDOUS AN	
	Sender's name and mailing address Including Phone No. and e-mail)	Ioch, Panipat Naptha Cracker
	Sender's authorisation No.	HWMPIT/2023/154285
	Wanifest Document No.	3022
	Transporter's name and address : including Phone No. and e-mail)	J.V.S Tech
	Type of vehicle	(Truck/Tanker/Special Volticle)
	Transporter's registration No.	
号级.	renicie registration No.	RJ099B0698
	Receiver's name and mailing Address Including Phone No. and e-mail)	Shree Coment, Pall, Rajasthan
	Receiver's authorisation No	RPCB HWM 2020-21/ CPM/HWM/59
	category 1:3	Bionemediated Shidge
	Tittal quantity No. of Containers	25:30 MT m² or M1
0.4	Prisca firm	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
	Service handling instructions and additional	PPE's
	the post (3/3/2/3 page 1 (3/3/2/3 page	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.
	Manual School Co.)*)	Month Day Year 13 スックス3
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		Month Day Year 9 1 3 2 5 2 3
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Si, No. 3023

(See rule 19 (1)) MANIFEST FOR HAZARDOUS AND OTHER WASTE Sender's name and mailing address Soch, Pariport Naphha Gracker
Hum/pst/2023/154285 Including Phone No. and e-mail) Sender's authorisation No. Manifest Document No. Tensporter's name and address : including Phone No. and e-mail) JVS Tech Tipe of vehicle. (Truck/Tanker/Special Vehicle): associter's registration No. mande registration No. Persever's name and mailing Address Including Phone No. and e-mail) es authorisation No. Maste description votes quantity We of ContainersNos, Diseases from (Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid) mena handling instructions and additional Use prels Mercuria Certificate I hereby declare that the contents of the अभिन भिन्न नामिया 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 Assistant Man 90 H 3 & E) conditions for transport by road according to applicable national government regulations. Month Day Year Expression ent of receipt of Westes Signature Month Day disagon for receipt of hazardous and other waste

Month

Day

Year

Signature

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MANIFEST FOR HAZARDOUS A	ND OTHER WASTE
Sender's name and mailing address Including Phone No. and e-mail)	Each, Panipat Mytha Coacker
Sender's authorisation No.	HWM/PIT/2028/154285
Wanifest Document No.	3024
Transporter's name and address : Including Phone No. and e-mail)	Jus Tech
toe of vehicle:	(Truck/Tanker/Special Vehicle)
arsporter's registration No.	
encle registration No.	R5144N9260
Faceiver's name and mailing Address houding Phone No. and e-mail)	Shree Cement Pali,
∓acever's authorisation No.	RPCB/HWM/2020-21/ CPM/HWM/59
Mante description .	Botene sludge Congunic Residue
Rose tuantity No. of Containers	8 4 MT mor MT
# Proces form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
Special handling instructions and additional information	use PPE's
अजीत रिंह जातीरिया Ajit Singh Jaioriya समयक प्रशंपक (एक एस पर्ग ई.) Assistant Marger (Marg. E) कि रिपाइनमें (जार होती गुरा.)-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. Month Day Year
edgment of receipt of Wastes	03 2023
	Month Day Year
for receipt of hazardous and other w	50 S S S S S S S S S S S S S S S S S S S
Signature	Month Day Year

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

Sender's name and mailing address.	9861 A 4 1 11 11
fincluding Phone No. and e-mail)	20CL, Paniput Naphtha Coacker
Sendar's authorisation No.	HWM/ ALT /2023/154285
Manifest Document No.	3025
Transporter's name and address : Including Phone No. and e-mail)	JVs Tech
Type of vehicle	Truck/Tanker/Special Vehicle)
Tansporter's registration No.	
vehicle registration No.	R509480698
Feceiver's name and mailing Address Including Phone No. and e-mail)	Shree crement Pali,
Faceiver's authorisation No.	RPCB/HWM/2020-21/ CPM/HWM/59
Maste description (\$2000 1.3	Bio- remediated studge
Total quantity No. of Containers	14.9 MT m'or MT
©hesical form	
	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
Strength handling instructions and additional	PPE/S
अजीत सिंह जाती(या Ajit Singh Jalonlya सङ्गयन प्रयोक्त (एक एम एवं ६) Assistant Monage (या 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.
	Month Day Year
e economiedgment of receipt of Wastes	
Signature*	Month Day Year
secon for receipt of hazardous and other w	aste
Signature.	Month Day Year

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

SI. No.

MEANIFEST FOR HAZARDOUS A	
Ender's name and mailing address Including Phone No. and e-mail)	Foch, Panipat Naphtha Coracker
Liender's authorisation No.	Hwm/pit/2023/154285
Remifest Document No. 1409	3026
rersporter's name and address :	JUS TECK .
None of vehicle	(Truck/Tanker/Special Vehicle)
Terscorter's registration No	R5094B0498
ence registration No.	R509 480698
Accesser's name and mailing Address Accesser's name No. and e-mail)	shree lement Pali,
Figure s authorisation No.	Rece/Hwm/2020-21/ CPM/Hwm/59
Category 1.3.	Bio-remediated studge
Tital quently No. of Conteners	15.17 MT m'orMT
	(Solid/Semi-Solld/Sludge/Olly/Tarry/Slurry/Liquid)
down temping instructions and additional	use ppels
स्त्र चालीरिया च Jainriya च प्रस एवं ई.) दक्क (H S & E) पर.)-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.
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MANIFEST FOR HAZARDOUS AN	ID OTHER WASTE
Sender's name and mailing address Including Phone No. and e-mail)	Joch, Panfeat Naptha Cracker
Sender's authorisation No.	HWM/PIT/2023/154285
Wanifest Document No.	2029
Transporter's name and address : including Phone No. and e-mail)	· JUS Tech
Tipe of vehicle :	(Truck/Tanker/Special Vahicle)
Transporter's registration No.	
Menicle registration No.	RJO9 GB 0698 Shree Coment Pali,
Paceiver's name and mailing Address including Phone No. and e-mail)	Raj.
Persever's authorisation No	RPCB/HWM/2020=21/cpm/ HWM /59
(ategory 1.3	BPO-remedited shage
Tittal quantity No. of Containers	14.99 MT morMT
	(Solid/Semi-Solid/Sludge/Olly/Tarry/Slurry/Liquid)
Transport of structions and additional	use ppt's
अक्षा का मानीरिया - Jakariya - च प्रम एव ई.) - (H S.& E) - (H S. & E) - (J S. & E) - (J S. & E) - (J S. & E) - (J 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.
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Table 11 acect of Wastes	.
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MANIFEST FOR HAZARDOUS A	ND OTHER WASTE
Participate and mailing address There No. and e-mail)	Ide, Paniput Napha
America Chorseban Na.	Hwm/PIT/2023/15428
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And the same and address: And the No. and e-mail)	Jus Tech
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have and a registration No.	
A Property of the Party of the	R509480697
Pare to and e-mail)	Shree Cement Pali,
A Riconard authorisation No.	RPCB/Hwm/2020-21/cpm
Category 1.3.	Rio-remediated studge
Carloren Car	16.20 MT m'or MT
	(Solid/Semi-Solid/Sludge/Oily/Terry/Slurry/Uquid)
tension of the structure and additional structure and additional structure.	use PPE/s
ा भीरेबा - १९६ - १९५ (ई.) - १९५ (ई.) - १९५ (ई.) - १९५ (इ.)1321-0	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 propar conditions for transport by road according to applicable national government regulations.
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[See rule 19 (1)]

4302

1	Sender's name and mailing address (including Phone No. and e-mail)	PANIPAT NAPHTHA CRACKER IOCL, BALIATAN, MATLAUDA, PANIPAT, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/15428485
3	Manifest Document No.	4302
4	Transporter's name and address: (including Phone No. and e-mail)	sus Tech
5	Type of vehicle	(Trück/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	R5094B 0698
8	Receiver's name & mailing address (Including Phone No. and e-mail)	- shree cement Pali, Rag
9	Receiver's authorization No.	RPCB/HWM/2020-21/49/HWM/59
10	Waste Description	Bio-morediated studge
11	Total quantity No. of Containers	15.36 MT m³ or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	use ppt/s
14	Sender's Certificateएगीय 'तिह जालीरियां Ajt Singh Johnnya राज्यक अपेटाड (एन एस एन ई.) Ascistant Manager (१०००)	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamps at Rullsery (Stanture)	Month Day Year 2 2 2 3
	Transporter acknowledgement of receipt of Was	stes
15	Name and stamp:)* Month Day Year
300	Receiver's certification for receipt of hazardous	
16	Name and stamp: Signature	Month Day Year Z o. Z 3

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[See rule 19 (1)]

4303

1	Sender's name and mailing address (Including Phone No. and e-mail)	PANIPAT NAPHTHA CRACKER IOCL, BALJATAN, MATLAUDA, PANIPAT, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/15428485
3	Manifest Document No.	4303
4	Transporter's name and address: (including Phone No. and e-mail)	JUS Tech
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	R5094B0698
7	Vehicle registration No.	R509480698
8	Receiver's name & malling address (Including Phone No. and e-mail)	Shree Cement Pali, Ray
9	Receiver's authorization No.	RPCB/Hwm /2020-21/Kpm/Hwm)
10	Waste Description	Bio-remediated studge
11	Total quantity No. of Containers	17.05-38 MT m³ or MT
12	Physical form	(Solid/Semi-Solld/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	use ppts
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 respect in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Air signature or yet s লগ্যক সৰ্বাচ (মুল এই ই Assistant Managar (H S &	(a) Month Day Year (A)
	Transporter acknowledgement of receilst of Was	132740 32540
15	Name and stamp: Signature	*Month Day Year
	Receiver's certification for receipt of hazardous	and other waste
16	Name and stamp: Signature	Month Day Year Vear 2023

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[See rule 19 (1)]

4304

1	Sender's name and mailing address (including Phone No. and e-mail)	PANIPAT NAPHTHA CRACKER IOCL, BALJATAN, MATLAUDA, PANIPAT, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/15428485
3	Manifest Document No.	4304
4	Transporter's name and address : (including Phone No. and e-mail)	JUL tech
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	R5094B0698
8	Receiver's name & mailing address (Including Phone No. and e-mail)	shree Cement Pali, Ray
9	Receiver's authorization No.	RPCB/Hwm/2020-21/epm/Hum/59
10	Waste Description	Bio-remediated sludge
11	Total quantity No. of Containers	16.54 MT morMT
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 Sender's Certificate April Singuistics April Singuistics	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: Start Mark Signature 132140	Month Day Year
	Transporter acknowledgement of receipt of Was	Sen
15	Name and stamp: Signature	* Month Day Year Dy 2023
	Receiver's certification for receipt of hazardous	and other waste
16	Name and stamp: Signature	Month Day Year 11 0 4 2 2 3

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[See rule 19 (1)]

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1	Sender's name and mailing address (including Phone No. and e-mail)	PANIPAT NAPHTHA CRACKER IOCL, BALIATAN, MATLAUDA, PANIPAT, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/15428485
3	Manifest Document No.	4305
4	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.	R509 GB 0698
8	Receiver's name & mailing address (Including Phone No. and e-mail)	shree Cement Pali, Raj
9	Receiver's authorization No.	RPCB/HWM/2020-21/CPM/HOMI
10	Waste Description	Bio-Remediated Studge
11	Total quantity No. of Containers	17.11 MT m³ or MT Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional Information	Use PPES
14	Sender's Certificate Rid	I hereby declare that the contents of the consignment are full and accurately described above by proper shipping name and ar categorised, packed marked, and labelled, and are in all respect in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: प्राचीर Alt Singh Jaton; राज्यक प्रयोग (९व एस	Month Day Year
	Transporter acknowledgement of receipt of we	(S. & E) (S. S. S
15	Name and stamp: Fanipat Registry U.O.C.L	* 1 Day Year 2023
	Receiver's certification for receipt of hazardous	- 03/
16	Name and stamp: Signature	Month Day Year 2 8 2 3

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[See rule 19 (1)]

4306

1	Sender's name and mailing address (including Phone No. and e-mail)	PANIPAT NAPHTHA CRACKER IOCL, BALIAIAN, MATLAUDA, PANIPAT, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/15428485
3	Manifest Document No.	4306
4	Transporter's name and address : « (including Phone No. and e-mail)	JUS Tech.
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
7	Vehicle registration No.	R514 4NO581
8	Receiver's name & mailing address (Including Phone No. and e-mail)	stree Coment Puli / Reg
9	Receiver's authorization No.	RPCB/HWM/2020-21/cpor/HWM/59
10	Waste Description	Bio- Remediated studge
11	Total quantity No. of Containers	15.88 MT m³ or MT Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Use PPES
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Aji Signatur Signiya सहायक समिक (एवं एवं	(3)
The second	Transporter acknowledgement of receipt of Wa	appres2140
15	Name and stamps Signature	* Month Day Year 1 6 2027
1	Receiver's certification for receipt of hazardous	and other waste
16	Name and stamp:	Month Day Year 2023

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MANIFEST FOR HAZARDOUS AND OTHER WASTE

1	Sender's name and mailing address (Including Phone No. and e-mail)	PANIPAT NAPHTHA CRACKER IOCL, BALJATAN, MATLAUDA, PANIPAT, HARYANA
2	Sender's authorization No.	HWM/PIT/2023/15428485
3	Manifest Document No.	4307
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.	
7	Vehicle registration No.	R514 GNOS81
5	Receiver's name & mailing address (Including Phone No. and e-mail)	shree Cament Pali, Raj
3	Receiver's authorization No.	RPCB / HWM/2020-21/ EPM/HWM/59
23	Waste Description	sio-remediated studge
11	Total quantity No. of Containers	17.43 MT m³ or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Olly/Tarry/Slurry/Liquid)
113	Special handling instructions and additional information	use ppels
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respect in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Ali Signature loriya सञ्जयक प्रवेशक (एव एस एर्ने Assistant Monager (H S	
	Transporter acknowledgement of receipt of Was	t492140
15	Name and stamp: Signature	Month Day Year 2023
	Receiver's certification for receive of hazardous	1 921
15	Name and stamp: Signature	EKHNE Month Day Year

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[See rule 19 (1)]

MANIFEST FOR HAZARDOUS AND OTHER WASTE

2	Sender's name and mailing address (including Phone No. and e-mail)	PANIPAT NAPHTHA CRACKER IOCL, BALIATAN, MATLAUDA, PANIPAT, HARYANA		
2	Sender's authorization No.	HWM/PIT/2023/15428485		
3	Manifest Document No.	4309		
-	Transporter's name and address: (including Phone No. and e-mail)	JVS Tech		
5	Type of vehicle	(Trück/Tanker/Special Vehicle)		
5	Transporter's registration No.			
P	Vehicle registration No.	RJ09GB0698		
*	Receiver's name & mailing address (Including Phone No. and e-mall)	Shree Cement Pali, Raj		
=	Receiver's authorization No.	RPCB/HWM/ 2020-24/cPM/AWM/59		
韓	Waste Description	Amine Studge		
	Total quantity No. of Containers	16.68 MT m³ or MT Nos.		
-	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)		
	Special handling instructions and additional	Use PPEIS		
	Sender's Certificate	I hereby declare that the contents of the consignment are fur and accurately described above by proper shipping name and a categorised, packed marked, and labelled, and are in all respe in proper conditions for transport by road according to applical national government regulations.		
	Name and stamping (NO Signature) And Control (NO	Month Day Year 1 2 0 8 3		
	Transporter acknowledgement of receipt of Was	ites		
N.	Name and stamp; Signature	Month Day Year 1 4 2 2 3		
	Receiver's certification for receipt of basardous	and other waste		
15	Name and stamp: Signature	Month Day Year 1 4 2 5 2 3		

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[See rule 19 (1)]

4310

	Sender's name and mailing address (Including Phone No. and e-mail)	PANIPAT NAPHTHA CRACKER IOCL, BALJATAN, MATLAUDA, PANIPAT, HARYANA
	Sender's authorization No.	HWM/PIT/2023/15428485
7	Manifest Document No.	4310
	Transporter's name and address: (including Phone No. and e-mail)	IVS Tech
5	Type of vehicle	VTouck/Tanker/Special Vehicle)
乒	Transporter's registration No.	
	Vehicle registration No.	RJ09G1B0698
-	Receiver's name & mailing address (Including Phone No. and e-mail)	Stree Cement Pali, RI
9	Receiver's authorization No.	RPCB HWM/2020-21/CPM/HWM/
站	Waste Description .	Amine Sludge
	Total quantity No. of Containers	17.86 MT m'orMT
	Physical form	(Solld/Seml-86fld/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	USE PPE
	Sender's Certificate	I hereby declare that the contents of the consignment are ful and accurately described above by proper shipping name and a categorised, packed marked, and labelled, and are in all respe in proper conditions for transport by road according to applical grational government regulations.
	Name and stamp: 007-Signature 018	The state of the s
V.	Transporter acknowledgement of receipt of Waste	*
15	Name and stamp: Signature	Month Day Year
	Receiver's certification for receipt of hazardous ar	nd other waste
姓	Name and stamp: Signature	Month Day Year

4311

	Sender's name and mailing address (including	PANIPAT NAPHTHA CRACKER IOCL, BALJATAN,
10 A	Phone No. and e-mail)	MATLAUDA, PANIPAT, HARYANA
	Sender's authorization No.	HWM/PIT/2023/15428485
3	Manifest Document No.	4311
4	Transporter's name and address : (Including Phone No. and e-mall)	JVS Tech
3	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	
3	Vehicle registration No.	RJ1461N9264
	Receiver's name & malling address (including Phone No. and e-mall)	Showe Coment Pali, RJ
3	Receiver's authorization No.	RPCB/HWM/2020-21/CPM/HWM/5
25	Waste Description	Butene sludge
Н	Total quantity No. of Containers	8.6 MT m³ or MT Nos.
1	Physical form	(Solid/Seror-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
-	Special handling instructions and additional information	USE PPE
-	Sender's Certificate ঞ্জাল বিভ জালীবিখা Alit Singh Jalodye ভাল্যখন সুৰ্বজন বিভিন্ন কৰিছিল।	I hereby declare that the contents of the consignment are full and accurately described above by proper shipping name and an categorised, packed marked, and labelled, and are in all respect in proper conditions for transport by read according to applicable national government regulations.
	Name and stamps stant (1.0.0.0.1.) - Panipal Reserve (1.0.0.0.1.) - Panipal Reserve (1.0.0.0.1.)	Month Day Year 12 23 2023
	Transporter acknowledgement of receipt of Was	ites
5	Name and stamp: Signature	Month Day Year 2 3 2 0 2 3
	Receiver's certification for receipt of hazardous	
15	Name and stamp: Signature	Month Day Year 1 2 2 3 2 0 2 3

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MANIFEST FOR HAZARDOUS AN			
Sender's name and mailing address anduding Phone No. and e-mail)	Isa Pampat Napha Cracker		
Sender's authorisation No.	HWM PIT 2023 154285		
Manifest Document No.	30/8		
Pansporter's name and address : incoding Phone No. and e-mail)	J VS Tech		
Tipe of vehicle.	(Yuck/Tanker/Special Vehicle)		
ite Transporter's registration No.	and the second of the second o		
wehicle registration No.	1 NO 11 71 0 10		
Receiver's name and mailing Address (Including Phone No. and e-mail)	Shree Cement, Pali,		
Secreter's authorisation No.	RPUB/HWM 2-020-21 CPM/ MWM/39		
Tell State description	SPIRa (spent Catalyst)		
Total ouantity No of Confainers	23.82 MT m'or WT		
(g) Physical form	(Solid/Semi-Solid/Sludge/Olly/Tarry/Slumy/Liquid)		
Special randing instructions and additional internation	PPEls		
Sector & Certificate April All Single Using the Certificate All Single Using the Certificate (a) Assolution (a) Particular (a) Particular (b)	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 same Signature	Month Day Year		
Signature SKHP	Month Day Year		
s could some deceipt of hazardous and other	Month Day Year		

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MANIFEST FOR HAZARDOUS AN	ND OTHER WASTE
Sender's name and mailing address mouding Phone No. and e-mail)	I och Panipat Napma Cracker
Serder's authorisation No.	HWM PIT 2023 154285
Manifest Document No.	3019
Transporter's name and address : Including Phone No. and e-mail)	J. V.S Tech
Type of vehicle	(Tocck/Tanker/Special Vehicle)
Tiarscorter's registration No.	
sence registration No.	R519 45 6009
Receiver's name and mailing Address including Phone No. and e-mail)	Shree Coment Pali, Raj
Receiver's authorisation No.	RPCB/HWM/2020-21/ CPM/HWM/59
Marce person .	Silica (spent catalyst
Total puerfoly No. of Containers	26.78 M.T. morMT
A President	(Solid/Seml-Solid/Sludge/Oilty/Tarry/Slurry/Liquid)
Sherial randing instructions and additional	PPE's
second's Centificate असीरा जिल गासीरिया April Second Submite (1) and the Second Sec	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.
Manne arra stamp Signature C	Month Day Year
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600	MANIFEST FOR HAZARDOL	JS AND OTHER WASTE
	Sender's name and mailing address (Including Phone No. and e-mail)	Ioch Panipat Napha Cracker, Panipat
13	Sender's authorisation No.	HWM/PIT/2023/1542845
2	Manifest Document No.	3010
*	Transporter's name and address : (Including Phone No. and e-mail)	JVS Tech
4	Type of vehicle	. (Todok/Tanker/Special Vehicle)
生	Transporter's registration No.	0
	Vehicle registration No.	RJ146P3856
液	Receiver's name and malling Address (Including Phone No. and e-mail)	Shree Coment, PALI Rajashan
3	Receiver's authorisation No.	RPCB/HWM/2020-21
等	Waste description	Biovernediated Studge
	Total quantity No. of Containers	19.37 MT m'orMI
2	Physical form	(Solid/Semi-Solid/Sludge/Oily/Terry/Slurry/Liquid)
1	Special handling Instructions and additional information	USE PPE'S
	Sender's Certificate জুলীল নিট আজীবিধা Ajit Singh Jaloriya লচাৰৰ দেশক (ব্যু এই ব্যু Assistant Ma ager H An ঘুলালে বিধাৰ্শন (আনুক্র বিদ্যান	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 (Citing Signature	Month Day Year
5	Transporter acknowledgment of receipt of Wastes	
	Name and stamp Silia Stanatura	Month Day Year (이 가 (이 기 (2) 2) 2 (3) 2
	Receiver's sertification formeceipt of hazardous and other	
86	Name and stamp: /s/ Signature	Month Day Year

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	MANIFEST FOR HAZARDOUS A	ND OTHER WAS IE
	Sender's name and mailing address including Phone No. and e-mail)	IOCL Panipat Napha Gracker, Panipat
2	Sender's authorisation No.	HWM PIT/2023 1542845
5/31	Manifest Document No.	3011
•	Transporter's name and address : ancluding Phone No. and e-mail)	J.V.S Tech.
5	Type of vehicle	(Truck/Tanker/Special Volvicle)
*	Transporter's registration No.	
面	Vehicle registration No.	RJ14GP3856
	Receiver's name and mailing Address Including Phone No. and e-mail)	Shree Cement, PALI Rajaothan
*	Receiver's authorisation No.	RPCB HWM/2020-21/ CPM HWM/59
THE	Waste description .	Bio-remediated Slud.
27	Total quantity No. of Containers	19.36 M.Tm²crMT
	Physical form	(Solid/Seml-Solid/Sludge/Oily/Tarry/Slurry/Liqu
10	Special handling instructions and additional aformation	USE PPE'S
-	Sender's Certificate अजीत रिगेड जारों रिया Ajit Singh datoriya सहायक प्रत्येशक (एवं एत एतं ई.) Assistant Managov (b) \$ & E) पानीयत रिपेडनची की और दिला)-132140 Panipat Rollin (b) (c) 1-132140	I hereby declare that the contents of the consignment are fully and accurate described above by proper shipping narround are categorised, packed marked, a labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulation. Month Day Year
	Name and stamp : Signature	87 83 2023
1	Transporter acknowledgment of receipt of Westes	Month Day Year
	Name and stamp SHR Signature	07 03 2029
THE.	Receiver's certification for receipt of hazardous and other	Month Day Year
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	Sender's name and mailing address Including Phone No, and e-mail)	I OCL Panipat Napha
	a speciality (trains (to) and a many	Cracker, Panipat
2	Sender's authorisation No.	KWM PIT 2023 1542 845
191	Manifest Document No.	3012
#	Transporter's name and address : including Phone No. and e-mail)	J-V-S Tech
8	Type of vehicle .	. (Kryck/Tanker/Special Vehicle)
*	Transporter's registration No.	
	Vehicle registration No.	RJ32GC9087
#	Receiver's name and malting Address and e-mail)	Shree Cement, PALI Rajasthan
· (8	Receiver's authorisation No.	RPCB/HWM/2020-21/ CPM/ HWM 59
HE.	Maste description	Bio-remediated Shidge
-	Total quantity No. of Containers	19.96 M T m² or MT
=	Physical form	(Solid/Semi-Solid/Sludge/Oily/Terry/Slurry/Liquid)
113	Special handling instructions and additional information	USE PPE'S
7/4	Sender's Certificate अजीत किंद्र जातीरिया Aja Singa daloriya राष्ट्राया प्रयक्त (१०० एक प्योई.) Assessant Mana (१० ४ E) स्त्राया क्यांप्रत (१० किंद्र के 132140	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are cotegorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp of treatner, Signature 12,140	Month Day Year
V 45	Transporter acknowledgment of receipt of Wastes	Month Day Year
	arre and stampe, 3Har signature	67 013 7 623
-	Persons settification for repeipt of hazardous and of	her waste Month Day Year
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SI, No. 3013

	(1) MANIFEST FOR HAZARDOUS AN	
	Sender's name and mailing address (Including Phone No. and e-mail)	FOCL Panipat Napha Cracker Panipat
2	Sender's authorisation No.	HWM/PIT/2023/154285
3	Manifest Document No.	3013
#	Transporter's name and address : (Including Phone No. and e-mail)	J.V.S Tech
Š	Type of vehicle	(Touck/Tanker/Special Vehicle)
2	Transporter's registration No.	
	Vehicle registration No.	RJ 146P3856
2	Receiver's name and mailing Address (Including Phone No. and e-mail)	Shree Cement, PALI Rajasihan
3	Receiver's authorisation No.	RPCB HUM 2020-21 OPM/ NWM 59
102	Waste description	Bio remediated Studge
7	Total quantity No. of Containers	22-63 M.T ormt
72	Physical form	(Solid/Semi-86fid/Sludge/Oily/Tarry/Slurry/Liquid)
63	Special handling instructions and additional information	USE PPE'S
34	Sender's Certificate April Singh Jaloriya April Singh Mar agar (H S & E) Name and stamp: 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
	Transporter acknowledgment of receipt of Wastes	017 016 2012 13
-	Name and stamp Signature	Month Day Year
H	Receiver's dertification for receipt of hazardous and other	Month Day Year

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SI, No.

	MANIFEST FOR HAZARDOUS AND	OTHER WASTE
	Sender's name and mailing address including Phone-No, and e-mail)	IXI Panipot Napha.
	Sender's authorisation No.	MWM/PIT/2023/154285
4	Warrifest Document No.	3014
4	Transporter's name and address : including Phone No. and e-mail)	J.V.S Tech
2	Tittle of vehicle	(Tyrck/Tanker/Special Vehicle)
*	Transporter's registration No.	1912
7	Sehicle registration No.	RJ32GC9087
N	Paceiver's name and mailing Address including Phone No. and e-mail)	Shree Cement, PALI Rajaskan
*	Receiver's authorisation No.	RPCB/HWM/2020-21/
海	Naste description	Bir-remediated Study
	Texts quantity se of Containers	2 0 . 21 MT m² or MT
70	Physical form	(Solid/Semi/Solid/Studge/Oily/Tarry/Slurry/Liquid
元	Special handling instructions and additional information	USE PPEL
-	Sercier's Cartificate अभीत (भंड आली रिया Alt Singh Jaronya सहाय के अभीतक (भ प्रयापक ई.) Assistant (भ के के की सी.) -132140	I hereby declare that the contents of the consignment are fully and accurated 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.
	A CAN	Month Day Year 57 86 2023
海	The second edgment of receipt of Wastes	Month Day Year
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加热	The series confication for receipt of nazardous and other w	vaste
DECO	/Signature .	Month Day Year

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SI. No.

Sender's authorisation No. Manifest Document No. Transporter's name and address: Including Phone No. and e-mail) Type of vehicle	HWM/PIT/2023/154285 3015 J.V.J Fech (Thick/Tanker/Special Vehicle)
Transporter's name and address : Including Phone No. and e-mail)	J.V.s rech
Including Phone No. and e-mail)	J.V.s Tech
# Type of vehicle	(Truck/Tanker/Special Vehicle)
Transporter's registration No.	
Vehicle registration No.	R5149N9264
Receiver's name and mailing Address Including Phone No. and e-mail)	Shree Cement, PALST
Receiver's authorisation No.	RPCO/HWM/2020-4/CPM/ HWM/59
Weste description .	Botene Auge Corganicres
Total quentity No. of Containers	9.93 MTNos
*2 Pysical form	(Solid/Semi-Solid/Sludge/Oily/Terry/Slumy/Llquid
Special handling Instructions and additional information	Vie ppels
Sender's Certificate हमतीन दिस दालीविया Aj : Sinch Lateritya सहस्रक , ब्रुक्ट (यह एस एवं ई.) Assista ! Manneer (H S & E) वृत्तीका (स्कार्ति (अस्ति क्)-132140 Paniput Refine (Q G.s.)-132140	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
Name and stamp : Signature	Month Day Year 0 3 2 0 2 3
Tensporter acknowledgment of receipt of Wastes Signature	Month Day Year 8 9 1 2 0 2 3
see and stamp > Signature	waste Year Year

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	MANIFEST FOR HAZARDOUS A	
	Sender's name and mailing address Including Phone No. and e-mail)	God, Panipat Napthe Cracker
2	Sender's authorisation No.	Hwm/PST/2023/154285
	Manifest Document No.	3015
*	Transporter's name and address : including Phone No. and e-mail)	J. V. S Tech
	Type of vehicle	(Truck/Tanker/Special Vehicle)
	Transporter's registration No.	
NE.	Vehicle registration No.	R5144N9260
3	Fleceiver's name and mailing Address Including Phone No. and e-mail)	Shree Cement, PALI
	Paceiver's authorisation No.	- RPLB/HWM/2020-21/COM HWM/59
但	Pleste description	Botene sludge Lorganic Resid
	Total quantity No. of Containers	7:69 MTn'orMT
	?> _s scal form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Llquld)
	Special handling instructions and additional	use pp&'s
*	Serder's Certificate Opinion (शिंक जानिशिया A) Singh delictive TRATE Seigns (एक एस एवं ई.) As siste it Ma TRATE (1)-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.
	Signature	Month Day Year 1 20 2-7
725	Temporter acanowledgment of receipt of Wastes	
	Mane and stane 80mature	Month Day Year 20 9 1 1 20 2 3
1	The service on for receipt of hazardous and other	
Senting .	Some and stamp Signature	Month Day Year

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	MANIFEST FOR HAZARDOUS AN	ND OTHER WASTE
	Sender's name and mailing address Including Phone No, and e-mail)	Dock , l'ansport naghthe Complex
	Sender's authorisation No	Hwm/pit/2023/154285
	Wan fest Document No.	2017
4	Transporter's name and address : including Phone No. and e-mail)	JVS tech
	Tipe of vehicle	(Truck/Tanker/Special Vehicle)
	Transporter's registration No.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	renide registration No.	RT14 4N 9310
	Receiver's name and mailing Address impuding Phone No. and e-mail)	shree Coment 18ali, paj.
4	Receiver's authorisation No.	RPCB/HWM/2020-21/cpm/ HWM/59
1	Maste description	Amère studge Corganie Residen
10	Total quantity so of Containers	Amine sludge Cosquie Residen 20.82 MT m'or MT
*	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
10th	Special handling instructions and additional	
	- rumation	PPE's
	Sancer's Ceruficate अणीत सिंड जातीरिया Ajit Singh 'अअर्गणा अलाक प्रसंपक प्रसंप	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp Signature	Month Day Year
1	and additional of receipt of Wastes	
	SEKHARO	Month Day Year to b 2 6 2 3
	Technical confidence for receipt of hazardous and other	Month Day Year
STATE OF STREET	ALCOHOL CO.	MILLION 1999 1001

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and the	MANIFEST FOR HAZARDOUS AND	
	Sender's name and mailing address Including Phone No. and e-mail)	1.0.C.L. Naphtha Cracker Pomipat (HIR)
9	Sendar's authorisation No.	HWM/PIT/2023/15428485
1	Manifest Document No.	3354
	Transporter's name and address : Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Celhi-110042
	Type of vehicle	(Truck/Tanker/Special Vehicle)
	fransporter's registration No.	07CKPPS3333F1ZX
	Vehicle registration No. WP 09 HH 3802	(1) RJ114C 1991, Ltd.
	Receiver's name and mailing Address Including Phone No. and e-mail)	Premier Research Stor. No. 9, New Kell 201 (ALP)
No.	Receiver's authorisation No.	AWM- 26405
	Plaste description .	Spent Alumina
	Total quantity to of Containers	61.45 M.T m'OINT TWO TOUCKS NOS
	Prysical form	(Solid/Semi-Solid/Sludge/Olly/Tarry/Slurry/Liquid)
	Special handling instructions and additional attenuation	Jamabo Begs
	Sender's Certificate अजीत सिंह जालीरिया Alit Singh Jaloriya सामक प्रवंधक (एवं एस एवं ई.) जोतिक हिंह अध्या Manager (H S & Single of Single कार्या (आई.ओ.सी.प्रा. प्रतिश्वा (Comit)	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.
	Septiment Nachtra Carbor (Lo.C.L)-132:10	Month Day Year
	For Promier Retractories of India Pvt. Ltd.	Month Day Year
	Faceiver's certification for receipt of hazardous and other w	aste . Month Day Year
	Signature C	Month Day Year

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MANIFEST FOR HAZARDOUS AND	OTHER WASTE
beroel's name and mailing address berouting Phone No. and e-mail)	1.0.C.L. Naphtha Cracker
Sender's authorisation No.	Pomipat (H.R) HWM/PIT/2023/15428485
Mar fest Document No.	3327
Twiscorter's name and address : Iscusing Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gendhi Transport Negar, DelM-110042
Time of vehicle	(Truck/Tanker/Special Vehicle)
Tensporter's registration No.	. 07CKPPS3333F1ZX
**************************************	@ HR73 8 0720
Accepted name and mailing Address Accepting Phone No. and e-mail)	Premier Refractories of India Pvt. Ltd. New Kalin., Jan. P.O. Box No. 9, Kajin. 133501 (M.P)
N Receiver's authorisation No.	AMM-26402
All Hamme description	Spent Alumina
Table authors as of Containers	69.48 M.T morMT
	(Solid/Semi-Solld/Sludge/Oily/Tarry/Slurry/Liquid)
and additional	Jambo Begs
er Mare Riss Deginder Sings ersente und genetit Assistant Manuscer (Maharizis)	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
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Sender's name and mailing address Including Phone No. and e-mail)	1.0. G.L. Naphtha Cracke
	Panipat (H.R)
Sender's authorisation No.	HWM/PIT/2023/15428485
ter lest Document No.	3324
Transporter's name and address : Louising Phone No. and e-mail)	M.F. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Transport Nagar, Debti-110042 E-mail: mpquick3333@gmail.com
Tipe of vehicle	(Truck/Tanker/Special Vehicle)
Transporter's registration No.	07CKPPS3333F1ZX
PT 05 GB 485	200 UP 95 T 5019
Persuer's name and mailing Address and uping Phone No. and e-mail)	Promier Refractories of India Pvt. Ind. New Kathi, Jn., P.O. Box No. 9, Kathi-483501 (M.P)
Figure er's authorisation No.	AWM-56405
Alassa Sescription	Spent Alimina
and pullating we of Containers	64.36 M.T morMI
	(Solid/Semi-Solid/Sludge/Oily/Terry/Slurry/Liquid)
manufung instructions and additional	Jambo Bess
Inglinder verrön sechrin Schrin verrön Signature M	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	onth Day Year
wastes	V-a
The Foundar Radinestories of India Pvt. Ltne	And the second s
warmer to commission for receipt of hazardous and other wa	aste Aonth Day Year

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MANIFEST FOR HAZARDOUS A	1.0.C.L Naphtha Cracker
Phone No. and e-mail)	
	Paniport (H.R)
General authorisation No.	HWM/PIT/2023/15428484
2011 Assembled Encurrent No.	335-
Tame and address : No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanja; Gandhi Transport Nogar, Bells: 110042 E-mail: papeulck3333@ccasil.com
AND FRICE	. (Truck/Tanker/Special Vehicle)
Removal registration No.	07CKPPS3333F1ZX
M(1) CORECHOLDM (1700 CO)	
Received from and mailing Address Phone No. and e-mail)	Premier Refractaties of India Pvt. Ltd. New Katalana, P.O. Box No. 9, Katalana 33601 (M.P)
High we s authorisation No.	AWM-56405
The There exercises	Spent Alumina
Wild Towners	94.06 M.T
	Three Trucks Nos
	(Solid/Semi-Solid/Sludgo/Olly/Tarry/Slurry/Liquid)
Interest sending instructions and additional	
The second secon	Jambo Begs
Thirty by Loginder Stigh Refers to Annual Training 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.
Proper Nach 178 Codes (J.O.C.I.)-132140	Month Day Year
and an activated great of receipt of Wastes	· ·
Signature Signature of India Vvl. List	Month Day Year
Machine a commission for receipt of hazardous and other	waste . Year
Signature	MUMILI DAY 1881

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Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex FORM 10

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3358 {See rule 19 (1)} MANIFEST FOR HAZARDOUS AND OTHER WASTE 1.0.C.L Naphtha Cracker series name and mailing address mounting Phone No. and e-mail) sers authorisation No. tantest Document No. The sporter's name and address : AW-9, Ground Floor, Sant Goadhi metading Phone No. and e-mail) Transport Nagar, Desit-1:0042 E-mail: impguick3333@gmail. (Truck/Tainkor/Special Vehicle) Tigge of vehicle To the mame and mailing Address Premier P --- 'cales of India Pvt. Ltd. Impacing Phone No. and e-mail) New King Line, P.O. Box No. 9, No. 1, 83501 (M.P) or at a supportation No. AWM-56405 91.34 M,T morMT THE PERSON NAMED IN Three Trucks Nos (Solld/Semi-Solid/Sludge/Olly/Tarry/Slurry/Liquid) mental restrictions and additional 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. a Living Am Year Signature Materials) Month र प्राइजी ही,रसा-132140 Naphthe Cracker (LO.C.) \$ 139130 movedoment of receipt of Westes

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ion for receipt of hazardous and other waste

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DOMESTICAL DESIGNATION OF THE PERSON OF THE	AND PROPERTY OF	
	arcas and mailing address Phone No. and e-mail)	1.0.C.L. Naphtha Cracker Pomipat (H.R)
	s authorisation No.	HWM/PIT/2023/15428485
	Austrian Document No.	3359
	Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Panel Transport Negar, Delhi-11004
	These of vehicle .	(Truck/Tanker/Special Veniclo)
	The second registration No.	07CKPPS3333F1ZX
	MP (1) P444 (1) MR BRY 7949 (1) MP	16H777600)MP20HB7770
	Address Phone No. and e-mail)	Premier F ries of India Pvt. Ltd. New F, P.O. Box No. 9, K 33501 (M.P)
	Chramers authorisation No.	AMM-26402
anean Care	Market Secretion	spent Alumina
	Anne surrive Anne surrive An	100.81 M.T m'OIMI Three Frycks NOS
		(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
	instructions and additional	Jambo Beys
	inities Ris Inglieder Sikel Inglieder Sikel Ingenieur (eitell) Ingenieur (eitell) Ingenieur (eitell)	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	Nonth Day Year
	and a supplement of receipt of Wastes	
	Commission of India Pvi. Lto.	Nonth Day Year
3	to receipt of hazardous and other w	
	Signature C	vionth Day Year

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MANIFEST FOR HAZARDOUS AN	
tercer's name and mailing adoress mouding Phone No. and e-mail)	1.0. C.L Nobbtha Cracker Panipat (H.R)
Server's authorisation No.	HWM/PIT/2023/15428485
Num Test Document No.	8360
Transporter's name and address : https://giphone.nc.andie-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gendhi Transport Nagar, Delhi-110042
Tipe of vehicle	Yruok Tarike / Special Wentele)com
arscorter's registration No.	07CKPP\$3333F1ZX
PISHA9063(1))	1R73 A 4001 () HR73B 4001
Page er's name and mailing Address reacong Phone No. and e-mail)	Premier Refracta les of India Pvt. Ltd. New Katel, Jo., P.O. Box No. 9, Katel - 400501 (M.P)
er's authorisation No.	AWM-56405
Reste description	Spent Aluminus
The suantity su or Containers	96.68 M.T m'orMT Three Trucks Nos
	The same of the sa
> sca form	(\$6\tid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
randing Instructions and additional	Jambo Beys
Centicate ACCO PORT Reproduct Single Reproduct Control Control Reproduct Control 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 tabelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
and stadion drur 6 or (m.). Signature 40	Month Day Year
Removed acknowledgment of receipt of Wastes	Month Day Year
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1:	Sender's name and mailing address (Including Phone No. and e-mail)	Panipat (H.R)
2	Sender's authorisation No.	HWM/PIT/2023/15428485
		HEROTONIA (TO G. 2017년) 시청 보면 가는 이 전 10 (TO TO BE STANDED) (TO TO T
3 -	Manifest Document No.	3211
4	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sonjey Gandhi Transport Nagar, Delhi-110042
5 .	Type of vehicle	(Truck/18/ke/iSpecial Vehiclo) 4
6	Transporter's registration No.	07CKPP93333F1ZX
7	Vehicle registration No. (1) MP 21H 3511	40 KJ 11 CC 8511
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refractors (11/7 - Pvt. Ltd. New Kathi, Jn., P. J. Janes, 9, 85 - 1 (6, 53) (81.2)
9	Receiver's authorisation No.	20495 -MWA
10	Waste description	Spent Alumina
11	Total quantity No, of Containers	66.89 M.T m'orMT
		Two Trucks Nos
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Jamba Bogs
14	Name and stamp: Transporter acknowledgment of receipt of Wastes Name and stamp: Signature Signature	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp : Signature	Month Day Year
15	Transporter acknowledgment of receipt of Wastes	Month Day Year
	For Premier Refractories of Julia Per 1972	3 8 3 1 20 23
16	Receiver's certification for receipt of hazardous and other v	
2 47	Name and storm: Signature	Month Day Year

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	MANIFEST FOR HAZARDOUG AT	TO CHILLIANS
1	Sender's name and mailing address (including Phone No. and e-mail)	1.0.C.L. Naphta Cracker
		Panipat (H.R)
2	Sender's authorisation No.	HWM/PIT/2023/1542 8485
3	Manifest Document No.	3112
4	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sariay Candle Transport Nagar, Delhi-113042
5	Type of vehicle	(Truck/Tanker/Spacial Vehicle)
6	Transporter's registration No.	07CKPP\$3333F1ZX
7	Vehicle registration No(1) MT 20HB 9970	CALLEL CO OCELLISTEN CO
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.	4MM- 26402
10	Waste description .	Spent Alumina
11	Total quantity No. of Containers	Three Trucks Nos.
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slumy/Liquid)
13	Special handling instructions and additional . Information	Jambo Begs
14	Sender's Certificate altitlet (Ris Joginder Sing) edites these (April Assistant Meruger (Montrials) mites April Stre. (Ind. 81-81-821-92)	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in prope conditions for transport by road according to applicable national government regulations
	Name and stamp impet regions "Sighature" 130140	Month Day Year
15	Transporter acknowledgment of receipt of Wastes	
214	Name and stamp : Signature For Promier Refractories of India Pvt. Ltd.	Month Day Year
16	Receiver's certification for receipt of hazardous and other	r waste
10	Name and stamo : Signature	Month Day Year

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1	Sender's name and mailing address (Including Phone No. and e-mail)	1.0.0.L Naphtha cracker Panipat (H.R)
2	Sender's authorisation No.	HWM/PIT/2023/15428485
3	Manifest Document No.	
4	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Frior, Sanjar, Gandhi, Trensport Neger, Delki-110042 E-meil-moquick 3333@gmeil,com
5 .	Type of vehicle	(Truck/Tanker/Special Vehicle)
в	Transporter's registration No.	07CKPPS3333F1ZX
7	Vehicle registration No. (1) MP 16 H 2200 (1) M	1105 HIR AM MORILLIAIR
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refractcher of India Pvt. Ltd. New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P)
9	Receiver's authorisation No.	AWM-56405
10	Waste description	Spent Alamina
11	Total quantity No. of Containers	72.06 M.T morMI
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Jambo Begs
14	Sender's Certificate प्रीती गुण्या PREETI GUPTA अधिकारी (एच.एस. एवं ई.)	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.
	Panipal Refinery (LO.C.L.)-132140	Month Day Year
15	Transporter acknowledgment of receipt or wastes	Month Day Year
13	Name and stamp: Signature For Premier Refractories of India Pvt, Ltd. 5	519 116 2823
16	. Receiver's certification for receipt of hazardous and other w	vaste
27.52 TH	Name and stamp : Signature	Month Day Year

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	WANIFES I FOR HAZARDOGG AN	
1	Sender's name and mailing address (Including Phone No. and e-mail)	Pamibut (H.R)
	# **	Pampet (HIX)
2	Sender's authorisation No.	7848 EN 21/250E/ TIP/MWH
3	Manifest Document No.	ં જેંગ્રાપ
4	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Senjer, Candil Transport Negar, Denil-11 (1042)
5 .	Type of vehicle.	(Truck/falliker/sj&erar verticle)on
6	Transporter's registration No.	07CKPP\$3333F(ZX
7	Vehicle registration No.	(URT 05 03 4352
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refractation of Latin Part Ltd. New Ketni, Jan. 1991, 199
9	Receiver's authorisation No.	AWM-56405
10	Waste description	Spent Alumina
11	Total quantity No. of Containers	TM F1.22
e 4.	Ted. of Containing	Ohe Trucks Nos
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
1.60		Solid
13	Special handling instructions and additional information	Jambo Bags
14	Sender's Certificate all the light of the land of the	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
F 198		व्व क्षित्र क्षित्र व
15	Transporter acknowledgment of receipt of Wastes	
	Name and stamp factories of inSignature a	Month Day Year
16	Receiver's certification for receipt of hazardous and other	r waste .
1	North and stamp : Author Simperiory	Month Day Year

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	MANIFEST FOR HAZARDOUS AND	OTREK WASTE
1	Sender's name and mailing address (Including Phone No. and e-mail)	1.0. Cil Naphta Cracker
9	(alcoung) from the one of them,	Pomipat (H.R)
2	Sender's authorisation No.	HWM/PIT/2023/15428485
3	Manifest Document No.	3215
4	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Trensport Nagur, Ochir-110042
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6.	Transporter's registration No.	" 07CKPPS3333F1ZX
7	Vehicle registration No. (1) UP 95 T 5353	W CG 04 NS 9970
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.	AWM-56405
10	Waste description	Spent Alumina
11	Total quantity	70, SY MT morMT
Yra.	No. of Containers	Two Trucks Nos
y_t		(Solid/Semi-Solid/Sludge/Oily/Terry/Slurry/Liquid
12	Physical form	Solid
13	Special handling instructions and additional information	Jambo Begs
14	Sender's Certificate প্রাকৃতি নিউ স্নাকৃতিয়া April Single (a) কুর ই) প্রাকৃতি (a) কুর ই (a) প্রাকৃতি (a) কুর ই (b) প্রাকৃতি (a) কুর ই (c) শ্রেম্বর (a) কুর ই (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.
	VIII (#100000 - 100000 - 100000 - 100000 - 100000 - 100000 - 100000 - 100000 - 100000 - 100000 - 100000 - 100000 - 100000 - 1000000 - 1000000 - 1000000 - 1000000 - 1000000 - 1000000 - 100000000	Month Day Year 이약 것이 같이之고
15	Transporter acknowledgment of receipt of Wastes	I . Year
	For Premier Refractories of India Pvt. Ltd.	Month Day Year 7 3 0 2 0 2 3
16	Receiver's certification for receipt of hazardous and other	waste .
No.	Name and stamp Signature	Month Day Year

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1	Sender's name and mailing address (Including Phone No. and e-mail)	TO.C.L Naphtha Cracker Pamipat (H.R)
2	Sender's authorisation No.	HWM/PIT/2023/15428485
3 .	Manifest Document No.	3216
4	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Sandhi Transport Negor, Delhi-110042
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No.	07CKPPS3333F1ZX
7	Vehicle registration No. (U) MP 09 HH 2802	UP 90 T 6055
8	Receiver's name and malling Address (Including Phone No. and e-mail)	Premier Refrectation of India Pvt. Ltd. New Kathi, Jn., P.O. Box No. 9, Kathi-483561 (M.P)
9	Receiver's authorisation No.	20495 - MWA
10	Waste description	Spent Alumina
11	Total quantity No. of Containers	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 Compared State Compared State	I hereby declare that the contents of the consignment are fully and accurated described above by proper shipping name and are categorised packed marked, an labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations. Month Day Year
	Name and stamp : (997)31 Signature	Month Day Year
15	Transporter acknowledgment of receipt of Wastes	Laborate Control of the Control of t
	Name and attemptiractories of Islan PW/91d	Month Day Year
16	Receiver's certification for receipt of hazardous and other v	vaste
	Name and stamp / AuthoriSiddaturepry	Month Day Year

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1	Sender's name and mailing address (Including Phone No. and e-mail)	Pampat (H.R)
2	Sender's authorisation No.	HWM/PIT/2023/15428485
3 .	Manifest Document No.	188
4	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandh Transpart Nagar, Dolhi-110042
5 -	Type of vehicle	(Truck/Yahkenstedaa/Vaniore)com
6.	Transporter's registration No.	• 07CKPP\$3333F1ZX
7	Vehicle registration No. (DHR7380920	W MP 20 HB 7770
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, Kejni-483501 (M.P)
9	Receiver's authorisation No.	AWM- 56405
10	Waste description	Spent Alumina
11	Total quantity	70.34 M.T Or MI
	No. of Containers	Two Trucks Nos
12	Physical form	(Sőlid/Semi-Solid/Sludge/Oily/Terry/Slurry/Liquid)
13	Special handling instructions and additional information	Jambo BcgS
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 (visited for Signature) (32140) Part of Nightia Course (1/2) (22140)	Month Day Year
15	Transporter acknowledgment of receipt of Wastes	No.
	Name and stamp : Signature	Month Day Year 10 17 2023
16	Receiver's certification for receipt of hazardous and other	waste
	Neme and stamp: Signature	Month Day Year

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1	Songer's name and mailing address	1. O. C. L Naphtha Cracker
935	(Including Phone No. and e-mail)	Paniput (H.R)
2	Sender's authorisation No.	HWM PIT/2023/15428485
3	Manifest Document No.	3218
4	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floot, Sanjay Gandhi Transport Nagar, Delhi-110042
5 +	Type of vehicle	(Truck-fair-kenspedal Walide) Loon
6.	Transporter's registration No.	#07CKPP83333F1ZX
7	Venicle registration No.	UP9574744
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, Ketni-483501 (M.P)
9	Receiver's authorisation No.	AWM-56405
10	Waste description	Spent Alumina
11	Total quantity No. of Containers	30.79 MT m'or MT
		one Truck Nos
12	Physical form	(Solid/Sami-Solid/Sludge/Oily/Tarry/Slurry/Liquid
13	Special handling instructions and additional information	Jembo Begs
14	Sender's Certificate आजीत सिंह जालीरिया Ait Singh Jaloriya सङ्ग्यक प्रयंक्त (एवं एत एतं ई.) Assistant Manager (H S & E) प्रनीयत रिकाइनी अर्थ के सि.एस.) 132140 Panipat Re (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.	Month Day Year
15	Transporter acknowledgment of receipt of Wastes	Month Day Year
	For Premier Relanduries of India 700, 11d	10 23 2023
16	Receiver's certification for receipt of hazardous and other v	vaste
10 W 27 8 5	Name and atoms: Signature	Month Day Year

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	MAIN EOT I SICILIZADO II	
1	Sender's name and mailing address (Including Phone No. and e-mail)	1.0.C.L Naphtha Cracker Pomipat (H.R)
2	Sender's authorisation No.	HWM/PIT/2023/15428485
3 .	Manifest Document No.	3219
4 .	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-8, Ground Floor, Sanjay Gandhi Transport Nagar, De'hl-110042
5 .	Type of vehiclo	(Truck/miliker/ayiekiai33@rena).com
6	Transporter's registration No.	MP 16 H 0188110PPS3333F1Z)
7	Vehicle registration No.	MP16H1894
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refractories of India Pvt. Ltd. New Katni, Jr., P.O. Box No. 9,
9	Receiver's authorisation No.	AWM-5-6405
10	Waste description	Spent Alumina
11	Total quantity No. of Containers	3.0.33 M7 m or MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid
13	Special handling instructions and additional Information	James 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 prope conditions for transport by road according to applicable national government regulations.
		Month Day Year
15	Transporter acknowledgment of receipt of Wastes	
	Name and stamp : Signature	Month Day Year
16	Receiver's certification for receipt of hazardous and other	r (waste
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1	Sender's name and mailing address (Including Phone No. and e-mail)	Panipat (H.R)
2	Sender's authorisation No.	HWM/PIT/2023/15428485
3	Manifest Document No.	3220
4	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SEPVICE AW-9, Ground Floor, Serje, Gendhi Trensport Nagar, Carrie 110642
5	Type of vehicle	(Truck/Tanker/Special Volucie)
6	Transporter's registration No.	07CKPPS3333F1ZX
7	Vehicle registration No.	\$ M730 HB 6170
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refracturies of India Pvt. Ltd. New Ketrd, Jr., P.O. Box No. 9, Ketni-483501 (M.P.)
9	Receiver's authorisation No.	AMM- 26402 =
10	Waste description .	Spent Alumina
11	Total quantity No. of Containers	30/64 M.T m'comT
12	Physical form	(Solld/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 donsignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and tabelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Associate Signature States Service States Service States Service Servi	Month Day Year
15	Transporter acknowledgment of receipt of Wastes	Month Day Year
	Name and stamping Tetracteries of Jacks 1941	10 46 2033
75	Receiver's certification for receipt of hazardees and othe	waste Month Day Year

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M.P. QUICK SERVICE W-9, Ground Floor, Start Gandhi Transport Nagar, Deliter 10042
E-mall : mpgudck0235 digitall: com v/Tanker/Special Venicle)
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757 5353 T 2P
Premier Refrectories of India Put. Ltd. New Katol, Jn. P.C. Box No. 9, Katol-48,5501 (M.P)
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reat Alumina
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Semi-Solid/Sludge/Oily/Terry/Slurry/Liquid)
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eby declare that the contents of the ignment are fully and accurately ibed above by proper shipping name are categorised, packed marked, and ed, and are in all respects in proper tions for transport by road according plicable national government regulations.
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Eth.	MANIFEST FOR HAZARDOUS A	
1	Sender's name and mailing address (Including Phone No. and e-mail)	1.0.C.L Naphtha Cracker
	(inside ing 1 to 10 to 1	Panipat (H.R)
2	Sender's authorisation No.	HWM/PIT/2023/15428485
3 -	Manifest Document No.	3222
4	Transporter's name and address : (including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Ganchi Transport Nagar, Delhi-119042
5 .	Type of vehicle.	. (Yruck/falkkel/speklal/velater).zm
5	Transporter's registration No.	07CKPPS3333F1ZX
7	Vehicle registration No.	(1) HR 47C 3448
3	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refrectories of India Put. Ltd. New Katni, Jn., P.O. Box No. 9, Katni-483501 (M.P)
9	Receiver's authorisation No.	AWM-56405
10	Waste description	Spent Allumina
11	Total quantity No, of Containers	29.27 M.T FORMT
*2	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Uqula
13	Special handling instructions and additional information	Jambo Begs.
74	Sender's Certificate PREED GUT (NO. 1971) Sender's Certificate PREED GUT (NO. 1971) Sender's Certificate Officer (HS & E)	I hereby declare that the contents of the consignment are fully and accurated 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
25	Transporter acknowledgment of receipt of sugarous	Month Day Year
	For Premier Retractories of India Vel. 179.	111 24 2023
能	Receiver's certification for receipt of hazardous and other	
	Name and stamp: Sinnature 7	Month Day Year

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1	Sender's name and mailing address	1.0.C.L Naphtha cracker
	(Including Phone No. and e-mail)	Pomipart (M.R)
2	Sender's authorisation No.	HWM/PIT/2023/15428485
3	Manifest Document No.	3223
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 Venicle)
6	Transporter's registration No.	07CKPPS3333F1ZX
7	Vehicle registration No	D MP 16 H 1691
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)
3	Receiver's authorisation No.	AWM-26405
10	Weste description	Spent Aluming
11	Total quantity No. of Containers	30,33 MT miorMI One truck Nos
2	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Jamba Bezs
**	Sender's Certificate Print Hills 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. Month Day Year
	Name and stamp : ParW Signature	गाँ व्यप व्यव्या
-	Transporter acknowledgment of receipt of Wastes	Month Day Year
	Name and stamp: Signature Signature For Premier Refrecturies of India Put. Ltd.	111 24 2023
- TE	Receiver's certification for receipt of hazardous and other	
STATE OF THE PARTY	Name and stamp : Signature CR	Month Day Year

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1	Sender's name and mailing address (Including Phone No. and e-mail)	1.0.C.L. Naphtha Cracker
		Panipat (H-R)
2	Sender's authorisation No.	HWM/PIT/2023/15428485
3 .	Manifest Document No.	M.P. QUICK SERVICE
4	Transporter's name and address : (Including Phone No. and e-mail)	AW-9, Ground Floor, Sanjay Ganubi Transport Nagar, Dehi-110042
5	Type of vehicle	(Truck/Tanke/Special Vohicle)
Б	Transporter's registration No.	07CKPP83333F17X
7	Vehicle.registration No:	1 HR 73 B 1420
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refrectation of India Pvt. Ltd. New Katni, Jn., P.O. Box No. 9, Katni-480501 (M.P.)
9	Receiver's authorisation No.	20495-MWA
10	Waste description	Spent Alumina
11	Total quantity No. of Containers	29.48 14.7 morMT
	No. of Cornainers	One Troucks Nos
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Terry/Slurry/Llquid)
		Solld.
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: According Signature described space of the According to th	Month Day Year
35	Transporter acknowledgment of receipt of Wastes	No.
	Name and stamp : Signature	Month Day Year
75	Receiver's certification for receipt of hazardous and other	waste .
NII)	Name and stamp : Sinnature	Month Day Year

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manay:	MANIFEST FOR HAZARDOUS AI	ID OTREK WASTE
	Sonder's name and mailing address (Including Phone No. and e-mail)	1.0.C.L Naphtha cracker
	Indicating Phone No. and e-maily	Panipert (HR)
2	Sender's authorisation No.	HWM/PIT/2023/15428485
3	Manifest Document No.	3225
•	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AVA-9, Ground Ficor, Sanjay Gandh Transport Nagar, Delhi-110042
5	Type of vehicle	(Truck/Tanker/Special Verlide)
6	Transporter's registration No.	07CKPPS3333F1ZX
	Vehicle registration No.	DRJ 27.GC S275
3	Receiver's name and mailing Address -(Including Phone No. and e-mail)	Premier Refracteries of India Pvt. Ltd. New Katal, Jn., P.O. Box No. 9, Katal-483501 (M.P)
3	Receiver's authorisation No.	AWM-26401
10	Waste description .	Spent Alluming
**	Total quantity No. of Containers	Se. 27 M.T. MORMT OWNE THUCK NOS.
72	Physical form	(Solid/Semi-Solid/Sludge/Olly/Tarry/Slurry/Liquid)
¥3	Special handling instructions and additional information	Jambo Begs
4	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Additional Signature actions and makes the conduction of the conduct	Month Day Year
15	Transporter acknowledgment of receipt of Wastes Name and stamp Signature	Month Day Year
	Name and stamp: Signature	12 02 2023
16	Receiver's certification for receipt of hazardous and other	Month Day Year
	Signature	Michigal Poly

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	Sander's name and mailing address (Including Phone No. and e-mail)		1.0.C. L Nephtha Cracker
	(Including Frione No. and Cambin)	#	Panipoit (HiR)
2	Sender's authorisation No.		HWM/PIT/2023/15428465
	Manifest Document No.		3226
•	Transporter's name and address : (Including Phone No. and e-mail)		M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gendhi Transport Nagar, Delh -110042
4	Type of vehicle	Ŧ.	(Truck/PalikeWs/jecial/Walqual).com
9	Transporter's registration No.		07CKPPS3333F1ZX
	Vehicle registration No.		D RJ 11 98 9620
1	Receiver's name and mailing Address (Including Phone No. and e-mail)		Premier Refracturies of India Pvt. Ltd. New Katol, Jn., P.O. Box No. 9, Katol-485501 (M.P)
E	Receiver's authorisation No.		AWM- 56405
TE.	Waste description	J.E	Spent Alumina
	Total quantity No. of Containers	*	30.16 M.T morMT
		T.	The Truck Nos
New York	Physical form	7	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
		N.	Solid
4	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.
	Name and stamp : Assets a Signature (1984) 1	Sonth Day Year Day Analy	
整件	Transporter acknowledgment of receipt of Wastes	1.0	Month Day Year
	Name and stamp: Signature For Premier Hefractories of India 14.71	ΠÎ	2 02 2023
1000	Receiver's certification for receipt of hazardous and oth		
Biggs.	Name and stamp : Signature	h	Month Day Year

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	MANIFEST FOR HAZARDOUS AT	
1	Sender's name and mailing address (Including Phone No. and e-mail)	1.0,C.L Naphtha cracker
	(including r none no. and e-many	Panifort (HIR)
2	Sender's authorisation No.	HWM/PIT/2023/15428485
3	Manifest Document No.	3227
•	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE + AW-9, Ground Floor, Sanjay Gardhi Transport Nagar, Delhi-110042
5	Type of vehicle	(Truck Tarike Naplecial Venicle) Loom
5	Transporter's registration No.	07CKPP\$3333F1ZX
1	Vehicle registration No.	(D) C G OUPE 9570
8	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refractories of India Pvt. 1td. New Katni, Jn., P.O. Box No. 9, Katni-480301 (M.P)
4	Receiver's authorisation No.	AMM- 56405
70	Waste description	Spent Alumina
77	Total quantity No. of Containers	35,69 MT morMT Ohe Truck Nos
72	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid
13	Special handling instructions and additional information	Jambo Beys
ma .	Sender's Certificate Joseph Total Language (Studio Senioral 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.
	Name and stamp: Part at Map Signature Oct. 102140	Month Day Year
to.	Transporter acknowledgment of receipt of Wastes	<u> </u>
	Name and stamp : Signature 500.	Month Day Year
705	Receiver's certification for receipt of hezardousjand other	waste
(SS)	Name and storms: Signature text	Month Day Year

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	Sender's name and mailing address (Including Phone No. and e-mail)	Panipat (H.R)
2	Sender's authorisation No.	HWM/PIT/2023/1542 8485
3 .	Manifest Document No.	3128
4	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjey Gandhi Transport Nager, Delhi-110042
5	Type of vehicle	(Truck/terlker/special Vericle) com
6	Transporter's registration No.	07CKPP83333F1ZX
7	Vehicle registration No.	D CG 04 PF 7425
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.	AWM-56405
10	Waste description	Spent Alumina
*1	Total quantity No. of Containers	35.53 MIT M'OUMT
72	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
23	Special handling instructions and additional information	Jombo Bezs
tu.	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: Assist Signature (100 to 100) solver form had (100 mill solve) (100 to 100) earlier Norther Coake (100 to 100)	Month Day Year
115	Transporter acknowledgment of receipt of Wastes	
	Name and stamp in Folloctories of India Pyt. Ltc.	Month Day Year
E	Receiver's certification for receipt of hazardous and other	
3	Name and stamp : ** Signature:	Month Day Year

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	Sender's name and mailing address	1.6.C.L Naphtha cracker
	(Including Phone No. and e-mail)	Pomileat (H.R)
2	Sender's authorisation No.	HWM/PIT/2623/15428485
1	Manifest Document No.	3229
4	Transporter's name and address ; (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjey Gender Transport Nagar, Dehl-110042
E	Type of vehicle	Truck/95hkePSpecis/VeAlbie) com
13.00	Transporter's registration No.	07CKPPS3333F1ZX
	Vehicle registration No.	W. UP 95 T 5019
	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. 3, Katni-483501 (M.P)
2	Receiver's authorisation No.	AWM-56405
110	Waste description	Spent Alumina
77	Total quantity No. of Containers	29.82 MT - OFMI OTHE Fruck Nos.
12	Physical form	(Solid/Seml-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
103	Special handling instructions and additional information	Jambo Beys
7	Sender's Certificate all Our force Juginorial Sing 1 weed in vision (send)	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamportro free and (Signature 2040 Proper Sade a Cross (COLD-1927/0	Month Day Year
報道	Transporter acknowledgment of receipt of Wastes	Vans Print Van
	Name and stapponior Habitatar Signature	Month Day Year
2	Receiver's certification for receipt of hazardous and other	r waste
ASSESSED TO	Nemo and stamp: ASignatureSingator	Month Day Year

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	MANIFEST FOR HAZARDOUS AN	ID OTHER WASTE
1	Sender's name and mailing address (Including Phone No. and e-mail)	1.0.C.L Naphdhacracker Panifait (H.R)
2	Sender's authorisation No.	HWM/PIT/2023/15428485
3	Manifest Document No.	
4	Transporter's name and address : (including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9. Ground Floor, Sarjay Cardin Transport Nagar, Delhi-110042
5	Type of vehicle	(Truck/Pal-ken/special Vehicle)
6	Transporter's registration No.	07CKPPS3333F1ZX
7	Vehicle registration No.	D HR 73 8 3820
3	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refrectories of India Pvt. Ltd. New Katol, Jn., P.O. Box No. 8, Katol-483501 (ALP)
9	Receiver's authorisation No.	70495 - WMH
90	Waste description	Spent Alumina
7	Total quantity No. of Containers	34.33 M.T mior WI
12	Physical form	(Solid/Semi-Solld/Sludge/Oily/Tarry/Slurry/Liquid)
77	Special handling instructions and additional information	Jambo Bess
72	Sender's Cartificate	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: Assistant MSignature (als) quint dear land (als)	Month Day Year
2.7年	Transporter acknowledgment of receipt of Wastes	Month Day Year
	Name and stemp : Signature For Premier he rectaries of India Pat. 1.	Month Day Year
10 E	Receiver's certification for receipt of hazardous and other	waste
ALC: UNKNOWN		Month Day Year

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W.	MANIFEST FOR HAZARDOUS AN	ILA CLANDING Conduct
	Sender's name and mailing address (Including Phone No. and e-mail)	1.0.C.L. Neightha Cracker Panifort (M.R)
2	Sender's authorisation No.	HWM/PIT/2023/154.25485
3	Manifest Document No.	3231
•	Transporter's name and address : (Including Phone No. and e-mail)	M. P.: QUICK SERVICE AW-9, Ground Floor, Sanjay Con Transport Nagar, Delini-1100
5	Type of vehicle	(Truck Tanker Special Vehicle)
5	Transporter's registration No.	. 07CKPP\$3333F1ZX
7	Vehicle registration No.	D. UP 907 6055
3	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refrectories of India Part 1 td. New Kethil, Jn., P.O. Bex Mar. 7, Kethil-483501 (M.P.)
9	Receiver's authorisation No.	AWM-56405
112	Waste description	Spent Alumines
114.	Total quantity No. of Containers	One Truck Nos
72	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Jambo Begs.
74	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: astro-from folighature santazione santa	Month Day Year
15	Transporter acknowledgment of receipt of Wastes	Month Day Year
	Name and stamp : Signature For Premier Defracturies of India Pyt.	12 11 2023
THE.	Receiver's certification for receipt of hazardous and other	waste
585H N	Name and starre Signature	Month Day Year

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Indian Oil Corporation Limited Panipat Refinery & Petrochemical Complex

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FORM 10 {See rule 19 (1)}

MANIFEST FOR HAZARDOUS AND OTHER WASTE Naphtha Cracker Sender's name and mailing address (Including Phone No. and e-mail) 7848 EN 21/ EEAE/TI9/ Sender's authorisation No. Manifest Document No. M.P. QUICK SERVICE Transporter's name and address : 4 AW-9, Ground Ficor, Sanjay Gardhi. (Including Phone No. and e-mail) Transport Magar, Culhi-110042 E-mall Impolick3333@gmoil.com (Truck/Tanker/Special Vehicle) Type of vehicle. Transporter's registration No. 07CKPPS3333F4ZX Vehicle registration No. Receiver's name and mailing Address Premier Raimeth des et India Pvt. Ltd. (including Phone No. and e-mail) New Katni, Jr., J.O. Box No. 9, Receiver's authorisation No. AWM-56405 Shent Alumina Waste description 10 Total quantity 33.93 M.T morMT No. of Containers One Truck Nos (Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Llquld) Physical form 12 solid Special handling instructions and additional 53 Jambo Best information I hereby declare that the contents of the Sender's Certificate 14 consignment are fully and accurately described above by proper shipping name and are categorised, packed marked and labelled, and are in all respects in proper TOP WARE conditions for transport by road according torindar smilt. to applicable national government regulations. man usuan termily A State Supplied Signature Year Month Day Charles and Charles (CO.C.), region Name and stamp : Transporter acknowledgment of receipt of Wastes Day Year Month Name and stamp: Receiver's certification for receipt of hazardous and other waste

Month

Name and stamp : Signature on Cur

Day

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1	Sender's name and mailing address (Including Phone No. and e-mail)	1.0.C.L Newhither cracker
		Pomipert (H.R)
2	- Sender's authorisation No.	HWM/917/2023/15428485
3	Manifest Document No.	3233
1	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gandhi Transport Negar, Dolhi-110042. E-maild mpgalck3333@gmail.com
1	Type of vehicle .	(Truck/Tanker/Special Vahicle)
Ē	Transporter's registration No. :	07CKPP\$3333F1ZX
7	Vehicle registration No.	D MP 20 HB 7770
3	Receiver's name and mailing Address (Including Phone No. and e-mail)	Presider L. fracturins of India Put, Ltd New Katol, Jo. P.O. Box No. 9, Katol-483501 (M.P)
3	Receiver's authorisation No.	AWM- 56405
100	Waste description .	Spent Alumina
	Total quantity No. of Containers	one Truck Nos
		1
1/2	Physical form	(Sőlid/Seml-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information	Jambo Begs
•	Sender's Certificate Sender's Certificate Sender's Certificate Signature Value Signature Single S	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp: Signature	Month Day Year
原作	Transporter acknowledgineht of receipt of Wastes	L Van
	Name and stamp : Signature Signature For Pennier Halfactories of India Policies	Month Day Year
THE .	Receiver's certification for receipt of hazardous and other	
538 V	Name and stame: Signature CD	Month Day Year

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	Sender's name and mailing address	1.0.C.L Naphtha Cracker.
	(Including Phone No. and e-mail)	Paniput (H.R)
Z	Sender's authorisation No.	HWM/PIT/2093/15428485
1	Manifest Document No.	3234
•	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Sanjay Gendhi Transport Nagar, Delhi-119942 E-medi-mpqulek3383@gmad.com (Truck/Tanker/Special Vehicle)
5	Type of vehicle	(Truck/Tanker/Special Vehicle)
5	Transporter's registration No.	07CKPP\$3333F1ZX
	Vehicle registration No.	D CG 04 NS 9970
1	Receiver's name and mailing Address (Including Phone No. and e-mail)	Promier Refractative of India Pvt. Ltd. New Kutni, Jos., P.O. Box No. 9, Katn. 480551 (M.P.)
3	Receiver's authorisation No.	DWM- 56402
570	Waste description	Spent AluMina
	Total quantity No. of Containers	35.09 M.T m'c MT
12	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid
12	Special handling instructions and additional information	Jambo Begs
12	Sender's Certificate Leaf MM9 Shift to the particular simple par	I hereby declare that the contents of the consignment are fully and accurate 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 regulation.
	Name and stamp: Asia Signature, and the state of the stat	Month Day Year
15	Transporter acknowledgment of receipt of Wastes	Month Day Year
	Name and stamp: Signature 7 For Premier Retractories of Incl. 277. Ltd.	12 22 2023
Wife.	Receiver's certification for receipt of hazardous and other	r waste
23000	Name and stamp: Signature (76 .	Month Day Year

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Second.	MANIFEST FOR HAZARDOUS AND	OTHER WASTE
	Sender's name and mailing address (Including Phone No. and e-mail)	1.0. C.L. Neightha emiker Panifest (H.R)
2	Sender's authorisation No.	HWM/PIT/2023/15428485
12	Manifest Document No.	3235
4	Transporter's name and address : (Including Phone No. and e-mail)	M.P. QUICK SERVICE AW-9, Ground Floor, Penjay Gandhi Transport Plager, C. Sui-110042
性	Type of vehicle :	(Truck/Tanker/Special Vehicle)
3	Transporter's registration No.	07CKPP\$3333F1ZX
A Tex	Vehicle registration No.	MP 21 H 2811
9	Receiver's name and mailing Address (Including Phone No. and e-mail)	Premier Refractation of India Pvt. Ltd. New Kathi, Jn., P.O. Box No. 9, Kathi-963301 (M.P)
/ā	Receiver's authorisation No.	AWM - 56405
E ME	Waste description	Spent Alumina
	Total quantity No. of Containers	Oue Truck Nos.
	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
Tre.	Special handling instructions and additional information	Jambo Begs
*	Sender's Certificate Signature	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised packed marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and stamp : Signature and stamp : Signa	Month Day Year 人 25 えりよい
TOTAL STREET	Transporter acknowledgment of receipt of Wastes	/conth Day Year
	For Premier Refractories of India 2006 and .	2 28 2023
10 TE	Receiver's certification for receipt of hazardous and other w	
OF STREET	Singahire 4	Month Day Year

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BOYS:	MIANIFEST FOR NAZARDOUS	AN	JUINER WASIE
	Sender's name and mailing address (Including Phone No. and e-mail)	83	1.0.C. L. Naphtha Concker
			Panipat (H.R)
2	Sender's authorisation No.		HWM/P1T/2023/1542#18
3	Manifest Document No.		
•	Transporter's name and address : (Including Phone No. and e-mail)	10	M.P. QUICK PRVICE AW-9, Ground Magnetic algorithms and 20042
5	Type of vehicle		E-mail: mpqLisk: 335-)gmail.com (Truck/Tanker/Special Vehicle)
4	Transporter's registration No.		07CKPP\$3333F1ZX
7	Vehicle registration No.		MP 16 H 2581
T.	Receiver's name and mailing Address (Including Phone No. and e-mail)	8	Premier Refrectarion of ledia Pat. 13d. New Ket. J. Jn., P.O. Box No. 9, Ket J. 1001 (M.P.)
7	Receiver's authorisation No.		AWM- 56405
20	Waste description	900	Spent Alumina
T .	Total quantity No. of Containers		29.69 M.T m'erMT
12	Physical form		(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
2000年	Special handling instructions and additional Information	SEE Annother	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.
	Name and stamp: Signature country Assisted Advantage (Appendice)		Nonth Day Year はよりまる
155	Transporter acknowledgmant of receipt of Wastes		Strike -
	Name and stamp: Signature A refractiones of india-		Nonth Day Year 2 98 2023
198	Receiver's certification for receipt of hezardous and oth	ier wa	
CAR D	Name and stamp : Signature	N	onth Day Year

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