



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार का उपक्रम) रजिस्टर्ड ऑफिस : 17, जमशेदजी टाटा रोड, मुम्बई-400020

HINDUSTAN PETROLEUM CORPORATION LIMITED

(A Government of India Enterprise) REGISTERED OFFICE : 17, JAMSHEDJI TATA ROAD, MUMBAI-400 020

CIN-L23201MH1952GOI008858

GSTIN NO. 08AAACH1118B1ZC

दूरभाष/TELEPHONE : 0141-2554958, 2724718

एम.डी.पी.एल. परिचालन मुख्य कार्यालय,
M.D.P.L. OPNS. - HEAD OFFICE
डी-7, लालबहादुर नगर (पूर्वी) जे.एल.एन. मार्ग,
D-7, Lal Bhadur Nagar (E), J.L.N. Marg,
मालवीय नगर, जयपुर- 302017
Malviya Nagar, Jaipur - 302017

Ref: MDPL/JPR/SNS

November 22, 2021

**Additional Principal
Chief Conservator of Forest (Central),
Ministry of Environment & Forests**
Regional Office, Western Region,
Kendriya Paryavaran Bhavan,
Link Road No. 3, E-5,
Ravishankar Nagar,
Bhopal-462016.
Ph. 0755-2426615

Sub: Half Yearly Compliance Report of HPCL-Mundra Delhi Pipeline.

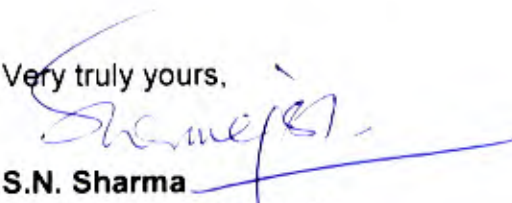
Dear Sir,

Reference is made to letter no. J.11011/93/2005-IA II (I) dated 20.06.2005 of Ministry of Environment & Forests according Environmental Clearance to Mundra Delhi Pipeline (MDPL) Project. The pipeline was commissioned in May 2007 and has been in operation since last 14 years.

We have already complied/complying with the all the conditions of Environmental Clearance. As per clause XI of General conditions, we are submitting status of point wise compliance of the stipulated environmental conditions/safeguards for the period 1st April to 30th September-2021.

Thanking you,

Very truly yours,


S.N. Sharma
DGM-Safety & Security
MDPL-HO, Jaipur

Encl.: A/a

Compliance Status of Terms & Conditions laid by MOEF for MDPL Project (April – September, 2021)**A. Specific Conditions:**

Sl.No	Conditions	Compliance Status
i.	The design, material of construction, assembly, inspection, testing and safety aspects of operation and maintenance of pipeline and transporting natural gas should be governed by ASME/ANSI 31.8/B31.4 and OISD standard 141.	Complied during tendering and design & implemented during construction.
ii.	Annual safety audit shall be carried out for the initial three years by independent agency and report submitted to this ministry for ensuring strict compliance of safety regulations on operation and maintenance.	PNGRB T4S audit carried out by M/S AMPY Pipeline Solutions Limited for the entire pipeline during 2020-2021.
iii.	The construction of pipeline particularly at the river and stream crossing shall be done during dry seasons to avoid disturbance of breeding seasons and soil erosion. The riverbed, embankment and dykes shall be restored adequately after installation of crossings.	Complied during pipeline laying and project Stage. Pipeline laid under following river/stream crossings: A) Spread 1: 1) Mithi River 2) Luni River 3) Ruparel Rive r 4) Khari River 5) Leark River 6) Bhuki Stream 7) Song I & II stream 8) Churwa Stream 9) Sakra Stream 10) Adhoi stream 11) Kotakiya Stream 12) Dhugad canal 13) Chassara canal B) Spread2: 1)Banas 2) Ladbi 3) Balaram 4) Kalarai 5) Bihar 6) Bharla 7) Jetai 8) Sela 9) Tarawari 10) Mithri 11) Mangai 12) Muthana Ka Bala 13) Sukri 14) Somesar 15) Dewar Kot Ki Nadi 16) Bandi Nadi C) Spread 3: 1) Lilki 2) Sukri 3) Kantaliya 4) Modiya 5) Lilri 6) Raipur Luni 7) Mashhi 8) Dantara D) Spread 4: 1) Madhubani 2) Sota.
iv.	Pipeline wall thickness and minimum depth of burial at river crossings and casings at rails, major road crossing should be in conformity with ANSI/ASME requirements.	Complied during Tendering/design stage & implemented during construction.



v.	The company shall follow horizontal drilling technique for laying of pipeline while passing through major rivers.	Complied during laying Pipeline under following perennial rivers & irrigation canals: A) Spread1: 1)Narmada Main canal at pipeline chainage 263 Km. B) Spread2: 1) Sujlam Suflam Canal at pipeline chainage 293 Km. C) Spread 3: 1) Gajnal Dam minor canal Canal at pipeline chainage 581 Km 2) Raipur Luni main Canal at Chainage 607 Km. 3) Lt & Rt of main canal of Gujmanda dam at pipeline chainage 624 Km. D) Spread 4: 1) Lined canal of Tankri distributory at p/l chainage 964.477 2) Lined canal of Sajaharpur distributor at p/l Ch. 966.444 3) Lined canal of Bawal distby at p/l Ch. 969.537 4) Lined canal of Jalalpur distby at p/l ch. 971.978 5) Akbarpur distby at p/l ch. 976.292 6) Kamalpur distby at p/l Ch. 980.197 7) JLN main canal at p/l ch. 982.7331 8) Jatuwas distby at p/l ch. 982.360 9) Ralliawas distby at p/l ch. 982.360 10) Ralliawas distby at p/l ch. 982.754 11) Nakhri distby at p/l ch. 985.753 12) Jitpur distby at p/l ch. 988.625 13) Nayagaon distby at p/l ch. 991.624 14) Nayagaon distby at p/l ch. 993.465 15) Lined canal of Pataudi distby at p/l ch. 1000.326 16) Sherpur minor canal at p/l ch. 1002.934 17) Luhri distby at p/l ch. 1007.190 18) Patodi minor canal at p/l ch. 1011.662 19) Salahaws left canal at p/l ch. 1015.528 20) Najafgarh Drain at p/l ch. 1021 & 21) NH-10 at p/l Ch. 1048 Km.
vi.	The project authorities shall plant a minimum of 10 trees for every tree forest area.	Complied. Final approval from MOEF Chandigarh Regional Office received for Xing pipeline thru' all 3 forest divisions of Haryana. Final approval from MOEF Luchnow Regional office received for Xing pipeline thru' all 5 Forest divisions of Rajasthan. Final approval from MOEF Bhopal Regional Office received for Xing pipeline thru' all 6 Forest division of Gujarat. Till date 43235 Nos. trees have been cut in ROU. Against which 2,40,100 trees are already planted by us, 2,06,290 Nos. trees have been planted by 5 Forest



		divisions of Rajasthan (Pali, Ajmer & Jaipur South, Jaipur North & Pali Forest divisions) & 7070 Nos. trees are under plantation by 3 Forest divns of Haryana (Gurgaon, Jhajjar & Rewari) against total amount of Rs. 129.56 lakhs deposited to 5 Forest divns of Jaipur & Rs. 14.38 lakhs deposited to 3 Forest divns of Haryana. Against MOEF Plantation norm of 10 trees plantation for every tree cut, we have planted 4,53,460 trees against requirement of 4,32,350 trees as per MOEF Norms.
vii.	The project authorities shall install SCADA system with dedicated optical based telecommunication link for safe operation of pipeline and Leak Detection system. Additional sectionalizing valve in the residential areas and sensitive locations shall be provided to prevent the leaking of gas going to atmosphere in the event of pipeline failure. Intelligent pigging facility shall be provided for the entire pipeline system for internal system for internal corrosion monitoring. Coating and impressed current Cathodic protection system shall be provided to prevent external corrosion.	Complied during project stage. Functionality tests and Maintenance is carried out as per OISD Standards.
viii.	The project authorities shall patrol and inspect the pipeline regularly for detection of faults as per OISD guidelines and continuous monitoring of pipeline operation by adopting non-destructive method(s) of testing as envisaged in the EMP. Pearson survey and continuous potential survey shall be carried out at regular intervals to ensure the adequacy of Cathodic protection system.	Entire pipeline is being Patrolled regularly/daily by PSARA approved Security Agency. CAT/CIPL surveys are carried out every five years as per OISD. CAT/CIPL survey carried out in 2018-2019 by M/s Electro-Corr-Damp.
ix.	The fire water facilities at the terminal must be designed as per OISD-117 guidelines. However, for fighting prolonged fires, the company shall firm up a plan for assured water supply from nearby ground water source/ surface water source. This must be compiled before commissioning the project.	Water tanks with following details are already constructed & filled with water for Fire Fighting for 4 hours continuously at each location as per OISD-117: Mundra: 2X3544 KL; Santhalpur : 2X700KL; Palanpur : 2X 2228.5 KL ; Awa : 2 X 700 KL ; Ajmer: 2X2000KL; Rewari: 2X850KL; Bahadurgarh: 2X4230.7 KL & Jaipur : 2X2074.6 KL. In addition, displacement water tanks with 7088 KL, 4900KL, 8700KL, 5700KL, 6500KL & 6840KL

		<p>water is stored at Mundra, Santalpur, Palanpur, Awa, Ajmer & Jaipur respectively. This additional water can undertake additional 4 to 7 hrs. of firefighting depending upon the water storage in displacement water tanks at the location. Further, supply water line has been laid from Adani Port to our Mundra Terminal & we are receiving water as & when required thru this water pipeline. At Santalpur Water Supply Board, Govt. of Gujarat has been approached for continuous water supply.</p> <p>At Palanpur 3 Nos. borewell have been dug inside Terminal with average yield of 6-12 Kl/hr & water can also be sourced from Dantiwada Dam located at 14 Kms. From Palanpur Terminal & having abundant water storage round the Year. At Awa 2 Nos. Commercial borewells are available at a distance of 4.50 Kms. & 8 Kms. Resptively. At Ajmer 3 Nos. borewells are available inside the station & 2 Nos. commercial borewells are available within a distance of 2 Kms. At Rewari 3 Nos. borewells are available inside inside the station & during emergency water can be sourced from adjoining installations of IOCL & BPCL. At Bahadurgarh 2 Nos. borewells are available inside Station & water can also be sourced from an irrigational canal within 0.5 Km distance.</p>
x.	The codes IS: 1893-2003 and IS 4326 for earth quake design shall be followed.	<p>Complied during design, Tendering & execution. Complied & laid pipeline at following seismic Zones till date : Spread 1: At Pipeline chainage 1.70 Km, 83 Km & 258.9 Km; Spread 2: At pipeline chainage 310 Km & 454 Km; Spread 3: At pipeline chainage 586.9 Km; Spread 4: At pipeline chainage 787.857 Km, 817.101 Km, 841.707 Km 922.70 Km & 950.655 Km</p>
xi.	Green Belt of adequate width and density as per the CPCB guidelines should be provided to mitigate the effects of fugitive emission all around the plant in consultation with the local DFO.	<p>We have already planted 20,000 trees at Mundra, 1200 trees at Santalpur, 2000 trees at Palanpur, 1200 trees at Awa, 2200 trees at Ajmer, 1300 trees in Jaipur, 500 trees at Rewari & 3250 trees at Bahadurgarh, 25% of total area of each station has been developed as green belt. Further</p>

		2602 trees have been planted at Locations and schools from 1 st April to 30 th September 2021.
xii.	While laying the pipeline in CRZ, no mangroves shall be destroyed and Construction activity.	Complied during project Stage.
xiii.	For construction activity, provision of construction camps facility outside CRZ shall be made.	Complied during project Stage.
xiv.	M/s. HPCL shall seek permission from the Chief Wild Life Warden either side of ROW.	MOEF Regional office, Western Region, Bhopal vide letter No. 6-GJCO38/2006-BHO/2338 dated 22/01/2007 has accorded approval for laying pipeline in Protected & Reserved Forests in Kutch, Patan & Banaskantha districts of Gujarat.



B. General Conditions:

SI. No	Conditions	Compliance Status
i.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Governments and any other statutory authority.	Complied.
ii.	There will be no change in the pipeline route, design capacity without the prior approval of the Ministry. While laying the pipeline, OISD standards with regard to distance etc., from private buildings, industrial buildings or places or habitation etc. should be followed.	Complied.
iii.	During the project construction phase, adequate care must be exercised for protection to public life, wildlife, forest power line, buildings etc. in the vicinity of pipeline and in consonance with local government's regulations.	Complied.
iv.	The project authority must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous chemicals Rules, 1989 as amended in 2000. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fires Safety Inspectorate etc. must be obtained.	All locations are having Consent to operate from respective PCBs of Rajasthan/Haryana and Gujarat. Applications for renewals have been filed wherever the renewals are due. Petroleum product (class A & B) Storage license from PESO, Nagpur received for Mundra, Santhalpur, Palanpur, Awa, Ajmer, Jaipur, Rewari & Bahadurgarh Terminals. Factory License received for Mundra, Santhalpur, Palanpur, Awa, Ajmer, Jaipur, Rewari & Bahadurgarh Terminals. At present all locations have valid consents and licenses.
v.	Detailed risk analysis of the pipeline and associated facilities must be done once the engineering design and layout is frozen. Based on this, on-site and off-site emergency preparedness plan must be prepared. Approval from the nodal agency must be obtained before commissioning the project.	Revised Risk Analysis Report & Offsite/Onsite Emergency preparedness plan has been prepared by our consultant (M/s See Consultants, Nagpur). We have

		submitted copies of reports pertaining to all 8 stations (Mundra, Santhalpur, Palanpur, Awa, Ajmer, Jaipur, Rewari & Bahadurgarh Terminals) to respective Chief/Inspector of Factories. Quantative Risk Analysis & HAZOP studied was carried out in 2013 by M/s J.P. Rao associates.
vi.	Adequate provisions for infrastructure facilities such as water supply, fuel, sanitation etc. should be ensured for construction workers during the construction phase so as to avoid felling of trees and pollution of water and the surroundings.	Complied.
vii	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the Environmental Management Plan and risk analysis report.	Complied.
viii.	The project proponent should have a scheme for social uplifment in the surrounding villages with reference to contribution in road construction, education of health centers, sanitation facilities, drinking water supply, community awareness and employment to local people whenever and wherever possible both for technical and non-technical jobs.	These activities are being carried out in ROU Villages continuously.
ix.	A separate Environmental Management Cell equipped with full fledge laboratory facilities must be set up to carry out the Environmental Management and monitoring function.	Environment management cell is set up at MDPL Project office at Delhi headed by Chief Manager-Projects which carries out Environmental management and monitoring functions. Work order has been placed on a reputed independent agency M/s SGS India Pvt. Ltd. Having full fledged laboratory facilities, for environment monitoring at our project sites on a quarterly basis & submit reports for review by our senior project executives. Monitoring for 6 quarters (April to June 2006, July to September 2006, October to December2006; January to March 2007, April to June 2007 & July

		<p>to September 2007) has been carried out & report submitted to us. Air/Water/Noise Pollution levels were found to be within permissible limits. Monitoring of Air, water and noise is being done as per the requirements of State Pollution Control Boards of respective states.</p> <p>Currently the locations are carrying out the monitoring of Air, Water and noise as per requirements of State PCBs of respective states through reputed competent independent agencies and reports are being maintained at the respective locations for the monitoring analysis.</p>
x.	The project authorities will provide requisite funds both recurring and nonrecurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.	Complied.
xi.	The implementation of the project vis-a- vis environmental action plans will be monitored by Ministry's Regional office / State Pollution Control Board / Central Pollution Control Board. A six monthly compliance status report should be submitted to monitoring agencies	Being complied. Six months reports sent earlier in Dec 2005, Jun 2006, December 2006, July 2007 2007, Jan 2008, July 2008 Jan 2009, July 2009, Jan 2010, July 2010.
xii.	A separate Environment Management Cell with full-fledged laboratory under senior executive.	Same as Point B (ix)
xiii.	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 Regional Office -Chandigarh	Complied.

xiv.	<p>The Project Authorities should inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.</p>	<p>1)Date of Approval by MOP&NG on 11.05.2005. 2)Date of Approval by HPCL Board on 28.07.2005. 3)Land development work commenced for pipeline laying on following dates: a) Spread 1: 03.04.2006 b) Spread 2: 17.03.2006 c) Spread 3: 17.03.2006 d) Spread 4: 10.03.2006 4)Land development work at Terminals & booster stations commenced on following dates: a) Mundra :18.11.2005 b) Santhalpur:15.12.2006 c) Palanpur :08.04.2006 d) Awa : 24.12.2005 e) Ajmer : 26.11.2005 f) Jaipur : 13.12.2006 g) Rewari: 15.12.2005 h) Bahadurgarh:18.10.2005</p>
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J.M. ENVIROLAB PVT. LTD.



Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number	JME/MDPS/ST/01	Report No.:	JME/ST/210816024
Name & Address of Unit	M/s. Hindustan Petroleum Corporation Limited Mundra Dispatch & Pumping Station Mundra Delhi Pipeline, Old Port Road Mundra District-Kutch. Gujarat-370428	Format No.	7.5 F-03
		Party Reference No.	NII
		Reporting Date	19/08/2021
Sample Description	STACK EMISSION MONITORING	Receipt Date	16/08/2021

Client Representative (Name & Designation)	Mr. Shailesh
Sample collected by	Mr. Kamal Kumar (Field Analyst)
Date of Sampling & Time	12/08/2021 (13:15 to 14:15 Hrs)
Sampling Location & Code	MDPS Station (DG Set 180 KVA)
Sampling duration (Minutes)	60 min.
Stack attached to	DG Set
Diameter of stack	0.08 mtr.
Height of stack	-
(i) From the source of emission	-
(ii) From roof level	-
(iii) From Ground level	8.5 mtr.
Operating Schedule (Hrs/day)	As per Requirement
Purpose of Monitoring	Regulatory Requirement
Operating condition at the time of Sampling	On Load
Metereological Condition	Clear Sky
Instrument code	JME/SMK/01/05
Instrument calibration status	Calibrated
Ambient Temperature - Ta (°C)	34.0
Temperature of Stack Gases - Ts (°C)	136.0
Velocity of Stack Gases (m/sec)	12.20
Flow rate of PM (LPM)	37.0
Flow rate of Gas (LPM)	2.2
Sampling condition	Isokinetic
Sampling & Analysis Protocol	IS-11255 & CPCB Guidelines
Parameter Required	As per work order

TEST RESULTS

S. No	Parameters	Protocol	Result	Unit	Limit
1	Particulate Matter (PM)	IS-11255(P- I) Gravimetric Method	0.11	g/kW-hr	0.2
2	Oxides of Nitrogen (NOx)	IS-11255 (P-VII) PDA Method	0.83	g/kW-hr	4.0
3	Sulphur Dioxide (SO ₂)	IS-11255 (P-II) Titrimetric Method	0.31	g/kW-hr	-
4	Carbon Monoxide (CO)	IS- 13270 1992	0.41	g/kW-hr	3.5

Note: Limit as per Environment (Protection) Rules, 1986

End of Report

Sita Ram Yadav
Tested by

Rajat Tandon
Checked by

Rajkumar Yadav
Authorized Signatory

Note

- This test report has been prepared and the results pertain to the tested sample only.
- This report is for reference only and is not to be used for any legal purpose.
- Any discrepancy in the test report or any remarks regarding the test results shall be raised at the earliest knowledge with the laboratory.
- Total responsibility for the results of the test shall be borne by the client.
- The sample will be destroyed after the test is complete, unless otherwise specified.
- Endorsement of the product tested by the laboratory is neither advised nor implied.
- Report shall not be reproduced except with the approval of the laboratory.
- All disputes are subject to the jurisdiction of Gujarat court only.

Reg. Office & Lab.

4, 4th Floor, The Park Hotel, 100 Feet Road,
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Corporate Office

Plot No. 10, Sector 10, Gandhinagar, Dhule District,
Maharashtra-413001, India. Phone: 020-26611111
Gandhinagar, Dhule District, Maharashtra



J.M. ENVIROLAB PVT. LTD.



Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number:	JME/MDPS/ST/04	Report No.:	JME/ST/210816027
Name & Address of Unit:	M/s. Hindustan Petroleum Corporation Limited Mundra Dispatch & Pumping Station Mundra Delhi Pipeline, Old Port Road Mundra District-Kutch, Gujarat-370428	Format No.:	7.5 F-03
		Party Reference No.:	Nil
		Reporting Date:	19/08/2021
Sample Description:	STACK EMISSION MONITORING	Receipt Date:	16/08/2021

Client Representative (Name & Designation):	Mr. Shailesh
Sample collected by:	Mr. Mukesh Gurjar (Field Analyst)
Date of Sampling & Time:	13/08/2021 (12:00 to 13:00 Hrs)
Sampling Location & Code:	SV-03 (DG Set 25 KVA)
Sampling duration (Minutes):	60 min.
Stack attached to:	DG Set
Diameter of stack:	0.08 mtr.
Height of stack:	
(i) From the source of emission:	-
(ii) From roof level:	-
(iii) From Ground level:	4 mtr.
Operating Schedule (hrs/day):	As per Requirement
Purpose of Monitoring:	Regulatory Requirement
Operating condition at the time of Sampling:	On Load
Meteorological Condition:	Clear Sky
Instrument code:	JME/SMK/01/09
Instrument calibration status:	Calibrated
Ambient Temperature - Ta (°C):	38.0
Temperature of Stack Gases - Ts (°C):	93.0
Velocity of Stack Gases (m/sec):	10.07
Flow rate of PM (LPM):	34.0
Flow rate of Gas (LPM):	2.2
Sampling method:	Isokinetic
Sampling & Analysis Protocol:	IS-11255 & CPCB Guidelines
Parameter Required:	As per work order

TEST RESULTS

S. No.	Parameters	Protocol	Result	Unit	Limit
1	Particulate Matter (PM)	IS-11255(P-1) Gravimetric Method	0.08	g/kW-hr	0.3
2	Oxides of Nitrogen (NOx)	IS-11255 (P-VII) PDA Method	0.66	g/kW-hr	4.7
3	Sulphur Dioxide (SO ₂)	IS-11255 (P-IV) Titrimetric Method	0.13	g/kW-hr	-
4	Carbon Monoxide (CO)	IS-13270-1992	0.36	g/kW-hr	3.5

Note: Limit as per Environment (Protection) Rules, 1986

End of Report

Sda Ram Yadav
Sda Ram Yadav
Tested by

Rajat Tanon
Rajat Tanon
Checked by

Raj Kumar Yadav
Raj Kumar Yadav
Authorized Signatory

Note

- This test report has been at your request and test results pertain to the tested sample received.
- This report is for your reference only and not to be used for any legal purpose.
- Any discrepancy in the test report or any remarks regarding the test results shall be brought to our knowledge within 7 days of the issue of this report.
- Liability or any claim in case of dispute is limited to the amount raised by the laboratory.
- The sample will be disposed after individual analysis unless otherwise specified.
- Endorsement of the past test results by the laboratory is neither a part of this report.
- Report shall not be reprinted or reissued without our approval.
- All disputes are subject to exclusive jurisdiction of our court only.

Reg. Office & Lab.

424, Chandra Prasad Road, Gandhinagar,
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E-mail: info@jmenvirolab.com | www.jmenvirolab.com

Corporate Office

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Haryana, India
E-mail: info@jmenvirolab.com | www.jmenvirolab.com



J.M. ENVIROLAB PVT. LTD.



Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number: JME/MDPS/AN/02 Report No: JME/AN/210816021
 Name & Address of Unit: M/s. Hindustan Petroleum Corporation Limited
 Mundra Dispatch & Pumping Station
 Mundra Delhi Pipeline, Old Port Road
 Mundra District-Kutch, Gujarat-370421
 Format No: 7.5 F-04
 Party Reference No: Nil
 Reporting Date: 19/08/2021
 Sample Description: AMBIENT NOISE LEVEL MONITORING
 Receipt Date: 16/08/2021

General Information:

Client Representative (Name & Designation): Mr. Shailesh (Site Incharge)
 Sample collected by (Name & Designation): Mr. Kamal Kumar (Field Co-ordinator)
 Sampling Location: SV-01
 Latitude: 22°53'45.89" N
 Longitude: 69°46'39.83" E
 Instrument used: Sound Level Meter
 Instrument code: JME/SLM/01/15
 Instrument calibration status: Calibrated
 Meteorological condition during monitoring: Clear Sky
 Date of Monitoring: 12/08/2021 to 13/08/2021
 Time of Monitoring: 06:00 AM to 06:00 AM
 Actual duration of Monitoring: 24 Hrs
 Ambient Temperature (°C): Max 33°C, Min 27°C
 Surrounding activity: Plant Operation & Human Activities
 Scope of Monitoring: Regulatory Requirement
 Sampling & Analysis Protocol: IS 9989: 2014
 Parameters Required: As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Test Results dB (A)		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1	Lmax	IS 9989: 2014	55.7	48.6	dB(A)
2	Lmin	IS 9989: 2014	40.7	35.2	dB(A)
3	Leq	IS 9989: 2014	51.6	42.8	dB(A)
4	CPCB Limits in dB(A) Leq (Industrial area)		75	70	dB(A)
5	CPCB Limits in dB(A) Leq (Commercial area)		65	55	dB(A)
6	CPCB Limits in dB(A) Leq (Residential area)		55	45	dB(A)
7	CPCB Limits in dB(A) Leq (Silence area)		50	40	dB(A)

End of Report

Ram Yadav
 Ram Yadav
 Tested by

Rajat Yadav
 Rajat Yadav
 Checked by

Rajkumar Yadav
 Rajkumar Yadav
 Authorized Signatory

Note

- This test report has been at your request and test results pertain to the tested sample received.
- This report is for your information only and is not to be used for any legal purpose.
- Any discrepancy in the test report or any remarks regarding the test results shall be brought to the knowledge within 7 days of the issue of this report.
- Total liability of any claim or use of data or statements made herein is exclusively that of the client.
- The sample will be destroyed after the retention time unless otherwise specified by client.
- Endorsement of the report is subject to the laboratory's other information as required.
- Report shall not be reproduced, reprinted or used without approval of the laboratory.
- All disputes are subject to the exclusive jurisdiction of Jaipur court only.

Reg. Office & Lab.

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J.M. ENVIROLAB PVT. LTD.



Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number	JME/MDPS/PS/01	Report No.	JME/PS/210816007
Name & Address of Unit	M/s. Hindustan Petroleum Corporation Limited Mundra Dispatch & Pumping Station Mundra Delhi Pipeline, Old Port Road Mundra District-Kutch Gujarat-370421	Format No.	7.5 F-04
Sample Description	POINT SOURCE MONITORING	Party Reference No.	Nil
		Reporting Date	19/08/2021
		Receipt Date	16/08/2021

General Information

Client Representative (Name & Designation)	Mr. Shailesh (Site Incharge)
Sample collected by (Name & Designation)	Mr. Mukesh Gurjar (Field Assistant)
Sampling Location	1 mtr from DG Set (180 KVA)
Latitude	22°47'36.38" N
Longitude	69°41'24.74" E
Instrument used	Sound Level Meter
Instrument code	JME/SLM/01/15
Instrument calibration status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	12/08/2021
Time of Monitoring	15:30 to 16:00 Hrs
Ambient Temperature (°C)	35.0
Surrounding activity	Plant Operation & Human Activities
Purpose of Monitoring	Regulatory Requirement
Control measure	--
Sampling & Analysis Protocol	CPCB GuideLines & IS-4758
Actual duration of Monitoring (minutes)	30 min
Parameter Required	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Test Results dB (A)	Unit
1	Leq (Open Acoustic Enclosure)	IS-4758 1968	95.1	dB(A)
2	Leq (Close Acoustic Enclosure)	IS-4758 1968	72.7	dB(A)
3	Insertion Loss	---	27.8	dB(A)
4	Limits (as per CPCB)	---	75	dB(A)

End of Report

(Signature)
Bita Ranjan
Tested by

(Signature)
Rajat Tandon
Checked by

(Signature)
Raj Kumar Yadav
Authorized Signatory

Note

- This test report has been prepared as per request and test results pertain to the tested sample only.
- This report is for your reference only and not to be used for any legal purpose.
- Any discrepancy in the test report or any remarks regarding the test results shall be brought to our knowledge within 7 days of the issue of this report.
- Total liability or any claim or award of dispute is limited to the service fees by the laboratory.
- The sample will be destroyed after verification unless otherwise specified in writing.
- Endorsement of the product tested by the laboratory is neither inferred nor implied.
- Report shall not be reproduced or copied in full without approval of the laboratory.
- All disputes are subject to exclusive jurisdiction of Gujarat court only.

Reg. Office & Lab.

423, P. No. 1, Sector - 10, Gandhinagar, Gandhinagar,
Mumbai - 400 075, Maharashtra, India
E-mail: info@jmenvirolab.com | sales@jmenvirolab.com | complaints@jmenvirolab.com

Corporate Office

Emami Building, 10th Floor, 100, The Trade Centre,
Cotton Street, Fort, Mumbai - 400 002, Maharashtra,
India
Contact: [+91 22 26122222](tel:+912226122222)



J.M. ENVIROLAB PVT. LTD.



Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number	JME/MDPS/W/03	Report No.:	JME/W/210816053
Name & Address of Unit	M/s. Hindustan Petroleum Corporation Limited Mundra Dispatch & Pumping Station Mundra Delhi Pipeline, Old Port Road Mundra District-Kutch, Gujarat-370421	Format No.:	7.5 F-01
Sample Description	WATER (Ground)	Party Reference No	Nil
Sample Location	SV-02 (Supply Water)	Reporting Date	23/08/2021
Client Representative (Name & Designation)	Mr. Sharlesh (Site incharge)	Receipt Date:	16/08/2021
Sample collected by (Name & Designation)	Mr. Kamal Kumar (Field Co-ordinator)	Sampling Date	14/08/2021
Latitude	22°57'57.45" N	Sampling Type	Grab
Longitude	69°49'47.06" E	Preservation	Refrigerated
Protocol Used	IS 10500- 2012 & APHA 23rd Edition 2017	Sample Quantity	2.0 litre
		Parameter Required	As per work order

TEST RESULTS

S No.	Parameters	Testing Protocol	Result	Unit	Limit of IS 10500- 2012	
					Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source
1	pH (at 25 °C)	IS 3025 (Part 11) 2017	7.57	-	6.5 to 8.5	No Relaxation
2	Odour	IS 3025 (Part 5) 2018	Agreeable	-	Agreeable	Agreeable
3	Taste	IS 3025 (Part 8) 2017	Unagreeable	-	Agreeable	Agreeable
4	Turbidity	IS 3025 (Part 10) 2017	BDL(DL 1.0)	NTU	1	5
5	Total Dissolved Solids	IS 3025 (Part 16) 2017	1472	mg/l	500	2000
6	Total Hardness as CaCO ₃	IS 3025 (Part 21) 2019	515.52	mg/l	200	600
7	Calcium as Ca	IS 3025 (Part 40) 2019	194.46	mg/l	75	200
8	Magnesium as Mg	IS 3025 (Part 46) 2019	7.28	mg/l	30	100
9	Alkalinity as CaCO ₃	IS 3025 (Part 23) 2019	347.83	mg/l	200	600
10	Nitrate as NO ₃ -N	IS 3025 (Part 34) 2019	6.05	mg/l	45	No Relaxation
11	Chloride as Cl ⁻	IS 3025 (Part 32) 2019	666.20	mg/l	250	1000
12	Sulphate as SO ₄ ⁻²	IS 3025 (Part 24) 2019	56.14	mg/l	200	400
13	Iron as Fe	IS 3025 (Part 53) 2019	0.18	mg/l	0.3	No Relaxation
14	Fluoride as F ⁻	APHA 23 rd Edition, 4500-F-1) 2017	0.81	mg/l	1.0	1.5
15	Sodium as Na	IS 3025 (Part 45) 2019	307.87	mg/l	--	--

End Report

Tested by
Tested by

Checked by
Checked by

Authorized Signatory
Authorized Signatory

Note

1. This test report has been prepared and test results pertain to the tested sample received.
2. This report is for your sole reference and not to be used for any legal purpose.
3. Any discrepancy in the test report or any remarks reported by the test results shall be referred to our knowledge within 7 days of the receipt of the report.
4. Total liability of any - which is used or disposed is limited to the exercise used by the laboratory.
5. The sample will be destroyed after retention for one unless otherwise specified specially.
6. Endorsement of the protocol tested by the laboratory, is neither referred nor implied.
7. Report shall not be re-prepare except with approval of the laboratory.
8. All disputes are subject to exclusive jurisdiction of Jaipur court only.

Reg. Office & Lab

42/1, Sector-10, Gandhinagar, Jaipur-302015
 Phone: 0141-2611111, 2611112, 2611113, 2611114, 2611115, 2611116, 2611117, 2611118, 2611119
 Fax: 0141-2611120, 2611121, 2611122, 2611123, 2611124, 2611125, 2611126, 2611127, 2611128, 2611129

Corporate Office

Emblem Road, Sector-10, Gandhinagar, Jaipur-302015
 Cell: 0141-2611111, 2611112, 2611113, 2611114, 2611115, 2611116, 2611117, 2611118, 2611119
 Gurgaon: 0124-4611111, 4611112, 4611113, 4611114, 4611115, 4611116, 4611117, 4611118, 4611119

हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

नॉर्मल सार्वजनिक प्रयोग: रोजसुद्ध ऑफिस - 17, जमशेदजी टाटा रोड, मुंबई - 400 020

HINDUSTAN PETROLEUM CORPORATION LIMITED

A GOVERNMENT OF INDIA ENTERPRISE | REGISTERED OFFICE: 17, JAMSHEDJI TATA ROAD, MUMBAI - 400 020

P.O.P. Project: Bhachau Pumping Station, Village - Vordh, Taluka - Bhachau, District - Kutch, Pin - 370 140 (Gujarat)
Ph: No 97122 36408

BIPS/DCM/02
07.09.2021

To,

The Regional Officer,
Gujarat Pollution Control Board,
Room No. 215-217, 2nd Floor,
Kandla Port Trust Administrative Building,
Gandhidham - 370201, Kutch

Kind Attention: GPCB Regional Officer (Kutch East)

Subject: Submission of Half Yearly Battery Return (Form VIII)

Respected Sir,

With reference to above subject, in this connection we are herewith submitting **Half Yearly Battery Return (Form VIII)** for bulk consumer of batteries for **Hindustan Petroleum Corporation Limited, Bhachau Pumping Station (GPCB ID- 57344, Consent Order No. AWH 38458)** for the period from **Sept'20 to March'21**. This is for your information and records.

We request you to kindly acknowledge the same and oblige.

Thanking You,

Very truly yours


Dinesh Chand Meena
Manager Operations
HPCL MDPL-Bhachau


Received
Gujarat Pollution Control Board
Regional Office
Kutch (East)

FORM-VIII

[see rule 10 (2) (ii)]

FORM FOR FILING RETURNS FOR BULK CONSUMER OF BATTERIES

[To be submitted by the bulk consumer to the State Board by 30th June (for the period October-March)

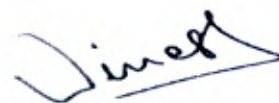
And 31st December (for the period April-September) every year]

1.	Name and Address of the bulk consumer	HINDUSTAN PETROLEUM CORPORATION LTD Bhachau Pumping Station Survey No.:423,424,425 Village –Vondh,Taluka-Bhachau,Dist- Kutchh,Gujarat-370140 Phone- 9712236408
2.	Name of the Authorized person and full address with telephone and fax number	Dinesh Chand Meena A-1, HPCL Officer's Colony, Apnanagar, Gandhidham- 370201 Phone- 9413062897
3.	Number of new batteries of different categories purchased from the manufacturer/importer/dealer or any other agency during October-March and April-September Category : (i) Automative (a) four wheelers (b) two wheelers (ii) Industrial (a) UPS (b) Motive Power (c) Stand-by (iii) Others	NIL (i) No. of Batteries (ii) Approximate weight (in Metric Tonnes)
4.	Number of used batteries of categories mentioned in Sl. No. 3 and Tonnage of scrap sent to manufacturer/ dealer/ importer/ registered recycler/ or any other agency to whom the used batteries scrap was sent*.	NIL

* Enclose list of manufacture/dealer/importer/registered recyclers/or any other agency to whom the used batteries scrap was sent.

Place: Bhachau

Date : 07.09.2021



Signature of the authorized person

हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड, 17, जमशेदजी टाटा रोड, मुंबई - 400 020

HINDUSTAN PETROLEUM CORPORATION LIMITED

GOVERNMENT OF INDIA (ENTERPRISE) REGISTERED OFFICE - 17, JAMSHEDJI TATA ROAD, MUMBAI - 400 020

Location: Bhachau Pumping Station, Village - Vondh, Taluka - Bhachau, District - Kutch, Pin - 370 140 (Gujarat)
Ph. No 97122 36408

BIPS/DCM/02
07.09.2021

To,
Regional Pollution Control Board
Room No. 215/21, Gandhinagar,
Kandla Post, District Administrative Building,
Gandhidham - 370 001, Kutch

Kind Attention: Senior Regional Officer (Kutch)

Subject: Submission of Environmental Statement Form No. V for financial year 2020-21

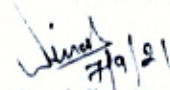
Respected Sir,

With reference to above subject, in this context we are hereby submitting **Environmental Statement** (Form No. V) along with the necessary details to the Gujarat Pollution Control Board, HCL MDPL, Bhachau Pumping Station (PCB ID: 52102, Consent Order No. 27002/058).

Hope the above details are as per your requirements.

Thanking you,

Very truly yours



Dinesh Chand Meena
Manager Operations
HCL MDPL-Bhachau


Received
Gujarat Pollution Control Board
Regional Office
Kutch (East)

FORM — V
(See Rule 14)

From

HINDUSTAN PETROLEUM CORPORATION LIMITED
Bhachau Pumping Station Survey No.: 423,424,425
Village- Vondh, Taluka-Bhachau, Dist.-Kutchh, Gujarat- 370140

To

Gujarat Pollution Control Board, Room No. 215-217, 2nd Floor,
Kandla Port Trust Administrative Building, Gandhidham - 370201, Kutch.

Environmental Statement for the financial year ending on 31 March 2020

PART-A

1. Name and address of the owner/ occupier of the industry operation or process : Dinesh chand Meena
: HPCL Officer's Colony, Opp. Nehru Park,
Apanagar, Gandhidham, Gujarat - 370201

Industry Category -

2. Primary — (STC Code) : --L.S.I--
Secondary — (STC Code)
3. Production capacity Units : **Only an Intermediate Pumping Station**
4. Year of Establishment : **2019**
5. Date of the Last Environmental Statement Submitted : 26.06.2020

*Submission of Environmental Statement is in accordance with the provision of rule -14 of the Environment(Protection).Amendment Rules,1993 of the Environment(protection) Act,1986(29 of 1986) published vide Notification dated 22-4-1993 G.S.R 386(E) in the Gazette of india-Extraordinary-Part-II section-3 Subsection(i),No.155 dated 28-04-1993 by the Ministry Of Environment and Forests, Government Of India; Read with the Notification Dated 13-2-1193 G.S.R 329(E) Of The Gazette of india-Extraordinary-Part-II section-3 Subsection(i),No.120 dated 13-3-1993.

"Every person carrying on an industry, operation or process requiring consent under Section-25 of the water (Prevention & Control of Pollution) Act, 1974 (6 of 1974) or under Section-21 of the Air (Prevention & Control of Pollution) Act,1981 (14 of 1981) or both authorization under the hazardous Wastes(Management & Handling)Rules,1989 Published under the Environ(Protection) Act,1986(29 Of 1986) shall submit an Environmental Statement for the Financial year ending the31st March in Form V to the concerned State Pollution Control Board on or Before the Thirtieth day of September every year, beginning 1993."

PART-B

Water and Material Consumption

- 1) Water Consumption m³/day
 - a) Process (other)-0.033KL/day (For Fire Fighting at Location)
 - b) Cooling-Nil
 - c) Domestic-1.967 KL/day

Name of Product	Process water Consumption per Unit Of Product Output	
	During the Previous Financial Year	During the Current Financial Year
Nil (This is only an Intermediate pumping station)	NIL	NA

2) Raw Material Consumption

Name Of Raw Material	Name of Product	Process water Consumption per Unit Of Product Output	
		During the Previous Financial Year	During the Current Financial Year
NA	NA	NA	NA

Industry may use codes if disclosing details of raw material would violate contractual obligation, otherwise all industries have to name the raw material used.

PART-C

**Pollution Discharged to Environment / unit of output
(Parameter as specified in the Consent issued)**

Pollutants	Quantity of Pollutant Discharged (mass /Day)	Concentration of Pollutant Discharge (mass / Volume)	Percentage of variation From Prescribed Standards With reasons
A) Water	NA	NA	NA
b) Air	Within GPCB Norms	Within GPCB Norms	NIL

PART-D

HAZARDOUS WASTES

[As specified under Hazardous Wastes (management and handling) Rules, 1989]

Hazardous Wastes	Total Quantity (Kg.)	
	During the Previous Financial Year	During the Current Financial Year
a) From Process	NIL	NIL
b)From Pollution Control Facilities	NIL	NIL

**PART-E
SOLID WASTES**

Hazardous Wastes	Total Quantity (Kg.)	
	During the Previous Financial Year	During the Current Financial Year
a) From Process	NIL	NIL
b) From Pollution Control Facilities	NIL	NIL
C) (1) Quantity Recycled or reutilized within the unit	NA	NA
(2) Sold	NA	NA
(3) Disposed	NA	NA

PART-F

Please Specify the Characterization (in terms of composition and quantum) of Hazardous as Well as Solid and indicate disposal practice adopted for both these categories of wastes.

- NIL SOLID WASTE GENERATION
- NIL Hazardous Waste generation

PART-G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

NOT APPLICABLE

PART-H

Additional Measures and investment Proposal for environmental protection including abatement of Pollution / prevention of pollution.

NOT APPLICABLE

PART-I

Any other Particulars for improving the quality of environment.

NOT APPLICABLE



DATE- 06.09.2021

(Signature of person carrying out an industry-operation or process)

Name : Dinesh Chand Meena
 Designation : Manager- Operations
 Address : A-1, HPCL Officer's Colony, Apananagar,
 Gandhidham - 370201

Water consumption in HPCL MDPL		
Month	Domestic Water Consumption (KL)	Water Consumed in fire Fighting (KL)
April, 2020	58	1
May, 2020	56	1
June, 2020	57	1

July, 2020	59	1
August, 2020	57	1
September, 2020	58	1
October, 2020	59	1
November, 2020	58	1
December, 2020	56	1
January, 2021	58	1
February, 2021	59	1
March, 2021	59	1
Consumption per Day	1.967	0.033



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड
(पब्लिक लिमिटेड कंपनी) रजिस्टर्ड ऑफिस - 17, जगशेवजी टाटा रोड, मुंबई - 400 020.
HINDUSTAN PETROLEUM CORPORATION LIMITED

REGD. OFFICE: 17, JAGSHREEJI TATA ROAD, MUMBAI - 400 020

मुद्रा-दिल्ली पाइपलाइन, सान्तलपुर आई.पी. स्टेशन, राधनपुर, सान्तलपुर-385350 पटान जिला, गुजरात

दुस्फोन : 9925106860

Mundra Delhi Pipeline, Santalpur I.P. Station, Via Radhanpur, Santalpur-385350 Patan Dist. Gujarat
Phone : 9925106860

पत्र सं. 2021-22/जी.पी.सी.बी./02

दिनांक: 19.10.2021

प्रति,

क्षेत्रीय अधिकारी,

गुजरात प्रदूषण नियंत्रण बोर्ड,

जिला सेवा सदन-2, जोशवर पैलेस, तीसरी मंजिल,

पालनपुर, गुजरात - 385001

विषय: अर्धवार्षिक बैटरी रिटर्न (फॉर्म - VIII) जमा करवाने बाबत

श्रीमान,

हमारा कार्यालय हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड की 1054 किमी लम्बी मूद्रा - दिल्ली पाइपलाइन का परिचालन करता है। इस पाइपलाइन द्वारा दिल्ली NCR सहित मध्य एवं उत्तर भारत में कई प्रदेशों में आवश्यक वस्तुओं जैसे डीजल, पेट्रोल एवं केरोसीन की निरंतर आपूर्ति की जाती है। यह पाइपलाइन पेट्रोलियम एवं गैसों का पाइपलाइन परिवहन का एक के प्रमुख साधन है। भारत के प्रदेशों में आवश्यक पेट्रोलियम उत्पादों की आपूर्ति हेतु उत्पत्ती हुई है।

वित्त वर्ष 2021-22 के अप्रैल 2021 से सितंबर 2021 तक की अवधि के लिए HPCL, MDPL, सांतलपुर आई. पी. स्टेशन (GPCB ID 10-26943) की तरफ से बैटरी के शोक उपभोग के तौर पर अर्धवार्षिक बैटरी रिटर्न (फॉर्म VIII) की प्रतिलिपि आपके रिकॉर्ड एवं आवश्यक कार्रवाई हेतु संलग्न है।

सहज्यवाद

आपका

रमेश बी. यादव
मुख्य स्टेशन प्रबंधक

संलग्नक

1. अर्धवार्षिक बैटरी रिटर्न (फॉर्म VIII) की प्रतिलिपि

FORM - VIII

[See rule 10 (2) (ii)]

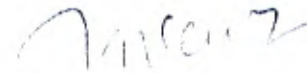
FORM FOR FILING RETURNS FOR BULK CONSUMER OF BATTERIES

For the period March 2020 to September 2021

1.	Name and Address of the bulk consumer	M/s. Hindustan Petroleum Corporation Ltd., Mundra Delhi Pipe Line Santalpur I P Station, Santalpur, District-Patan, Gujarat-385350, Phone-09925106860
2.	Name of the Authorized person and full address with telephone and fax number	Ramesh B. Yadav Mundra Delhi Pipeline, Santalpur I. P. Station Via Radhanpur (385350) Santalpur-385350, District- Patan, Gujarat. Phone-09925106860
3.	Number of new batteries of different categories purchased from the manufacturer/importer/dealer or any other agency during April 2021 to September 2021. Category: (i) Automotive (a) four wheelers (b) two wheelers (ii) Industrial (a) UPS (b) Motive Power (c) Stand-by (iii) Others	Nil
4.	Number of used batteries of categories mentioned in Sl. No. 3 and Tonnage of scrap sent to manufacturer/ dealer/ importer/ registered recycler/ or any other agency to whom the used batteries scrap was sent*	Nil

* Enclose list of manufacture/dealer/importer/registered recyclers/or any other agency to whom the used batteries scrap was sent.

Place: Santalpur, Gujarat
Date: 19.10.2021



Signature of the authorized person

Officer making bag
भारतीय डाक

15

POSTAL ORDER NO. 198/2010/2021, 12/21
RC SANTALPUR 00 4385001
Counter No. 12/20/10/2021, 12/21



आर.पी. 64/
R. P. - 54

भारतीय डाक विभाग
DEPARTMENT OF POSTS - INDIA
प्राप्ति स्वीकृति / ACKNOWLEDGEMENT



अनावश्यक को काट दिया जाए
Strike out if not relevant

रजिस्ट्री-पत्र/पार्सल प्राप्त हुआ

Received Registered Letter/Parcel

क्रमांक/No.	तारीख/Dated	का/of
-------------	-------------	-------

• बीमे का मूल्य रुपयों में

• Insured for Rupees

पाने वाले The Regional Officer, G.P.C.B.

Addressed to J.I.A. Sewa Sadan - 2

Jawahar Place, 3rd Floor,

को/On PALANPUR - 385001,

Guswaha.

वितरण डाकघरकी तारीख-मोहर

Date stamp of office of delivery

हस्ताक्षर और नाम/Signature and Name

DATE



J.M. ENVIROLAB PVT. LTD.



Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number: **JME/SIPS/ST/01** Report No.: **JME/ST/210818031**
 Name & Address of Unit: **M/s. Hindustan Petroleum Corporation Limited** Format No.: **7.5 F-03**
Santalpur Intermediate & Pumping Station Party Reference No: **Nil**
Mundra Delhi Pipeline, Near Hotel Nagraj, Reporting Date: **23/08/2021**
Mundra District-Kutch, Gujarat-370421 Receipt Date: **18/08/2021**
 Sample Description: **STACK EMISSION MONITORING**

Client Representative (Name & Designation): **Mr. Nirmal (Site Incharge)**
 Sample collected by: **Mr. Kamal Kumar (Field Analyst)**
 Date of Sampling & Time: **15/08/2021 (10:30 to 11:30 Hrs)**
 Sampling Location & Code: **SV 07 (DG Set 25 KVA)**
 Sampling duration (Minutes): **60 min.**
 Stack attached to: **DG Set**
 Diameter of stack: **76.2 mm**
 Height of stack:
 i) From the source of emission: **-**
 ii) From roof level: **-**
 iii) From Ground level: **6 Meter**
 Operating Schedule (This day): **As per Requirement**
 Purpose of Monitoring: **Regulatory Requirement**
 Control Measure if Any:
 Operating condition at the time of Sampling: **On Load**
 Type of Fuel Use: **HSD**
 Meteorological Condition: **Clear Sky**
 Instrument used: **JME/SMK/01/05**
 Instrument calibration status: **Calibrated**
 Ambient Temperature - Ta (°C): **34.0**
 Temperature of Stack Gases - Ts (°C): **98.0**
 Velocity of Stack Gases (m/sec): **9.89**
 Flow rate of PM (LPM): **33.0**
 Flow rate of Gas (LPM): **2.0**
 Volumetric Flow (NM³/Hr): **-**
 Sampling condition: **Isokinetic**
 Sampling & Analysis Protocol: **IS-11255 & CPCB Guidelines**
 Parameter Requirement: **As per work order**

TEST RESULTS

S. No.	Parameters	Protocol	Result	Unit	Limit
1	Particulate Matter (PM)	IS-11255(P-1) Gravimetric Method	0.06	g/kW-hr	0.3
2	Oxides of Nitrogen (NOx)	IS-11255 (P-V1) PDA Method	0.52	g/kW-hr	4.7
3	Sulphur Dioxide (SO ₂)	IS-11255 (P-V1) Titrimetric Method	0.15	g/kW-hr	--
4	Carbon Monoxide (CO)	IS-13270:1992	0.23	g/kW-hr	3.5

*** End of Report ***

Singh Ram Yadav
Tested by

Rajat Tandon
Checked by

Raj Kumar Yadav
Authorized Signatory

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Reg. Office & Lab.

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TEST REPORT

Sample Number	JME/SIPS/ST/05	Report No :	JME/ST/210818034
Name & Address of Unit	M/s. Hindustan Petroleum Corporation Limited Santalpur Intermediate & Pumping Station Mundra Delhi Pipeline, Near Hotel Nagraj, Mundra District-Kutch. Gujarat-370421	Format No.	7.5 F-03
		Party Reference No.	Nil
		Reporting Date	23/08/2021
		Receipt Date	18/08/2021

Sample Description **STACK EMISSION MONITORING**

Client Representative (Name & Designation)	Mr. Nirmal (Site Incharge)
Sample collected by	Mr. Mukesh Gurjar (Field Analyst)
Date of Sampling & Time	15/08/2021 (16:00 to 17:00 Hrs)
Sampling Location & Code	Fire Engine
Sampling duration (M:minutes)	60 min.
Stack attached to	Fire Engine-B
Diameter of stack	150 mm
Height of stack	
(i) From the source of emission	
(ii) From roof level	-
(iii) From Ground level	6 Meter
Operating Schedule (if this day)	As per Requirement
Purpose of Monitoring	Regulatory Requirement
Control Measure if Any	
Operating condition at the time of Sampling	On Load
Type of Fuel Use	HSD
Meteorological Condition	Clear Sky
Instrument Code	JME/SMK/01/05
Instrument calibration status	Calibrated
Ambient Temperature - Ta (°C)	34.0
Temperature of Stack Gases - Ts (°C)	182.0
Velocity of Stack Gases (m/sec)	18.23
Flow rate of PM (LPM)	21.0
Flow rate of Gas (LPM)	2.3
Volumetric Flow (NM ³ /Hr)	--
Sampling condition	Isokinetic
Sampling & Analysis Protocol	IS-11255 & CPCB Guidelines
Parameter Required	As per work order

TEST RESULTS

S. No	Parameters	Protocol	Result	Unit	Limit
1	Particulate Matter (PM)	IS-11255(P-1) Gravimetric Method	56.40	mg/Nm ³	150
2	Oxides of Nitrogen (NOx)	IS-11255 (P-VI) PDA Method	90.76	mg/Nm ³	--
3	Sulphur Dioxide (SO ₂)	IS-11255 (P-III) Titrimetric Method	32.45	mg/Nm ³	--
4	Carbon Monoxide (CO)	IS-13270-1992	0.03	%	1

***** of Report*****

Sita Ram Yadav
Tested by

Rajkumar Yadav
Checked by

Rajkumar Yadav
Authorized Signatory

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TEST REPORT

Sample Number:	JME/SIPS/A/02	Report No.:	JME/A/210818012
Name & Address of Unit:	M/s. Hindustan Petroleum Corporation Limited Santalpur Intermediate & Pumping Station Mundra Delhi Pipeline, Near Hotel Nagraj, Mundra District-Kutch. Gujarat-370421	Format No.:	7.5 F-02
		Party Ref. No.	Nil
		Reporting Date:	21/08/2021
Sample Description:	Ambient Air Quality Monitoring	Receipt Date:	18/08/2021

General Information

Client Representative (Name & Designation):	Mr. Nirmal (Site Incharge)
Sample collected by (Name & Designation):	Mr. Kamal Kumar (Field Co-ordinator)
Sampling Location:	Near Main Gate
Latitude:	23°45'51.53" N
Longitude:	71°11'02.39" E
Instrument used:	Combo Sampler
Instrument code:	JME/Combo/01
Instrument calibration status:	Calibrated
Meteorological condition during monitoring:	Clear Sky
Date of Monitoring:	15/08/2021 to 16/08/2021
Time of Monitoring:	19:00 to 4:00 Hrs
Actual duration of Monitoring. (minutes):	480 min
Ambient Temperature (0C):	Max 30°C, Min 25°C
Surrounding activity:	Human & Vehicular Activities
Control measure if Any:	--
Sampling & Analysis Protocol:	IS-5182
Parameter Required:	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit	NAAQS
1	Particulate Matter (PM2.5)	IS:5182 (P-24): 2019	32.44	µg/m ³	60
2	Particulate Matter (PM10)	IS 5182 (P-23): 2017	64.57	µg/m ³	100
3	Nitrogen Dioxides (NO2)	IS: 5182 (P-6) 2017	18.04	µg/m ³	80
4	Sulphur Dioxide (SO2)	IS 5182 (P-2) 2017	10.00	µg/m ³	80

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

End of Report

Siddharth
Siddharth

Tested by

Rajendra
Rajendra

Checked by

Rajendra
Rajendra

Authorized Signatory

Note:

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- Total liability of any claim, loss or damage is limited to the invoice value of the test report.
- The sample will be destroyed after the test is completed unless otherwise specified in writing.
- Endorsement of the report attested by the laboratory is on the letter to be supplied.
- Report shall not be reproduced except in full without approval of the laboratory.
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Reg. Office & Lab.

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TEST REPORT

Sample Number:	JME/SIPS/A/05	Report No.:	JME/A/210818015
Name & Address of Unit:	M/s. Hindustan Petroleum Corporation Limited Santalpur Intermediate & Pumping Station Mundra Delhi Pipeline, Near Hotel Nagraj, Mundra District-Kutch. Gujarat-370421	Format No.:	7.5 F-02
		Party Ref. No.	Nil
Sample Description:	Ambient Air Quality Monitoring	Reporting Date:	21/08/2021
		Receipt Date:	18/08/2021

General Information

Client Representative (Name & Designation)	Mr. Nirmal (Site Incharge)
Sample collected by (Name & Designation)	Mr. Kamal Kumar (Field Co-ordinator)
Sampling Location	SV-09
Latitude	23°51'47.60" N
Longitude	71°26'14.09" E
Instrument used	Combo Sampler
Instrument code	JME/Com-Samp/01
Instrument calibration status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	16/08/2021 to 16/08/2021
Time of Monitoring	10:30 to 18:30 Hrs
Actual duration of Monitoring. (minutes)	480.0 Min
Ambient Temperature (0C)	Max 33.0°C, Min 28.0°C
Surrounding activity	Human & Vehicular Activities
Control measure if Any	--
Sampling & Analysis Protocol	IS-5182
Parameter Required	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit	NAAQS
1	Particulate Matter (PM2.5)	IS 5182 : (P-24): 2019	33.24	µg/m ³	60
2	Particulate Matter (PM10)	IS 5182, (P-23): 2017	67.00	µg/m ³	100
3	Nitrogen Dioxides (NO2)	IS 5182, (P-6): 2017	18.21	µg/m ³	80
4	Sulphur Dioxide (SO2)	IS: 5182 (P-2): 2017	9.70	µg/m ³	80

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

End of Report

(Signature)
Tested by
 Tara Ram Yadav

(Signature)
Checked by

(Signature)
Authorized Signatory
 Kumar Yadav

Note

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TEST REPORT

Sample Number: JME/SIPS/W/02
 Name & Address of Unit: M/s. Hindustan Petroleum Corporation Limited, Santalpur Intermediate & Pumping Station, Mundra Delhi Pipeline, Near Hotel Nagraj, Mundra District-Kutch, Gujarat-370421
 Report No.: JME/W/210818061
 Format No.: 7.5 F-01
 Party Reference: Nil
 Sample Description: WATER (Supply Water)
 Sample Location: SIPS
 Reporting Date: 24/08/2021
 Client Representative (Name & Designation): Mr. Nirmal (Site Incharge)
 Receipt Date: 18/08/2021
 Sampling Date: 15/08/2021
 Sample collected by (Name & Designation): Mr. Kamal Kumar (Field Co-ordinator)
 Sampling Type: Grab
 Preservation: Refrigerated
 Sample Quantity: 2.0 litre
 Parameter Required: As per work order
 Latitude: 23°45'52.15" N
 Longitude: 71°11'00.94" E
 Protocol Used: IS 10500- 2012 & APHA 23rd Edition 2017

TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Result	Unit	Limit of IS 10500- 2012	
					Requirement Acceptable Limit	Permissible Limit in to the Absence of the Alternate Source
1	pH (at 25 °C)	IS 3025 (Part 11) 2017	7.64	-	6.5 to 8.5	No Relaxation
2	Odour	IS 3025 (Part 5) 2018	Agreeable	-	Agreeable	Agreeable
3	Taste	IS 3025 (Part 8) 2017	Agreeable	-	Agreeable	Agreeable
4	Turbidity	IS 3025 (Part 10) 2017	BDL(DL 1.0)	NTU	1	5
5	Total Dissolved Solids	IS 3025(Part 16) 2017	786.0	mg/l	500	2000
6	Total Hardness as CaCO ₃	IS 3025 (Part 21) 2019	186.64	mg/l	200	600
7	Calcium as Ca	IS 3025 (Part 40) 2019	39.29	mg/l	75	200
8	Magnesium as Mg	IS 3025 (Part 46) 2019	21.53	mg/l	30	100
9	Alkalinity as CaCO ₃	IS 3025 (Part 23) 2019	302.31	mg/l	200	600
10	Nitrate as NO ₃ -N	IS 3025 (Part 34) 2019	4.36	mg/l	45	No Relaxation
11	Chloride as Cl	IS 3025 (Part 32) 2019	276.25	mg/l	250	1000
12	Sulphate as SO ₄	IS 3025 (Part-24) 2019	55.21	mg/l	200	400
13	Iron as Fe	IS:3025 (Part-53) 2019	0.22	mg/l	0.3	No Relaxation
14	Fluoride as F	APHA 23rd Edition 4500-F- D 2017	0.71	mg/l	1.0	1.5
15	Sodium as Na	IS 3025 (Part 45) 2019	149.0	mg/l	---	---

End Report

Deep
(Deep)
 Tested by

Deep
 Checked by

Deep
 Rajkumar Yadav
 Authorized Signatory

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TEST REPORT

Sample Number:	JME/PRPS/A/01	Report No.:	JME/A/210819025
Name & Address of Unit:	M/s. Hindustan Petroleum Corporation Limited Palanpur Receiving & Pumping Station, Mundra Delhi Pipeline, Behind GIDC, On Chandisar Mota Road, Village- Chandisar, Palanpur, District- Banaskantha, Gujarat- 385510	Format No.:	7.5 F-02
		Party Reference No.	Nil
		Reporting Date:	23/08/2021
Sample Description	Ambient Air Quality Monitoring	Receipt Date:	19/08/2021

General Information

Client Representative (Name & Designation)	Mr. Parteek Kumar Sharma (Site Incharge)
Sample collected by (Name & Designation)	Mr. Kamal Kumar (Field Co-ordinator)
Sampling location	SV-12
Latitude	24°02'24.00" N
Longitude	72°02'56.90" E
Instrument used	Combo Sampler
Instrument code	JME/Combo/01
Instrument calibration status	Calibrated
Meteorological condition during monitoring	Clear Sky
Date of Monitoring	18/08/2021 to 18/08/2021
Time of Monitoring	11:30 to 19:30 Hrs
Actual duration of Monitoring, (minutes)	480.0
Ambient Temperature (°C)	Max 40°C, Min 32°C
Surrounding activity	Human & Vehicular Activities
Control measure if Any	--
Sampling & Analysis Protocol	IS-5182
Parameter Required	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit	NAAQS
1	Particulate Matter (PM2.5)	IS 5182 (P-24) 2019	33.51	µg/m ³	60
2	Particulate Matter (PM10)	IS-5182, (P-23) 2017	65.20	µg/m ³	100
3	Nitrogen Dioxides (NO2)	IS 5182 (P 6) 2017	14.27	µg/m ³	80
4	Sulphur Dioxide (SO2)	IS 5182, (P-2) 2017	8.20	µg/m ³	80

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

End of Report

[Signature]
Siddharth Vaidya

Tested by

[Signature]
Rajat Tandon

Checked by



Rajkumar Yadav
Authorized Signatory

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Emami, D. No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000



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Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number	JME/PRPS/PS/01	Report No	JME/PS/210819001
Name & Address of Unit	M/s. Hindustan Petroleum Corporation Limited Palanpur Receiving & Pumping Station, Mundra Delhi Pipeline, Behind GIDC, On Chandisar Mota Road, Village- Chandisar, Palanpur, District- Banaskantha, Gujarat- 385510	Format No	7.5 F-04
		Party Reference No	Nil
		Reporting Date	23/08/2021
Sample Description	POINT SOURCE MONITORING	Receipt Date	19/08/2021

General Information

Client Representative (Name & Designation)	Mr. Parteek Kumar Sharma (Site Incharge)
Sample collected by (Name & Designation)	Mr. Kamal Kumar (Field Co-ordinator)
Sampling Location	DG Set (250 KVA)
Latitude	24°12'50.51" N
Longitude	72°18'12.40" E
Instrument used	Sound Level Meter
Instrument code	JME/SLM/01/15
Instrument calibration status	Calibrated
Metereological condition during monitoring	Clear Sky
Date of Monitoring	17/08/2021
Time of Monitoring	14:00 to 14:30Hrs
Ambient Temperature (0°C)	34.0
Surrounding activity	DG Running Activities
Purpose of Monitoring	Regulatory Requirement
Control measure	--
Sampling & Analysis Protocol	IS-4758:1968
Actual duration of Monitoring (minutes)	30 min
Parameter Required	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Test Results	Unit
1	Leq (Open Acoustic Enclosure)	IS-4758:1968	92.8	dB(A)
2	Leq (Close Acoustic Enclosure)	IS-4758:1968	67.5	dB(A)
3	Insertion Loss	--	25.3	dB(A)
4	Limits (as per CPCB)	--	75	dB(A)

*Acoustic enclosure shall be designed for minimum 25 dB (A) insertion loss under Environment (Protection) act, 1986

End of Report

Sita Rani Yadav
Tested by

Rajat Tandon
Checked by



Rajkumar Yadav
Authorized Signatory

Note

- This test report has been at your request and test results pertain to the tested sample only.
- This report is for your reference only and not to be used for any legal purpose.
- Any discrepancy in the test report or any remarks regarding the test results shall be brought to our knowledge within 7 days of the issue of this report.
- Total liability of any claim or case of disputes is limited to the fee paid to the laboratory.
- The sample will be destroyed after retention time unless otherwise specified in the report.
- Endorsement of the product made by the laboratory is neither intended nor implied.
- Report shall not be reproduced except in full without approval of the laboratory.
- All disputes are subject to exclusive jurisdiction of Jaipur court only.

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TEST REPORT

Sample Number	JME/PRPS/ST/04	Report No.	JME/ST/210819013
Name & Address of Unit	M/s. Hindustan Petroleum Corporation Limited Palanpur Receiving & Pumping Station, Mundra Delhi Pipeline, Behind GIDC, On Chandisar Mota Road, Village- Chandisar, Palanpur, District- Banaskantha, Gujarat- 385510	Format No.	7.5 F-03
		Party Reference No.	Nil
		Reporting Date	23/08/2021
Sample Description	STACK EMISSION MONITORING	Receipt Date	19/08/2021
Client Representative (Name & Designation)		Mr. Parteek Kumar Sharma	
Sample collected by		Mr. Mukesh Gurjar (Field Analyst)	
Date of Sampling & Time		17/08/2021 (09:00 to 10:00 Hrs)	
Sampling Location & Code		SV-15 (DG Set 25 KVA)	
Sampling duration (Minutes)		60 min.	
Stack attached to		DG Set	
Make of Stack		Iron	
Diameter of stack		76.2mm	
Height of stack			
i) From the source of emission		-	
ii) From roof level		-	
iii) From Ground level		4.0m	
Operating Schedule (Hrs/day)		As per Requirement	
Purpose of Monitoring		Regulatory Requirement	
Operating condition at the time of Sampling		On Load	
Type of fuel used		HSD	
Meteorological Condition		Clear Sky	
Instrument Code		JME/SMK/01/05	
Instrument calibration status		Calibrated	
Ambient Temperature - Ta (°C)		41.0	
Temperature of Stack Gases - Ts (°C)		95.0	
Velocity of Stack Gases (m/sec)		11.40	
Flow rate of PM (LPM)		39.0	
Flow rate of Gas (LPM)		2.0	
Volumetric Flow (NM ³ /hr)		--	
Sampling condition		Isokinetic	
Sampling & Analysis Protocol		IS-11255 & CPCB Guidelines	
Parameter Required		As per work order	

TEST RESULTS

S. No.	Parameters	Protocol	Result	Unit	Limit
1	Particulate Matter (PM)	IS-11255 (P-I) Gravimetric Method	0.09	g/kW-hr	0.3
2	Oxides of Nitrogen (NOx)	IS-11255 (P-VII) PDA Method	0.67	g/kW-hr	4.7
3	Sulphur Dioxide (SO ₂)	IS-11255 (P-II) Titrimetric Method	0.20	g/kW-hr	--
4	Carbon Monoxide (CO)	IS-13270:1992	0.27	g/kW-hr	3.5

Note: Limit as per Environment (Protection) Rules, 1986

End of Report

Rajat Tandon
Rajat Tandon
Checked by

Rakumar Yadav
Rakumar Yadav
Authorized Signatory

Tested by

Note:

- This test report has been prepared at your request and test results pertain to the tested sample received.
- This report is for your reference only and not to be used for any legal purpose.
- Any discrepancy in the test report or any remarks regarding the test results shall be brought to our knowledge within 7 days of the issue of this report.
- Total liability on any claim in case of dispute is limited to the invoice raised by the laboratory.
- The sample will be destroyed after refection time unless otherwise specified specially.
- Endorsement of the product tested by the laboratory is neither given nor implied.
- Report shall not be reproduced except in full without approval of the laboratory.
- All disputes are subject to exclusive jurisdiction of Jaipur court only.

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