

DFPCL-K1/EHS/Env/2021-22/3

Date: 24-May-21

**Additional Principal Chief Conservator of Forest (C),
Ministry of Environment, Forest & Climate Change,
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariate Building, Civil Lines
Nagpur – 440 001, Maharashtra.**

Reference:

1. EC granted for Gas Based Power Project vide file no. (SEAC-2010/CR.656/TC.2 dt 11.05.2011).

Sub: Half yearly Environmental Clearance Compliance report.

Dear Sir,

Please find enclosed the half yearly EC compliance report of **Gas Based Power plant** for the period of **October-2020 to March -2021**.

This is for your information and records please.

Thanking you,

Yours faithfully,

For, DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD.,



DEEPAK PANDE
Head (EHS)

CC :

1. SRO, MPCB, Raigad Bhavan, 7th Floor, Sector-11, CBD-Belapur, Navi Mumbai – 400614.
2. Ministry of Environment, Forest, 1st Floor, New Administrative Building, Mantralaya, Mumbai – 400032.



DEEPAK FERTILISERS
AND PETROCHEMICALS
CORPORATION LIMITED

3. CPCB Parivesh Bhawan, Opp. VMC Ward Office No. 10, Shubhanpura, Vadodara, Gujarat 390023.

FACTORY : Plot K-1, MIDC Industrial Area, Taloja 410 208, Dist. RAIGAD
Tel : + 91 22 6768 4000 Fax : + 91 22 2741 2413

CORPORATE OFFICE : Sai Hira, Survey No. 93, 25 / A1 and 25 / B1, CTS - 1130, Mundawa Ghorpadi Road, Mundawa, Pune - 411 036
Tel. : + 91 20 6645 8000 Web : www.dfpc.com

CIN : L24121MH1979PLCO21360

DATA SHEET		
1	Project type: River - valley/ Mining / Thermal/ Industry / Nuclear/ Other (specify)	Gas Based Power Project
2	Name of the project	Gas based power project (2 X 5.2 MW and 1 X 7.5 MW) at their manufacturinf facility at MIDC, Taloja,Maharashtra by Deepak Fertilisers & Petrochemicals Corporation Limited
3	Clearance letter (s) /OM No. and Date	EC granted for Gas Based Power Project vide file no. (SEAC-2010/CR.656/TC.2 dt 11.05.2011).
4	Location	
	a. District (S)	Raigad
	b. State (S)	Maharashtra
	c. Latitude/longitude	19°04'11.3"N/73°08'04.1"E
5	Address for correspondence	
	a. Address of Concerned Project Chief Engineer (with pin code & Telephone/ telex/ fax numbers	Mr. Deepak Pande (Sr.GM-EHS), M/s Deepak Fertilisers & Petrochemicals Corporation Ltd. Plot No. K-1, MIDC Industrial area, Taloja, District Raigad – 410208, Maharashtra. Phone: - 022-50684221, 9920942161
	b. Address of Executive Project: Engineer/Manager (with pincode/ Fax numbers)	Same as above
6	Salient features	
	a. of the project	Gas Based Power Project for power generation for internal use.
	b. of the environmental management plans	Gas Turbine inbuilt technology for NOx reduction. Periodic Environmental Monitoring for Ambient Air, Noise & Ground water
7	Break up of the project area	
	a. submergence area forest & non forest	NA, (MIDC Land)
	b. Others	NA
8	Break up of the project affected Population with enumeration of Those losing houses/dwelling units Only agricultural land only, both Dwelling units & agricultural Land & landless labourers/artisan	NA, (MIDC Land)
	a. SC, ST/Adivasis	NA, (MIDC Land)
	b. Others (Please indicate whether these Figures are based on any scientific And systematic survey carried out Or only provisional figures, it a Survey is carried out give details And years of survey)	NA
9	Financial details.	
	a. Project cost as originally planned and subsequent revised estimates and the year of price reference	79 Crores
	b. Allocation made for environmental management plans with item wise and year wise Break-up.	Yes. Year 2020-21 for Plot K-1 to K-8. 1)Rs. 5 lakhs forInstallation of Weather Monitoring Station 2)Rs. 41 lakhs for Plantation and Maintenance of Tree plantation 3)Rs. 40 lakhs for Adequacy study for ETP and APCD 4)Rs. 27 lakhs for ETP1 improvements 5)Rs. 8 lakhs for AMC for CEMS 6)Rs. 0.5 lakhs for AMC for AAQMS 7)Rs. 0.7 lakhs AMC for PM Analyzer 8)Rs. 1.5 lakhs for Spare for CFB CEMS Analyser 9)Rs. 13 lakhs for Spare of CEMS 10)Rs. 16 lakhs for Spare for AAQMS
	c. Benefit cost ratio/Internal rate of Return and the year of assessment	-
	d. Whether (c) includes the Cost of environmental management as shown in the above.	Yes
	e. Actual expenditure incurred on the project so far.	-
	f. Actual expenditure incurred on the environmental management plans so far	-
10	Forest land requirement	
	a. The status of approval for diversion of forest land for non-forestry use	NA, (MIDC Land)
	b. The status of compensatory afforestation program in the light of actual field experience so far	NA, (MIDC Land)
11	The status of clear felling in Non-forest areas (such as submergence area of reservoir, approach roads), it any with quantitative information	NA, (MIDC Land)
12	Status of construction	
	a. Date of commencement (Actual and/or planned)	Year 2011
	b. Date of completion (Actual and/of planned)	10 December 2012
13	Reasons for the delay if the Project is yet to start	NA
14	Dates of site visits	
	a. The dates on which the project was monitored by the Regional Office on previous Occasions, if any	NA
	b. Date of site visit for this monitoring report	NA
15	Details of correspondence with Project authorities for obtaining Action plans/information on Status of compliance to safeguards Other than the routine letters for Logistic support for site visits)	NA

Environment Clearance for Gas Based Power Project (SEAC-2010/CR.656/TC.2 dated 11.05.2011) - Government of Maharashtra, Environment Department, Room No 217, 2nd Floor, Mantralaya Annexe, Mumbai - 400 032.		
SN	Specific Conditions	Status of compliance as on 31/03/2021
i)	Project proponent should confirm that, there is no increase in waste water & air pollutants discharged into environment due to proposed expansion.	Complied.
ii)	This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with request to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. Issued if any. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SLIAA) approved the proposed land use.	Noted.
iii)	'Consent for Establishment' shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment Department before start of any construction work at the site.	Complied with, CTE received on 10.12.2015.
iv)	No land development or construction work preliminary or otherwise related to the project shall be taken up without obtaining due clearance from respective authorities	Complied
v)	No additional land shall be used / acquired for any activity of the project without obtaining proper permission.	Noted.
vi)	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.	The area in and around GT is paved and no dust is generated.
vii)	Regular monitoring of the air quality, including SPM & SO ₂ levels both in work zone and ambient air shall be carried out in and around the power plant and record shall be maintained. The location of the monitoring stations & frequency of monitoring shall be decided in consultation with MPCB & submit report accordingly to MPCB.	Three continuous monitoring AAQM stations are installed and these are connected to MPCB portal. These station monitors various parameters like PM10 & PM2.5, SO ₂ , NO ₂ & NH ₃ and CO. Ambient Air Monitoring & Work environment monitoring is done in the work zone through third party approved by MOEF. (Annexure - 1A, & 1B)
viii)	A detailed scheme for rain water harvesting shall be prepared and implemented to recharge ground water.	System for rain water harvesting is provided at existing WNA 3 & 4 plant.
ix)	Arrangement shall be made that effluent and storm water do not get mixed.	Effluent and storm water are having separate drains.
x)	Periodic monitoring of ground water shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the MPCB.	Periodic ground water monitoring is being carried out near ETP. Reports are submitted to MPCB. (Annexure - 2)

SN	Specific Conditions	Status of compliance as on 31/03/2021
xi)	Leq of Noise level shall be maintained as per standards. For people working in the high noise area, requisite PPE like earplugs, etc. Shall be provided.	Periodic noise monitoring by third party (MoEF Approved) laboratory is carried out at eight different locations and ambient noise level is within the standards prescribed. PPE like earplugs, etc. are provided for people working in the high noise area. (Annexure - 3)
xii)	Proper House keeping programmes shall be implemented.	5S program has been implemented to maintain proper House keeping.
xiii)	The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. On all the sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under the EPA, 1986 & Rules, 1989.	Periodic noise monitoring is done by MOEF approved 3rd party laboratory at eight different locations and noise level is within the standards prescribed under EP Act, 1986, Rules, 1989. (Annexure - 3)
xiv)	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species & in consultation with the local DFO / Agriculture Dept.	Complied with.
xv)	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection & warning.	Leak detection devices such as gas detectors are provided at strategic places for early detection and warning. In built safety measures such as interlocks and trips are provided for critical process parameters. In addition to it onsite emergency control plan has also been prepared.
xvi)	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	Medical examination of all the workers is done in once in six months as per the factories act and records are maintained.
xvii)	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Fire detection, fire protection and fire fighting arrangements have been provided in manufacturing process and in material handling areas. Company has a dedicated fire team and regular mock drills are conducted. Company also has two fire tenders
xviii)	The project authorities must strictly comply with the rules & regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management & Handling) Rules, 2003 (amended). Authorization from MPCB shall be obtained for collection/treatment/storage/disposal of hazardous waste.	Complied.
xix)	The company shall undertake following Waste Minimization Measures. a. Metering 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 process. c. Maximizing Recoveries. d. Use of automated material transfer system to minimize spillage. e. Use of "Closed Feed" system into batch reactors.	a) No active ingredient involved in GT b) There is no by product from GT c) Waste heat from GT is recovered to produce steam in HRSG. d) GT & HRSG operations are fully automated. e) As such there is no reactor in the GT however the feed system is closed one.

SN	Specific Conditions	Status of compliance as on 31/03/2021
xx)	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.	Regular mock drills for the on-site emergency management plan are carried out. On site emergency plan is reviewed and revised periodically. NG gas line leakage emergency Mock Drill was conducted, NG supply to GT from STL. (Annexure - 4)
xxi)	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	A separate Environmental Management Cell equipped with required facilities is set up.
xxii)	Transportation of ash will be through closed containers & all measures should be taken to prevent spilling of the ash.	Not applicable for GT as it is gas based.
xxiii)	Separate silos will be provided for collecting & storing bottom ash & fly ash.	Not applicable for GT as it is gas based.
xxiv)	Separate funds shall be allocated for implementation of environmental protection measures / EMP along with item wise break up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes & year-wise expenditure should be reported to the MPCB & this department.	Fund is utilized for implementation of environmental safeguard and details are reported to MPCB as part of Form V.
xxv)	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the MPCB and may also be seen at Website at http://envis.maharashtra.gov.in	Complied with.
xxvi)	Project management should submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms & conditions in hard & soft copies to the MPCB & this department on 1 st June & 1 st December of each calendar year.	Six monthly compliance reports are being sent to MPCB and regional office of MOEF. Last report was sent on 27 th November 2020. Copy of the same is posted on the company's web-site.
xxvii)	A copy of clearance letter shall be sent by proponent to the concerned Municipal Corporation & 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 website of the company by the proponent.	Complied with. EC conditions compliances is posted on the website of the company. Advertisement for availability of EC copy on MoEF website was published in local newspaper 'Krushiwal' for any suggestions/representations.

List of Annexures Submitted	
Annexure. No.	Content
1A	Ambient Air Monitoring Reports
1B	Work Zone Monitoring Reports
2	Ground Water Monitoring Report
3	Ambient Noise Monitoring Reports
4	Mock Drill Report

Annexure 1: Ambient Air Monitoring Reports

TEST REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.						
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra						
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
13.10.2020		15.10.2020	15.10.2020	19.10.2020	20.10.2020	
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)			
Sampling Done by : Netel India Limited			Packing			
Location : NPK Raw Material Storage Area			Sample Code : NIL/AA/10/20/144			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	64.5	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	23.0	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	9.7	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	15.6	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.16	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	1.2	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	39.0	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	8.6	100 for 8 hrs.
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	ng/m³	0.5	BDL	1
10	Lead (Pb)	APHA - Air 3 rd Edition (Method 822)	µg/m³	0.1	0.22	1
11	Arsenic (As)		ng/m³	1	BDL	6
12	Nickel (Ni)		ng/m³	1	BDL	20
13	Hydrocarbon (HC)	IS-5182 (Part-11)	µg/m³	1	59.9	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	1.6	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	0.24	---

Note :

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Verified by:

(Signature)
Surekha Jamdar
Dy. Technical Manager

Issued by:

(Signature)
Shraddha Kere
Technical Manager

End of Report

TEST REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.						
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra						
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
13.10.2020		15.10.2020	15.10.2020	19.10.2020	20.10.2020	
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)			
Sampling Done by : Netel India Limited						
Location : NPK Production Unit			Sample Code : NIL/AA/10/20/145			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	52.9	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	18.7	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	14.4	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	23.9	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.11	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	3.9	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	45.5	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	7.9	100 for 8 hrs
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	ng/m³	0.5	BDL	1
10	Lead (Pb)	APHA - Air 3 rd Edition (Method 822)	µg/m³	0.1	0.31	1
11	Arsenic (As)		ng/m³	1	BDL	6
12	Nickel (Ni)		ng/m³	1	BDL	20
13	Hydrocarbon (HC)	IS-5182 (Part-11)	µg/m³	1	59.1	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	1.4	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	0.35	---

Note :

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Verified by:

Surekha Jamdar
Surekha Jamdar
Dy. Technical Manager

Issued by:

Shraddha Kere
Shraddha Kere
Technical Manager

End of Report

TEST REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.						
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra						
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
13.10.2020		15.10.2020	15.10.2020	19.10.2020	20.10.2020	
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)			
Sampling Done by : Netel India Limited						
Location : Near CFB Cooling Tower			Sample Code : NIL/AA/10/20/146			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	69.2	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	26.5	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	14.3	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	21.6	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.00	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	3.3	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	50.3	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	12.6	100 for 8 hrs
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	ng/m³	0.5	BDL	1
10	Lead (Pb)	APHA - Air 3 rd Edition (Method 822)	µg/m³	0.1	0.17	1
11	Arsenic (As)		ng/m³	1	BDL	6
12	Nickel (Ni)		ng/m³	1	BDL	20
13	Hydrocarbon (HC)	IS-5182 (Part-11)	µg/m³	1	47.9	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	3.4	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	0.37	---

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Verified by:

(Signature)
Surekha Jamdar
 Dy. Technical Manager

Issued by:

(Signature)
Shraddha Kere
 Technical Manager

End of Report

TEST REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.						
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra						
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
14.10.2020		16.10.2020	16.10.2020	19.10.2020	20.10.2020	
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)			
Sampling Done by : Netel India Limited						
Location : NPK Gate No.4			Sample Code : NIL/AA/10/20/147			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	67.4	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	24.7	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	10.2	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	16.8	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.15	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	4.1	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	44.6	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	7.4	100 for 8 hrs
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	ng/m³	0.5	BDL	1
10	Lead (Pb)	APHA - Air 3 rd Edition (Method 822)	µg/m³	0.1	0.28	1
11	Arsenic (As)		ng/m³	1	BDL	6
12	Nickel (Ni)		ng/m³	1	BDL	20
13	Hydrocarbon (HC)	IS-5182 (Part-11)	µg/m³	1	36.2	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	2.2	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	0.28	---

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Verified by:

(Signature)
Surekha Jamdar
 Dy. Technical Manager

Issued by:

(Signature)
Shraddha Kere
 Technical Manager

End of Report

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Customers Reference : Work Order no. 4800055893, Dated 24.07.2019						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
14.10.2020		16.10.2020	16.10.2020	19.10.2020	20.10.2020	
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)			
Sampling Done by : Netel India Limited						
Location : Near IPA Gate			Sample Code : NIL/AA/10/20/148			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	56.0	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	24.7	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	11.3	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	15.8	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.06	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	1.7	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	38.8	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	9.1	100 for 8 hrs.
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	ng/m³	0.5	BDL	1
10	Lead (Pb)	APHA - Air 3 rd Edition (Method 822)	µg/m³	0.1	0.24	1
11	Arsenic (As)		ng/m³	1	BDL	6
12	Nickel (Ni)		ng/m³	1	BDL	20
13	Hydrocarbon (HC)	IS-5182 (Part-11)	µg/m³	1	31.1	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	1.9	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	0.18	---

Note :

- * MDL – Method Detectible Limit.
- ** BDL – Below Detectible Limit.
- † Laboratory SOP, based on CPCB Guidelines Volumns I & II
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- The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by:

Surekha
Surekha Jamdar
 Dy. Technical Manager

Issued by:

Shraddha
Shraddha Kere
 Technical Manager

End of Report

TEST REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.						
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra						
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
14.10.2020		16.10.2020	16.10.2020	19.10.2020	20.10.2020	
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)			
Sampling Done by : Netel India Limited						
Location : NPK Gate No.2			Sample Code : NIL/AA/10/20/149			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	65.0	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	27.3	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	11.1	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	18.6	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.07	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	4.2	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	44.1	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	13.7	100 for 8 hrs.
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	ng/m³	0.5	BDL	1
10	Lead (Pb)	APHA - Air 3 rd Edition (Method 822)	µg/m³	0.1	0.21	1
11	Arsenic (As)		ng/m³	1	BDL	6
12	Nickel (Ni)		ng/m³	1	BDL	20
13	Hydrocarbon (HC)	IS-5182 (Part-11)	µg/m³	1	46.8	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	3.4	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	0.40	---

Note :

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Verified by:

(Signature)
Surekha Jamdar
 Dy. Technical Manager

Issued by:

(Signature)
Shraddha Kere
 Technical Manager

End of Report

TEST REPORT

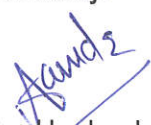
Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 25.11.2020 — 28.11.2020		
Date of Sampling : 23.11.2020			Date of Reporting : 28.11.2020		
Sample Received : 25.11.2020			Sample Code : NIL/AA/11/20/437		
Sampling Location : Near CAAQMS No.1					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	84.8	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	41.7	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	11.7	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	18.5	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.13	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	2.9	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	44.4	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	12.7	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.22	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	<1.0	ng/m ³	6	
12	Nickel (Ni)	<0.1	ng/m ³	20	
13	Hydrocarbon (HC)	33.5	µg/m ³	---	
14	Sulfur Trioxide (SO ₃)	<8.0	µg/m ³	---	By Calculation
15	Acid Mist	2.9	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.20	µg/m ³	---	IS-5182 (Part-13)

Remark: All parameters are within permissible limits

Note : 1. * Laboratory SOP, based on CPCB Guidelines Volumes I & II

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Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report

TEST REPORT

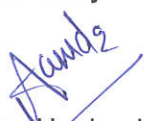
Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 25.11.2020 — 28.11.2020		
Date of Sampling : 23.11.2020			Date of Reporting : 28.11.2020		
Sample Received : 25.11.2020			Sample Code : NIL/AA/11/20/438		
Sampling Location : Near CAAQMS No.3					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	92.3	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	44.3	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	10.6	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	16.0	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.91	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	2.2	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	42.6	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	8.0	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.28	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	<1.0	ng/m ³	6	
12	Nickel (Ni)	<0.1	ng/m ³	20	
13	Hydrocarbon (HC)	50.5	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	<8.0	µg/m ³	---	By Calculation
15	Acid Mist	1.4	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.27	µg/m ³	---	IS-5182 (Part-13)

Remark: All parameters are within permissible limits

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Verified by:



Surekha Jamdar
Dy. Technical Manager

Issued by:



Shraddha Kere
Technical Manager

End of Report

TEST REPORT

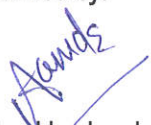
Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
Sample Type : Ambient Air			Sample Qty. & : Filter Paper (2 nos), Charcoal Tube,		
Sampling Done By : Netel (India) Limited			Packing : Bladder & 50ml Plastic Bottle (4 nos)		
Date of Sampling : 24.11.2020			Analysis Date : 26.11.2020 — 30.11.2020		
Sample Received : 26.11.2020			Date of Reporting : 01.12.2020		
Sampling Location : Near CAAQMS NO.1			Sample Code : NIL/AA/11/20/439		
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	76.8	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	31.7	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	10.8	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	16.1	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.04	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	2.5	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	24.4	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	10.4	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.17	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	<1.0	ng/m ³	6	
12	Nickel (Ni)	<0.1	ng/m ³	20	
13	Hydrocarbon (HC)	34.7	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	<8.0	µg/m ³	---	By Calculation
15	Acid Mist	3.6	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.22	µg/m ³	---	IS-5182 (Part-13)

Remark: All parameters are within permissible limits

Note : 1. * Laboratory SOP, based on CPCB Guidelines Volumns I & II

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Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report

TEST REPORT

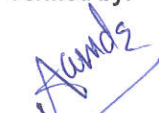
Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 26.11.2020 — 30.11.2020		
Date of Sampling : 24.11.2020			Date of Reporting : 01.12.2020		
Sample Received : 26.11.2020			Sample Code : NIL/AA/11/20/440		
Sampling Location : Near CAAQMS No.2					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	66.5	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	30.4	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	11.9	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	17.6	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.14	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	3.4	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	48.2	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	7.5	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.21	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	<1.0	ng/m ³	6	
12	Nickel (Ni)	<0.1	ng/m ³	20	
13	Hydrocarbon (HC)	56.9	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	<8.0	µg/m ³	---	By Calculation
15	Acid Mist	1.8	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.16	µg/m ³	---	IS-5182 (Part-13)

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Verified by:



Surekha Jamdar
Dy. Technical Manager

Issued by:



Shraddha Kere
Technical Manager

End of Report

TEST REPORT

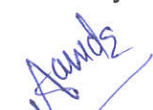
Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 28.11.2020 — 01.12.2020		
Date of Sampling : 26.11.2020			Date of Reporting : 02.12.2020		
Sample Received : 28.11.2020			Sample Code : NIL/AA/11/20/441		
Sampling Location : Near CFB Cooling Tower					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	56.4	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	23.9	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	14.1	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	22.7	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.90	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	1.3	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	24.8	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	11.8	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.15	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	<1.0	ng/m ³	6	
12	Nickel (Ni)	<0.1	ng/m ³	20	
13	Hydrocarbon (HC)	54.5	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	<8.0	µg/m ³	---	By Calculation
15	Acid Mist	2.0	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.40	µg/m ³	---	IS-5182 (Part-13)

Remark: All parameters are within permissible limits

Note : 1. * Laboratory SOP, based on CPCB Guidelines Volumns I & II

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Verified by:



Surekha Jamdar
Dy. Technical Manager

Issued by:



Shraddha Kere
Technical Manager

End of Report

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 28.11.2020 — 01.12.2020		
Date of Sampling : 26.11.2020			Date of Reporting : 02.12.2020		
Sample Received : 28.11.2020			Sample Code : NIL/AA/11/20/442		
Sampling Location : NPK Production Unit					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	63.8	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	26.9	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	10.7	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	18.2	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.16	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	2.3	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	31.8	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	9.2	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	<0.5	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.25	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	<1.0	ng/m ³	6	
12	Nickel (Ni)	<0.1	ng/m ³	20	
13	Hydrocarbon (HC)	41.3	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	<8.0	µg/m ³	---	By Calculation
15	Acid Mist	3.5	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.26	µg/m ³	---	IS-5182 (Part-13)

Remark: All parameters are within permissible limits

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Verified by:



Surekha Jamdar
Dy. Technical Manager

Issued by:



Shraddha Kere
Technical Manager

End of Report

TEST REPORT

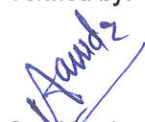
Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 31.12.2020 — 04.01.2021		
Date of Sampling : 29.12.2020			Date of Reporting : 05.01.2021		
Sample Received : 31.12.2020			Sample Code : NIL/AA/12/20/405		
Sampling Location : NPK Gate No.4					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	64.1	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	28.2	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	13.8	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	22.4	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.98	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	BDL	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	46.0	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	12.9	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.26	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	63.7	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	1.6	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.20	µg/m ³	---	IS-5182 (Part-13)

Remark: All parameters are within permissible limits

Note : 1. * Laboratory SOP, based on CPCB Guidelines Volumns I & II

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Verified by:



Surekha Jamdar
Dy. Technical Manager

Issued by:



Shraddha Kere
Technical Manager

End of Report

TEST REPORT

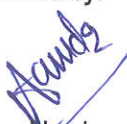
Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 31.12.2020 — 04.01.2021		
Date of Sampling : 29.12.2020			Date of Reporting : 05.01.2021		
Sample Received : 31.12.2020			Sample Code : NIL/AA/12/20/406		
Sampling Location : Near IPA Gate					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	68.9	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	24.3	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	12.3	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	18.7	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.00	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	BDL	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	37.5	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	7.9	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.40	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	64.1	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	3.2	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.25	µg/m ³	---	IS-5182 (Part-13)

Remark: All parameters are within permissible limits

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 31.12.2020 — 04.01.2021		
Date of Sampling : 29.12.2020			Date of Reporting : 05.01.2021		
Sample Received : 31.12.2020			Sample Code : NIL/AA/12/20/407		
Sampling Location : Near Gate No.2					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	58.3	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	29.1	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	12.0	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	19.7	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.96	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	BDL	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	27.1	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	10.6	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.34	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	63.8	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	1.5	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.38	µg/m ³	---	IS-5182 (Part-13)

Remark: All parameters are within permissible limits

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Verified by:



Surekha Jamdar
Dy. Technical Manager

Issued by:



Shraddha Kere
Technical Manager

End of Report

TEST REPORT

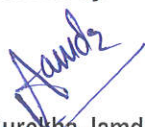
Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 01.01.2021 — 04.01.2021		
Date of Sampling : 30.12.2020			Date of Reporting : 05.01.2021		
Sample Received : 01.01.2021			Sample Code : NIL/AA/12/20/408		
Sampling Location : NPK Raw Material Storage Area					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	63.3	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	29.1	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	9.5	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	14.8	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.02	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	BDL	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	45.7	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	13.7	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.34	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	47.2	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	2.4	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.22	µg/m ³	---	IS-5182 (Part-13)

Remark: All parameters are within permissible limits

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Verified by:



Surekha Jamdar
Dy. Technical Manager

Issued by:



Shraddha Kere
Technical Manager

End of Report

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 01.01.2021 — 04.01.2021		
Date of Sampling : 30.12.2020			Date of Reporting : 05.01.2021		
Sample Received : 01.01.2021			Sample Code : NIL/AA/12/20/409		
Sampling Location : NPK Production Unit					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	70.6	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	29.1	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	13.1	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	20.8	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.12	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	BDL	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	22.1	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	7.4	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.36	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	34.2	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	3.2	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.24	µg/m ³	---	IS-5182 (Part-13)

Remark: All parameters are within permissible limits

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Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 01.01.2021 — 04.01.2021		
Date of Sampling : 30.12.2020			Date of Reporting : 05.01.2021		
Sample Received : 01.01.2021			Sample Code : NIL/AA/12/20/410		
Sampling Location : Near CFB Cooling Tower					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	63.8	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	31.3	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	13.8	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	20.4	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.01	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	BDL	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	44.3	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	12.3	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.40	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	22.2	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	3.2	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.18	µg/m ³	---	IS-5182 (Part-13)

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Surekha Jamdar
Dy. Technical Manager

Issued by:



Shraddha Kere
Technical Manager

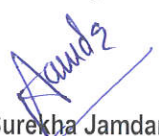
End of Report

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Talaja Plant Plot K-1, MIDC Industrial Area, P.O. Talaja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sampling Done By : Netel (India) Limited		
Date of Sampling : 29.12.2020			Analysis Date : 31.12.2020 — 04.01.2021		
Sample Received : 31.12.2020			Date of Reporting : 05.01.2021		
Sr. No.	Location	Sample code	Unit	Result (mg/m ³) Hydrogen Chloride	Method
1	NPK Gate No. 4	NIL/AA/12/20/405	mg/m ³	0.32	NIOSH 7903
2	Near IPA Gate	NIL/AA/12/20/406		0.33	
3	Near Gate No. 2	NIL/AA/12/20/407		0.16	
4	NPK Raw Material Storage Area	NIL/AA/12/20/408		0.27	
5	NPK Production Unit	NIL/AA/12/20/409		0.31	
6	Near CFB Cooling Tower	NIL/AA/12/20/410		0.30	

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Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report

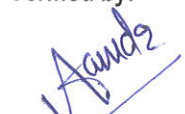
TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 29.01.2021 — 01.02.2021		
Date of Sampling : 27.01.2021			Date of Reporting : 02.02.2021		
Sample Received : 29.01.2021			Sample Code : NIL/AA/01/21/363		
Sampling Location : NPK Production Unit					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	70.2	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	38.6	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	10.2	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	16.2	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.90	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	3.3	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	33.0	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	8.8	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.19	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	32.3	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	2.6	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.38	µg/m ³	---	IS-5182 (Part-13)

Note : 1. * Laboratory SOP, based on CPCB Guidelines Volumes I & II

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Verified by:



Surekha Jamdar

Dy. Technical Manager

Issued by:



Shraddha Kere

Technical Manager

End of Report

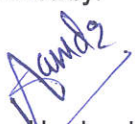
TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 30.01.2021 — 02.02.2021		
Date of Sampling : 28.01.2021			Date of Reporting : 03.02.2021		
Sample Received : 30.01.2021			Sample Code : NIL/AA/01/21/364		
Sampling Location : NPK Gate No.4					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	63.9	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	25.6	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	13.2	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	22.2	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.90	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	2.2	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	22.6	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	12.7	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.15	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	63.6	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	2.2	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.41	µg/m ³	---	IS-5182 (Part-13)

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Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report

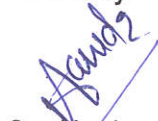
TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited					
Date of Sampling : 28.01.2021			Analysis Date : 30.01.2021 — 02.02.2021		
Sample Received : 30.01.2021			Date of Reporting : 03.02.2021		
Sampling Location : Near CFB Cooling Tower			Sample Code : NIL/AA/01/21/365		
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	62.7	µg/m³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	29.9	µg/m³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	12.9	µg/m³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	18.6	µg/m³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.18	mg/m³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	1.1	µg/m³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	43.2	µg/m³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	9.3	µg/m³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.34	µg/m³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m³	6	
12	Nickel (Ni)	BDL	ng/m³	20	
13	Hydrocarbon (HC)	28.9	µg/m³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m³	---	By Calculation
15	Acid Mist	1.3	µg/m³	---	ICMA Manual (Part 2)
16	Fluoride	0.40	µg/m³	---	IS-5182 (Part-13)

Note : 1. * Laboratory SOP, based on CPCB Guidelines Volumns I & II

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Verified by:



Surekha Jamdar
Dy. Technical Manager

Issued by:



Shraddha Kere
Technical Manager

End of Report

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited					
Date of Sampling : 27.01.2021			Analysis Date : 29.01.2021 — 01.02.2021		
Sample Received : 29.01.2021			Date of Reporting : 02.02.2021		
Sampling Location : NPK Raw Material Storage Area			Sample Code : NIL/AA/01/21/362		
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	62.9	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	26.9	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	11.2	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	16.5	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.05	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	3.3	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	47.8	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	8.2	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.19	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	30.0	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	2.8	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.40	µg/m ³	---	IS-5182 (Part-13)

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 01.02.2021 — 04.02.2021		
Date of Sampling : 30.01.2021			Date of Reporting : 05.02.2021		
Sample Received : 01.02.2021			Sample Code : NIL/AA/02/21/001		
Sampling Location : Near Gate No.2					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	58.2	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	27.8	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	14.1	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	22.6	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.95	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	1.8	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	34.1	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	10.5	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.16	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	44.2	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	3.5	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.27	µg/m ³	---	IS-5182 (Part-13)

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

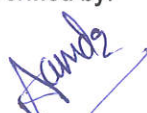
TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 01.02.2021 — 04.02.2021		
Date of Sampling : 30.01.2021			Date of Reporting : 05.02.2021		
Sample Received : 01.02.2021			Sample Code : NIL/AA/02/21/002		
Sampling Location : Near IPA Gate					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	66.9	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	25.6	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	14.9	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	23.7	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.02	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	2.1	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	30.9	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	10.7	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.24	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	33.3	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	2.6	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.23	µg/m ³	---	IS-5182 (Part-13)

Note : 1. * Laboratory SOP, based on CPCB Guidelines Volumns I & II

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Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report



Netel (India) Limited


TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 15.02.2021 — 18.02.2021		
Date of Sampling : 12.02.2021			Date of Reporting : 19.02.2021		
Sample Received : 15.02.2021			Sample Code : NIL/OT/02/21/103		
Sampling Location : Main Gate					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	66.7	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	33.4	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	14.6	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	20.9	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.19	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	3.3	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	35.0	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	11.7	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.40	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	31.8	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	1.5	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.20	µg/m ³	---	IS-5182 (Part-13)

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

W-408, Rabale MIDC,
TTC Industrial Area,
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INDIA.

Tel. : 72080976 92 / 93 / 94 / 95

E-mail : sales@netel-india.com
Website : www.netel-india.com

CIN : U74999MH2003PLC142228



Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61





Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited					
Date of Sampling : 25.02.2021			Analysis Date : 27.02.2021 — 02.03.2021		
Sample Received : 27.02.2021			Date of Reporting : 04.03.2021		
Sampling Location : NPK Paw Material Storage Area			Sample Code : NIL/AA/02/21/265		
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	69.2	µg/m³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	27.8	µg/m³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	10.5	µg/m³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	16.5	µg/m³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.08	mg/m³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	2.1	µg/m³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	38.2	µg/m³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	12.2	µg/m³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m³	1	APHA - Air 3 rd Edition (Method 822)
10	Lead (Pb)	0.18	µg/m³	1	
11	Arsenic (As)	BDL	ng/m³	6	
12	Nickel (Ni)	BDL	ng/m³	20	
13	Hydrocarbon (HC)	25.8	µg/m³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m³	---	By Calculation
15	Acid Mist	2.3	µg/m³	---	ICMA Manual (Part 2)
16	Fluoride	0.36	µg/m³	---	IS-5182 (Part-13)

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

W-408, Rabale MIDC,
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NAVI MUMBAI - 400 701.
INDIA.

Tel. : 72080976 92 / 93 / 94 / 95

E-mail : sales@netel-india.com
Website : www.netel-india.com

CIN : U74999MH2003PLC142228



Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61





Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 27.02.2021 — 02.03.2021		
Date of Sampling : 25.02.2021			Date of Reporting : 04.03.2021		
Sample Received : 27.02.2021			Sample Code : NIL/AA/02/21/266		
Sampling Location : NPK Production Unit					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	60.8	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	28.6	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	10.8	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	17.4	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.17	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	3.5	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	35.0	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	9.3	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.26	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	48.6	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	3.3	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.28	µg/m ³	---	IS-5182 (Part-13)

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

W-408, Rabale MIDC,
TTC Industrial Area,
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INDIA.

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CIN : U74999MH2003PLC142228



Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61





Netel (India) Limited


TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 01.03.2021 — 04.03.2021		
Date of Sampling : 26.02.2021			Date of Reporting : 04.03.2021		
Sample Received : 01.03.2021			Sample Code : NIL/AA/03/21/008		
Sampling Location : Gate No-4					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	62.7	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	28.2	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	12.2	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	17.2	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.07	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	1.2	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	42.0	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	11.7	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.27	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	61.3	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	3.5	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.21	µg/m ³	---	IS-5182 (Part-13)

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

W-408, Rabale MIDC,
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INDIA.

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Website : www.netel-india.com

CIN : U74999MH2003PLC142228



Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61





Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 01.03.2021 — 04.03.2021		
Date of Sampling : 26.02.2021			Date of Reporting : 04.03.2021		
Sample Received : 01.03.2021			Sample Code : NIL/AA/03/21/009		
Sampling Location : Near CFB Cooling Tower					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	61.0	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	27.3	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	12.0	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	20.4	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.19	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	2.3	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	34.3	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	9.4	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.25	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	22.9	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	1.4	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.31	µg/m ³	---	IS-5182 (Part-13)

Note : 1. * Laboratory SOP, based on CPCB Guidelines Volumns I & II

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

W-408, Rabale MIDC,
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CIN : U74999MH2003PLC142228



Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61





Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Talaja Plant Plot K-1, MIDC Industrial Area, P.O. Talaja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 01.03.2021 — 04.03.2021		
Date of Sampling : 26.02.2021			Date of Reporting : 04.03.2021		
Sample Received : 01.03.2021			Sample Code : NIL/AA/03/21/010		
Sampling Location : IPA Gate					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	67.6	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	24.3	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	13.7	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	21.9	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.10	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	2.8	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	23.2	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	12.8	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.36	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	26.6	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	2.6	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.31	µg/m ³	---	IS-5182 (Part-13)

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Verified by:

Surekha Jamdar

Surekha Jamdar
Dy. Technical Manager

Issued by:

Shraddha Kere

Shraddha Kere
Technical Manager

End of Report

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Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 01.03.2021 — 04.03.2021		
Date of Sampling : 26.02.2021			Date of Reporting : 04.03.2021		
Sample Received : 01.03.2021			Sample Code : NIL/AA/03/21/011		
Sampling Location : K-6					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	68.7	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	32.1	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	12.0	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	17.3	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.90	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	BDL	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	22.8	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	12.4	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	BDL	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	58.9	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	3.1	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	BDL	µg/m ³	---	IS-5182 (Part-13)

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

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Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Talaja Plant Plot K-1, MIDC Industrial Area, P.O. Talaja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 01.03.2021 — 04.03.2021		
Date of Sampling : 27.02.2021			Date of Reporting : 04.03.2021		
Sample Received : 01.03.2021			Sample Code : NIL/AA/03/21/012		
Sampling Location : Gate No-2					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	57.9	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	31.3	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	13.4	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	21.2	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.91	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	3.7	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	40.6	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	11.6	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.33	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	58.3	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	2.7	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.27	µg/m ³	---	IS-5182 (Part-13)

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Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

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Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & : Filter Paper (2 nos), Charcoal Tube,		
Sampling Done By : Netel (India) Limited			Packing : Bladder & 50ml Plastic Bottle (4 nos)		
Date of Sampling : 09.03.2021			Analysis Date : 11.03.2021 — 15.03.2021		
Sample Received : 11.03.2021			Date of Reporting : 16.03.2021		
Sampling Location : NPK Raw Material Storage			Sample Code : NIL/AA/03/21/121		
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	72.3	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	33.9	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	11.3	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	16.5	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.94	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	2.1	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	47.9	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	10.2	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.20	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	59.9	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	2.2	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.19	µg/m ³	---	IS-5182 (Part-13)

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Verified by:

Surekha Jamdar

Surekha Jamdar
Dy. Technical Manager

Issued by:

Shraddha Kere

Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

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Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 11.03.2021 — 15.03.2021		
Date of Sampling : 09.03.2021			Date of Reporting : 16.03.2021		
Sample Received : 11.03.2021			Sample Code : NIL/AA/03/21/122		
Sampling Location : NPK Production Unit					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	57.9	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	26.5	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	12.3	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	18.3	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.96	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	3.0	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	21.8	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	8.2	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.23	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	49.4	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	3.4	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.22	µg/m ³	---	IS-5182 (Part-13)

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 Surekha Jamdar
 Dy. Technical Manager

Issued by:


 Shraddha Kere
 Technical Manager

End of Report

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Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 12.03.2021 — 15.03.2021		
Date of Sampling : 10.03.2021			Date of Reporting : 16.03.2021		
Sample Received : 12.03.2021			Sample Code : NIL/AA/03/21/128		
Sampling Location : Near CFB Cooling Tower					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	68.4	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	26.0	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	13.3	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	19.2	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.04	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	2.9	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	32.6	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	9.5	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.38	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	57.0	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	2.9	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.30	µg/m ³	---	IS-5182 (Part-13)

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Verified by:

Surekha Jamdar
Dy. Technical Manager

Issued by:

Shraddha Kere
Technical Manager

End of Report

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एक कदम स्वच्छता की ओर



Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 12.03.2021 — 15.03.2021		
Date of Sampling : 10.03.2021			Date of Reporting : 16.03.2021		
Sample Received : 12.03.2021			Sample Code : NIL/AA/03/21/129		
Sampling Location : Near Gate No-4					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	68.8	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	37.8	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	12.2	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	17.8	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.14	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	1.9	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	32.8	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	11.1	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.19	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	25.5	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	2.7	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.28	µg/m ³	---	IS-5182 (Part-13)

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Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

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Website : www.netel-india.com

CIN : U74999MH2003PLC142228



Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61





Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 13.03.2021 — 16.03.2021		
Date of Sampling : 11.03.2021			Date of Reporting : 17.03.2021		
Sample Received : 13.03.2021			Sample Code : NIL/AA/03/21/137		
Sampling Location : Near IPA Gate					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	61.9	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	29.1	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	14.7	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	24.3	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	1.19	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	2.0	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	32.7	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	7.8	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.29	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	56.6	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	1.5	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.33	µg/m ³	---	IS-5182 (Part-13)

Note : 1. * Laboratory SOP, based on CPCB Guidelines Volumes I & II

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

W-408, Rabale MIDC,
TTC Industrial Area,
NAVI MUMBAI - 400 701.
INDIA.

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Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61





Netel (India) Limited

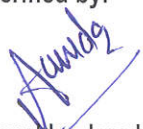
TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Talaja Plant Plot K-1, MIDC Industrial Area, P.O. Talaja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sample Qty. & Packing : Filter Paper (2 nos), Charcoal Tube, Bladder & 50ml Plastic Bottle (4 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 13.03.2021 — 16.03.2021		
Date of Sampling : 11.03.2021			Date of Reporting : 17.03.2021		
Sample Received : 13.03.2021			Sample Code : NIL/AA/03/21/138		
Sampling Location : Near Gate No-2					
Sr. No.	Test Parameter	Results	Unit	CPCB Limit	Method
1	Particulate Matter (PM ₁₀)	57.4	µg/m ³	100	IS-5182 (Part-23)
2	Particulate Matter (PM _{2.5})	28.2	µg/m ³	60	NIL/AIR/SOP/03*
3	Sulphur Dioxide (SO ₂)	12.3	µg/m ³	80	IS-5182 (Part-02)
4	Oxides of Nitrogen (NO _x)	20.7	µg/m ³	80	IS-5182 (Part-06)
5	Carbon Monoxide (CO)	0.94	mg/m ³	2 for 8 hrs.	IS-5182 (Part-10)
6	Benzene (C ₆ H ₆)	1.7	µg/m ³	5	IS-5182 (Part-11)
7	Ammonia (NH ₃)	30.5	µg/m ³	400	ISC Part-II (Method-401)
8	Ozone (O ₃)	12.2	µg/m ³	100 for 8 hrs.	IS-5182 (Part-09)
9	Benzo - a - Pyrene (BaP)	BDL	ng/m ³	1	IS-5182 (Part-12)
10	Lead (Pb)	0.22	µg/m ³	1	APHA - Air 3 rd Edition (Method 822)
11	Arsenic (As)	BDL	ng/m ³	6	
12	Nickel (Ni)	BDL	ng/m ³	20	
13	Hydrocarbon (HC)	25.2	µg/m ³	---	IS-5182 (Part-11)
14	Sulfur Trioxide (SO ₃)	BDL	µg/m ³	---	By Calculation
15	Acid Mist	3.1	µg/m ³	---	ICMA Manual (Part 2)
16	Fluoride	0.38	µg/m ³	---	IS-5182 (Part-13)

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Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Ambient Air			Sampling Done By : Netel (India) Limited		
Date of Sampling : 09.03.2021 — 11.03.2021			Analysis Date : 12.03.2021 — 15.03.2021		
Sample Received : 12.03.2021			Date of Reporting : 16.03.2021		
Sr. No.	Location	Sample code	Unit	Result (mg/m ³) Hydrogen Chloride	Method
1	NPK Raw Material Storage	NIL/AA/03/21/121	mg/m ³	0.36	NIOSH 7903
2	NPK Production Unit	NIL/AA/03/21/122		0.23	
3	Near CFB Cooling Tower	NIL/AA/03/21/128		0.31	
4	Near Gate No-4	NIL/AA/03/21/129		0.23	
5	Near IPA Gate	NIL/AA/03/21/137		0.19	
6	Near Gate No-2	NIL/AA/03/21/138		0.32	

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Surekha Jamdar
Dy. Technical Manager

Issued by:

Shraddha Kere
Technical Manager

End of Report

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Annexure 1B: Work Zone Monitoring Reports

TEST REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.						
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra						
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
14.10.2020		16.10.2020	16.10.2020	19.10.2020	20.10.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg. : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 5			Sample Code : NIL/AA/10/20/152			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	74.6	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	28.2	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	23.9	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.88	55

Note :

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Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report


TEST REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.						
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra						
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
14.10.2020		16.10.2020	16.10.2020	19.10.2020	20.10.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 1			Sample Code : NIL/AA/10/20/150			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	86.2	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	32.5	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	25.3	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.76	55

Note :

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Verified by:


Suresha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report

TEST REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.						
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra						
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
14.10.2020		16.10.2020	16.10.2020	19.10.2020	20.10.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg. : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 2			Sample Code : NIL/AA/10/20/151			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	69.3	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	21.4	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	22.7	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.94	55

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Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report

TEST REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.						
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra						
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
30.11.2020		01.12.2020	01.12.2020	04.12.2020	04.12.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg. : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 1			Sample Code : NIL/AA/11/20/479			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	86.0	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	29.2	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	25.8	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.98	55

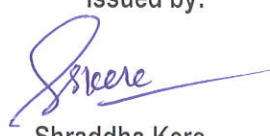
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Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report

TEST REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.						
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra						
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
30.11.2020		01.12.2020	01.12.2020	04.12.2020	04.12.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg.: Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 2			Sample Code : NIL/AA/11/20/480			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	66.4	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	21.3	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	28.6	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.72	55

Note :

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Surekha
Surekha Jamdar
 Dy. Technical Manager

Issued by:

Shraddha
Shraddha Kere
 Technical Manager

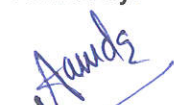
End of Report

TEST REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.						
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra						
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
30.12.2020		01.01.2021	01.01.2021	04.01.2021	05.01.2021	
Sample Type : Workplace (Air)			Sample Qty. & Pkg. : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 1			Sample Code : NIL/AA/12/20/433			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	78.4	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	27.3	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	26.1	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.90	55

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

TEST REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.						
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra						
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
30.12.2020		01.01.2021	01.01.2021	04.01.2021	05.01.2021	
Sample Type : Workplace (Air)			Sample Qty. & Pkg. : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 2			Sample Code : NIL/AA/12/20/434			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	73.4	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	19.7	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	26.1	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.76	55

Note :

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 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report



Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Workplace (Air)			Sample Qty. & Packing : Filter Paper (1 nos), Bladder & 50ml Plastic Bottle (2 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 30.01.2021 — 02.02.2021		
Date of Sampling : 28.01.2021			Date of Reporting : 03.02.2021		
Sample Received : 30.01.2021			Sample Code : NIL/AA/01/21/367		
Sampling Location : G.T. No. 2					
Sr. No.	Test Parameter	Result	Unit	OSHA Limit	Method
1	Particulate Matter (PM ₁₀)	65.8	µg/m ³	5000	IS-5182 (Part-23)
2	Sulphur Dioxide (SO ₂)	17.6	µg/m ³	13000	IS-5182 (Part-02)
3	Oxides of Nitrogen (NO _x)	21.0	µg/m ³	9000	IS-5182 (Part-06)
4	Carbon Monoxide (CO)	1.07	mg/m ³	55	IS-5182 (Part-10)

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Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Workplace (Air)			Sample Qty. & Packing : Filter Paper (1 nos), Bladder & 50ml Plastic Bottle (2 nos)		
Sampling Done By : Netel (India) Limited					
Date of Sampling : 28.01.2021			Analysis Date : 30.01.2021 — 02.02.2021		
Sample Received : 30.01.2021			Date of Reporting : 03.02.2021		
Sampling Location : G.T. No. 1			Sample Code : NIL/AA/01/21/366		
Sr. No.	Test Parameter	Result	Unit	OSHA Limit	Method
1	Particulate Matter (PM ₁₀)	73.2	µg/m ³	5000	IS-5182 (Part-23)
2	Sulphur Dioxide (SO ₂)	22.3	µg/m ³	13000	IS-5182 (Part-02)
3	Oxides of Nitrogen (NO _x)	26.1	µg/m ³	9000	IS-5182 (Part-06)
4	Carbon Monoxide (CO)	0.94	mg/m ³	55	IS-5182 (Part-10)

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Website : www.netel-india.com

CIN : U74999MH2003PLC142228



Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61



TEST REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.						
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra						
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
30.12.2020		01.01.2021	01.01.2021	04.01.2021	05.01.2021	
Sample Type : Workplace (Air)			Sample Qty. & Pkg.: Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 5			Sample Code : NIL/AA/12/20/435			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	81.6	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	25.2	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	28.7	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.81	55

Note :

1. * MDL – Method Detectible Limit.
2. ** BDL – Below Detectible Limit.
3. Sampling done by Netel (India) Limited.
4. This Test Report shall not be reproduced except in full, without written approval of the Laboratory.
5. This Test Report refers only to the sample tested.
6. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report

TEST REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.						
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra						
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
30.11.2020		01.12.2020	01.12.2020	04.12.2020	04.12.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg. : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 5			Sample Code : NIL/AA/11/20/481			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	77.1	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	31.3	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	34.8	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.03	55

Note :

- * MDL – Method Detectible Limit.
- ** BDL – Below Detectible Limit.
- Sampling done by Netel (India) Limited.
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- This Test Report refers only to the sample tested.
- The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report



Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Workplace (Air)			Sample Qty. & Packing : Filter Paper (1 nos), Bladder & 50ml Plastic Bottle (2 nos)		
Sampling Done By : Netel (India) Limited					
Date of Sampling : 28.01.2021			Analysis Date : 30.01.2021 — 02.02.2021		
Sample Received : 30.01.2021			Date of Reporting : 03.02.2021		
Sampling Location : G.T. No. 5			Sample Code : NIL/AA/01/21/368		
Sr. No.	Test Parameter	Result	Unit	OSHA Limit	Method
1	Particulate Matter (PM ₁₀)	67.6	µg/m ³	5000	IS-5182 (Part-23)
2	Sulphur Dioxide (SO ₂)	21.9	µg/m ³	13000	IS-5182 (Part-02)
3	Oxides of Nitrogen (NO _x)	25.9	µg/m ³	9000	IS-5182 (Part-06)
4	Carbon Monoxide (CO)	1.15	mg/m ³	55	IS-5182 (Part-10)

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Verified by:

Surekha Jamdar
Dy. Technical Manager

Issued by:

Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

W-408, Rabale MIDC,
TTC Industrial Area,
NAVI MUMBAI - 400 701.
INDIA.

Tel. : 72080976 92 / 93 / 94 / 95

E-mail : sales@netel-india.com

Website : www.netel-india.com

CIN : U74999MH2003PLC142228



Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61






Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Talaja Plant Plot K-1, MIDC Industrial Area, P.O. Talaja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Workplace (Air)			Sample Qty. & Packing : Filter Paper (1 nos), Bladder & 50ml Plastic Bottle (2 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 27.02.2021 — 02.03.2021		
Date of Sampling : 25.02.2021			Date of Reporting : 03.03.2021		
Sample Received : 27.02.2021			Sample Code : NIL/AA/02/21/267		
Sampling Location : G.T. No. 1					
Sr. No.	Test Parameter	Result	Unit	OSHA Limit	Method
1	Particulate Matter (PM ₁₀)	51.7	µg/m ³	5000	IS-5182 (Part-23)
2	Sulphur Dioxide (SO ₂)	26.8	µg/m ³	13000	IS-5182 (Part-02)
3	Oxides of Nitrogen (NO _x)	27.5	µg/m ³	9000	IS-5182 (Part-06)
4	Carbon Monoxide (CO)	1.03	mg/m ³	55	IS-5182 (Part-10)

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

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Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Workplace (Air)			Sample Qty. & Packing : Filter Paper (1 nos), Bladder & 50ml Plastic Bottle (2 nos)		
Sampling Done By : Netel (India) Limited					
Date of Sampling : 10.03.2021			Analysis Date : 12.03.2021 — 15.03.2021		
Sample Received : 12.03.2021			Date of Reporting : 16.03.2021		
Sampling Location : G.T. No. 2			Sample Code : NIL/AA/03/21/131		
Sr. No.	Test Parameter	Result	Unit	OSHA Limit	Method
1	Particulate Matter (PM ₁₀)	75.4	µg/m ³	5000	IS-5182 (Part-23)
2	Sulphur Dioxide (SO ₂)	19.0	µg/m ³	13000	IS-5182 (Part-02)
3	Oxides of Nitrogen (NO _x)	23.0	µg/m ³	9000	IS-5182 (Part-06)
4	Carbon Monoxide (CO)	0.88	mg/m ³	55	IS-5182 (Part-10)

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Verified by:

Surekha Jamdar

Surekha Jamdar
Dy. Technical Manager

Issued by:

Shraddha Kere

Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

W-408, Rabale MIDC,
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INDIA.

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Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61





Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Workplace (Air)			Sample Qty. & Packing : Filter Paper (1 nos), Bladder & 50ml Plastic Bottle (2 nos)		
Sampling Done By : Netel (India) Limited			Analysis Date : 12.03.2021 — 15.03.2021		
Date of Sampling : 10.03.2021			Date of Reporting : 16.03.2021		
Sample Received : 12.03.2021			Sample Code : NIL/AA/03/21/132		
Sampling Location : G.T. No. 5					
Sr. No.	Test Parameter	Result	Unit	OSHA Limit	Method
1	Particulate Matter (PM ₁₀)	74.0	µg/m ³	5000	IS-5182 (Part-23)
2	Sulphur Dioxide (SO ₂)	27.7	µg/m ³	13000	IS-5182 (Part-02)
3	Oxides of Nitrogen (NO _x)	27.3	µg/m ³	9000	IS-5182 (Part-06)
4	Carbon Monoxide (CO)	0.99	mg/m ³	55	IS-5182 (Part-10)

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

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Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61





Netel (India) Limited

TEST REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
MoEFCC Validity : 16 October 2024			NABL Validity : 19 March 2022		
Sample Type : Workplace (Air)			Sample Qty. & Packing : Filter Paper (1 nos), Bladder & 50ml Plastic Bottle (2 nos)		
Sampling Done By : Netel (India) Limited					
Date of Sampling : 10.03.2021			Analysis Date : 12.03.2021 — 15.03.2021		
Sample Received : 12.03.2021			Date of Reporting : 16.03.2021		
Sampling Location : G.T. No. 1			Sample Code : NIL/AA/03/21/130		
Sr. No.	Test Parameter	Result	Unit	OSHA Limit	Method
1	Particulate Matter (PM ₁₀)	77.0	µg/m ³	5000	IS-5182 (Part-23)
2	Sulphur Dioxide (SO ₂)	20.1	µg/m ³	13000	IS-5182 (Part-02)
3	Oxides of Nitrogen (NO _x)	24.7	µg/m ³	9000	IS-5182 (Part-06)
4	Carbon Monoxide (CO)	0.88	mg/m ³	55	IS-5182 (Part-10)

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

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Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61



Annexure 2: Ground Water Monitoring Reports

TEST REPORT

Customer Name	: M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.
Customer Address	: Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra
Customer Reference	: Work Order no. 4800055893, Dated 24.07.2019
Sample Type	: Water
Sample Container	: Plastic can
Date of Sampling	: 27.11.2020
Sample Received	: 30.11.2020
Sampling Location	: G.W. (Near ETP)
Sampling done by	: Netel (India) Limited
Sample Quantity	: 2 Litres
Analysis Date	: 30.11.2020 — 03.12.2020
Date of Reporting	: 04.12.2020
Sample Code	: NIL/W/11/20/140

Sr. No.	Test Parameter	Result	Unit	Specification as per IS 10500:2012	Method
1	Temperature	26.4	°C	---	APHA 2550-B
2	Colour	9.9	Hazen	15	IS 3025 (Part 4)
3	Odour	Agreeable	—	Agreeable	APHA 2150-A
4	pH	6.94	—	6.0 - 8.5	IS 3025 (Part 11)
5	Electrical Conductivity	4.665	mS/cm	---	IS 3025 (Part 14)
6	Total Dissolved Solids	586	mg/lit	2000	IS 3025 (Part 16)
7	COD	28	mg/lit	250	IS 3025 (Part 58)
8	Chloride	41.7	mg/lit	250	APHA 4500-Cl
9	Sulphate	52.9	mg/lit	200	APHA 4500-SO ₄ -E
10	Fluoride	<0.2	mg/lit	1	APHA 4500-F-D
11	Nitrate	6.5	mg/lit	45	IS 3025 (Part 34)
12	Nitrite	2.4	mg/lit	---	IS 3025 (Part 34)
13	Phosphate (Phosphorus)	<1.0	mg/lit	---	APHA 4500-P-C
14	Sodium	97.4	mg/lit	---	IS 3025 (Part 45)
15	Potassium	6.1	mg/lit	---	IS 3025 (Part 45)
16	Iron	<0.1	mg/lit	0.3	APHA 3111-B
17	Magnesium	101.4	mg/lit	30	IS 3025 (Part 21 & 40)
18	Manganese	BDL	mg/lit	0.1	APHA 3111-B
19	Mercury	BDL	mg/lit	0.001	APHA 3112-B (by FIAS)
20	Cadmium	BDL	mg/lit	0.003	APHA 3111-B
21	Selenium	BDL	mg/lit	0.01	APHA 3111-B
22	Arsenic	BDL	mg/lit	0.01	APHA 3114-C
23	Lead	BDL	mg/lit	0.01	APHA 3111-B
24	Silver	BDL	mg/lit	0.1	APHA 3111-B
25	Zinc	BDL	mg/lit	5	APHA 3111-B
26	Nickel	BDL	mg/lit	0.02	APHA 3111-B
27	Aluminium	BDL	mg/lit	0.03	APHA 3111-B
28	Copper	BDL	mg/lit	0.05	APHA 3111-B
29	Molybdenum	BDL	mg/lit	0.07	APHA 3111-B

Sampling Location : G.W. (Near ETP)			Sample Code : NIL/W/11/20/140		
Sr. No.	Test Parameter	Result	Unit	Specification as per IS 10500:2012	Method
30	Boron	BDL	mg/lit	0.5	APHA 4500-B
31	Total Chromium (as Cr)	BDL	mg/lit	0.05	APHA 3111-B
32	Hexavalent Chromium (Cr ⁶⁺)	BDL	mg/lit	---	APHA 3500-Cr-B
33	Cobalt	BDL	mg/lit	---	APHA 3111-B
34	Calcium	35	mg/lit	75	IS 3025 (Part 40)
35	Carbonate	BDL	mg/lit	---	IS 3025 (Part 23)
36	Bicarbonate	101.2	mg/lit	---	IS 3025 (Part 23)
37	Total Coliform	Absent	MPN/100ml	Absent	IS 1622 : 1981
38	Faecal Coliform	Absent	—	Absent	IS 1622 : 1981

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 3. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by:


 Surekha Jamdar
 Dy. Technical Manager

Issued by:


 Shraddha Kere
 Technical Manager

End of Report

Annexure 3: Ambient Noise Monitoring Reports

TEST REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019					
Instrument Model : Lutron SL-4033-SD (Class 1)			Instrument Serial No. : Q640780		
Date of Sampling : 14.10.2020			Date of Calibration : 26.02.2020		
Date of Reporting : 16.10.2020			Next Calibration Due : 25.02.2021		
Sr. No.	Location	Leq (dBA)			
		Day	MPCB Limit	Night	MPCB Limit
1	Main Gate	67.6	75	68.1	70
2	NPK Gate No. 4	53.5	75	51.9	70
3	NPK Raw Material Storage Area	69.9	75	68.2	70
4	NPK Production Unit	59.4	75	58.8	70
5	Near IPA Gate	66.1	75	66.1	70
6	Near CFB Cooling Tower	73.0	75	69.2	70
7	Ammonia Unloading	61.6	75	59.9	70
8	K-6 Plot (Near Main Gate)	67.4	75	65.9	70

Note :

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3. The Complaint Register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report

NOISE LEVEL MONITORING REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019					
Instrument Model : Lutron SL-4033-SD (Class 1)			Instrument Serial No.: Q640792		
Date of Sampling : 26.11.2020			Date of Calibration : 26.02.2020		
Date of Reporting : 30.11.2020			Next Calibration Due : 25.02.2021		
Sr. No.	Location	Leq (dBA)			
		Day	MPCB Limit	Night	MPCB Limit
1	Main Gate	66.4	75	65.6	70
2	NPK Gate No. 4	55.6	75	54.3	70
3	NPK Raw Material Storage Area	67.5	75	65.7	70
4	NPK Production Unit	53.5	75	54.0	70
5	Near IPA Gate	63.6	75	63.1	70
6	Near CFB Cooling Tower	73.3	75	68.2	70
7	Ammonia Unloading	61.2	75	60.9	70
8	K-6 Plot (Near Main Gate)	68.8	75	68.2	70

Note :

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

NOISE LEVEL MONITORING REPORT

Name of Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customers Reference : Work Order no. 4800055893, Dated 24.07.2019					
Instrument Model : Lutron SL-4033-SD (Class 1)			Instrument Serial No. : Q640792		
Date of Sampling : 30.12.2020			Date of Calibration : 26.02.2020		
Date of Reporting : 02.01.2021			Next Calibration Due : 25.02.2021		
Sr. No.	Location	Leq (dBA)			
		Day	MPCB Limit	Night	MPCB Limit
1	Main Gate	66.7	75	65.6	70
2	NPK Gate No. 4	54.8	75	53.7	70
3	NPK Raw Material Storage Area	69.8	75	68.8	70
4	NPK Production Unit	61.1	75	61.1	70
5	Near IPA Gate	63.4	75	63.3	70
6	Near CFB Cooling Tower	71.7	75	69.6	70
7	Ammonia Unloading	57.8	75	56.8	70
8	K-6 Plot (Near Main Gate)	69.1	75	67.9	70

Note :

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Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report

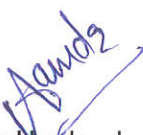
NOISE LEVEL MONITORING REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
Instrument Model : Lutron SL-4033-SD (Class 1)			Instrument Serial No. : Q640792		
Date of Sampling : 30.01.2021			Date of Calibration : 26.02.2020		
Date of Reporting : 02.02.2021			Next Calibration Due : 25.02.2021		
Sr. No.	Location	Leq (dBA)			
		Day	MPCB Limit	Night	MPCB Limit
1	Main Gate	67.9	75	66.4	70
2	NPK Gate No. 4	55.4	75	54.0	70
3	NPK Raw Material Storage Area	69.6	75	68.7	70
4	NPK Production Unit	57.9	75	56.3	70
5	Near IPA Gate	62.9	75	62.3	70
6	Near CFB Cooling Tower	69.7	75	68.8	70
7	Ammonia Unloading	61.9	75	61.1	70
8	K-6 Plot (Near Main Gate)	71.4	75	70.0	70

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Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report



Netel (India) Limited

NOISE LEVEL MONITORING REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
Instrument Model : Lutron SL-4033-SD (Class 1)			Instrument Serial No. : Q640774		
Date of Sampling : 25.02.2021			Date of Calibration : 25.09.2020		
Date of Reporting : 01.03.2021			Next Calibration Due : 24.09.2021		
Sr. No.	Location	Leq (dBA)			
		Day	MPCB Limit	Night	MPCB Limit
1	Main Gate	68.8	75	67.8	70
2	NPK Gate No. 4	52.9	75	51.6	70
3	NPK Raw Material Storage Area	70.2	75	68.5	70
4	NPK Production Unit	58.4	75	57.0	70
5	Near IPA Gate	66.5	75	65.0	70
6	Near CFB Cooling Tower	70.7	75	68.3	70
7	Ammonia Unloading	58.9	75	57.1	70
8	K-6 Plot (Near Main Gate)	72.1	75	66.5	70

Note :

1. This Test Report shall not be reproduced except in full, without written approval of the Laboratory.
2. This Test Report refers only to the sample tested.
3. The Complaint Register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

W-408, Rabale MIDC,
TTC Industrial Area,
NAVI MUMBAI - 400 701.
INDIA.

Tel. : 72080976 92 / 93 / 94 / 95

E-mail : sales@netel-india.com
Website : www.netel-india.com

CIN : U74999MH2003PLC142228



Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61





Netel (India) Limited

NOISE LEVEL MONITORING REPORT

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.					
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Customer Reference : Work Order no. 4800055893, Dated 24.07.2019					
Instrument Model : Lutron SL-4033-SD (Class 1)			Instrument Serial No. : Q640774		
Date of Sampling : 11.03.2021			Date of Calibration : 25.09.2020		
Date of Reporting : 15.03.2021			Next Calibration Due : 24.09.2021		
Sr. No.	Location	Leq (dBA)			
		Day	MPCB Limit	Night	MPCB Limit
1	Main Gate	66.1	75	65.0	70
2	NPK Gate No. 4	52.9	75	53.3	70
3	NPK Raw Material Storage Area	67.4	75	67.0	70
4	NPK Production Unit	61.7	75	60.0	70
5	Near IPA Gate	62.7	75	61.8	70
6	Near CFB Cooling Tower	67.1	75	63.2	70
7	Ammonia Unloading	60.4	75	58.6	70
8	K-6 Plot (Near Main Gate)	68.6	75	67.2	70

Note :

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Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report

A Neterwala Group Company

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Annexure 4: Mock Drill Reports

 SMARTCHEM TECHNOLOGIES LTD.	Integrated Management System		
	Doc Name: MOCK DRILL REPORT		
	Doc Code : SAF-F-07		
	Issue No: 01		Rev No: 01

Report on On-site Emergency Mock drill			
1	Date of Incident:	08.12.2020	
2	Time of Incident:	Start time 12:39 hrs. All clear time 13.25 hrs.	
3	Location of Emergency:	Natural gas pipeline, 10" size, at Gas receiving station area, Ammonia Plant.	
4	Type of Emergency:	Natural gas leakage through 10" above ground STL- GAS pipeline due to pin hole in the line at Gas Receiving station, Ammonia Plant	
5	Details of Members & Observer involved in Mock drill:		
	Role	Name	Location
	Emergency control Team at Ammonia control room:		
	Chief Incident Controller	Mr. Navin Shrivastava	Emergency control Center
	Ammonia Control room In-charge	Mr. Vaibhav Dhumal	Ammonia control room
	Emergency Control Team at Site:		
	Site Incident controller	Mr. Sanjay Landge	Incident Site
	Emergency Controlling Team	Anil Kadam (Safety Team Leader)	Incident Site
		Mr. Rakesh Mhatre (Fire Team Leader)	Incident Site
		Mr. Vaibhav Dhumal (Process Team Leader)	Incident Site
		Mr. Sameer Patil (Mechanical Team leader)	Incident Site
		Mr. S. Sabat (Security Team Leader)	ECC
		Mr. Shankar Thale (Fire Officer)	Incident Site
	Chief communicating officer	Mr. Sanjay Landge	Incident Site
	OBSERVERS:		
	Observer	Mr. Bhumesh Barapatre (Observer from CIL)	Incident Site
	Observer	Mr. Pradip Tandel (Observer from DFPCL-K1)	Incident Site
	Observer	Mr. Sathish Iyengar (Observer from CIL)	ECC
	Observer	Mr. S K Patil (Observer from STL-K1)	Ammonia control room

 SMARTCHEM TECHNOLOGIES LTD.	Integrated Management System	
	Doc Name: MOCK DRILL REPORT	
	Doc Code : SAF-F-07	
	Issue No: 01	Rev No: 01


6. COMMUNICATION & ARRIVAL AT SITE		
Time	Brief description of action, activity or comment related to exercise	
12.40	Information received from primary observer to Emergency control centre through Manual call point.	
12.40	At ECC & Ammonia C/R : Information given by Mr. K K Das of M/s Vijay Tank about the suspected Natural gas leakage through 10" aboveground STL Pipeline at NG receiving station to ECC & ammonia Control Room by operating nearest Manual Call Point.	
12.41	Immediately Fire crew rushed towards the site by activating Emergency alert switch.	
12.41	Security officer Mr. Vijay Kamble taken the charge of Emergency Control Center.	
12.42	Mr. Vijay Kamble given information about the incident to Mr. Mishra (AVP-Gr. I), Mr. Navin Srivastava (Mech main Head), Ms. J. Katkar (HR Head), Mr. R. Agarwal, AVP-Technical Services and Mr. Deepak Pande (Head-EHS).	
12.45	Mr. Navin Srivastav (Chief Incident Controller) & Mr. Deepak Pande (Head-EHS) reached at Emergency control centre	
12.45	Information given from Ammonia control room to Mr. Sameer Patil, Mech Maintenance-In-Charge, to keep the equipment ready.	
12.46	Information given from Ammonia control room to Mr. Sandeep Mokashi, Electrical dept.	
12.47	At Ammonia CR, Mr. R Madane, Panel-In-charge, was monitoring the pipeline parameters	
12.43	AT INCIDENT SITE: Emergency team comprising of Mr. Sanjay Landge (Site Incident controller), Mr. Shankar Thale (Fire S/I), Mr. Anil Kadam (safety), & Mr. Vaibhav Dhumal (Process Lead) reached at incident location with crosswind direction. Performed gas testing by LEL meter while approaching towards GRS. The LEL noted 20% in the area of 15 Meter.	
12.43	AT INCIDENT SITE: DFPCL Fire tender and ambulance reached at site. 50 Meter zone from leak source as per wind direction barricaded.	
12.44	AT INCIDENT SITE: Local evacuation done at incident site considering the wind direction from Nearby Ammonia Tank area, Ammonia Tanker	

12.44	<u>AT INCIDENT SITE:</u> Mayura curtain / Water spray branch use to disperse & contain the gas. Checked for any casualty. No any casualty found at incident site.
12:48	<u>AT INCIDENT SITE:</u> SIC informed ammonia control room for isolation of NG line upstream valve.
12:50	<u>AT INCIDENT SITE:</u> Continuous monitoring of leaky NG pipeline parameters continued.
12.50	<u>AT INCIDENT SITE:</u> Informed to Mr. Jadhav, Sr. Manager Elec. Main, to de-energise the cathodic protection.
12.50	<u>AT INCIDENT SITE:</u> Emergency alert siren sounded as per the instruction of SIC.
12.51	<u>AT INCIDENT SITE:</u> Ammonia control room instructed process operator for closure of NG gas line leak source upstream isolation valve.
12.51	<u>AT INCIDENT SITE:</u> Switch over activity started (APM Natural Gas → RLNG)
12.56	<u>AT INCIDENT SITE:</u> NG gas line leak source upstream isolation valve isolated by Ammonia process person & informed to Ammonia C/R
12.57	<u>At ECC:</u> Information given to Local MIDC Fire station & requested for Fire tender for emergency mitigation.
12.58	<u>At ECC:</u> Information provided to ONGC-Uran, & MARG members.
12.59	<u>AT INCIDENT SITE:</u> After NG line Valve isolation, isolated portion flaring started.
12.59	<u>AT INCIDENT SITE:</u> Line Depressurization started at by ammonia control room. The initial pressure was 30 Kg/cm ²
13.00	<u>AT INCIDENT SITE:</u> The Fireman wearing the Inherently Fire-retardant suit progressed to identify the leak source keeping watch on LEL reading. The leak point identified, it was pin hole leak and the LEL reading noted around leak point was 30% LEL. Intimated Maintenance team for leak arresting
13:01	Taloja MIDC fire brigade reached at site.
13.05	<u>AT INCIDENT SITE:</u> The LEL reading noted around leak point was 10 % LEL.
13.06	<u>AT INCIDENT SITE:</u> MARG representative reported at Incident site.
13.07	<u>AT INCIDENT SITE:</u> The LEL reading noted around leak point was 05 % LEL
13.08	<u>AT INCIDENT SITE:</u> The NG line pressure reduced to 1 Kg/cm ²

13.10	<u>AT INCIDENT SITE:</u> The LEL reading noted around leak point was 0 % LEL
13.11	<u>AT INCIDENT SITE:</u> Mechanical team arrived at leak point and started their clamping work with non-sparking tools.
13.14	<u>AT INCIDENT SITE:</u> One technician felt giddiness during clamping activity. After first aid, Casualty immediately shifted to OHC for further treatment with the help of Ambulance. Ambulance was available at incident site which came as a part of emergency call.
13.15	<u>AT INCIDENT SITE:</u> Clamping activity complete.
13.16	<u>AT INCIDENT SITE:</u> After getting clearance from Process In charge, Mr. Landge, SIC unformed to ammonia control room about the arresting of leak and asked to open the NG line valve for line pressurisation.
13.18	<u>AT INCIDENT SITE:</u> Gradually increased the pressure up to 16 Kg/cm2 and found no leak on the line.
13.20	<u>AT INCIDENT SITE:</u> Slowly Line pressurisation started by process person by NG line valve opening which was previously isolated in coordination with control room.
13.22	<u>AT INCIDENT SITE:</u> 30 Kg/cm2 pressure reached in line and tested for LEL. Found zero LEL.
13.23	<u>AT INCIDENT SITE:</u> Mr. Landge gave signal to Ammonia CR to change over to RLNG → APM Natural Gas.
13.23	<u>AT INCIDENT SITE:</u> Cathodic protection normalises by Mr. Ramdas, Electrical In charge.
13.25	<u>AT INCIDENT SITE:</u> Line pressure increased to 30 Kg/cm2 which is normal pressure. LEL checked around the clamped leak point. No leak observed. LEL reading was nil.
13.25	<u>AT INCIDENT SITE:</u> All clear given jointly by Site Emergency Controller and Chief Emergency Controller.
13.25	<u>AT INCIDENT SITE:</u> Head counting done at site.
13.25	<u>AT INCIDENT SITE:</u> Emergency was under control and situation was normalised declared at control room.

Other observations noted during debriefing are listed for improvement as follows


S.N.	Observation	Responsibility	Dept
1	All the Emergency responders performed their roles as per ERDMP and within timelines.	For Info	
2	For leak checking of the pipeline after clamping, additional to the Gas detector – soap solution to be kept with	Sameer Patil	Mech Maint
3	Awareness to the gate security personnel about the chemical leak emergencies	Security	security
4	Fire hydrant network, fire tender (DFPCL & mutual aid partners) pressure not monitored and communicated to ECC during entire mock drill	Fire officers	EHS
5	ECC occupied with firefighting team and panel, sitting arrangement of emergency coordinators – CIC, Admin coordinator, HSE, Security and room size observed inadequate.	Deepak Pande	EHS

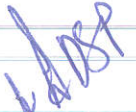
 SMARTCHEM TECHNOLOGIES LTD.	Integrated Management System	
	Doc Name: MOCK DRILL REPORT	
	Doc Code: SAF-F-07	
	Issue No: 01	Rev No: 01

MEMBER PARTICIPATED

S. N.	Name	Department
1	Mr. Sanjay Landge	Site Incident Controller
2	Mr. Navin Shrivastava	Chief Incident Controller
3	Mr. Abhinav Patil	CM Cell
4	Mr. Sameer Patil	Mechanical
5	Mrs. Jayshree Katkar	HR
6	Mr. Upendra Mishra	AVP Gr.-I
7	Mr. Deepak Pande	EHS
8	Mr. Pradip Tandel	EHS
9	Mr. Anil Kadam	EHS
10	Rakesh Mhatre	Fire
11	Mr. Shankar Thale	Fire
12	Mr. Vijay Kamble	Security
13	Mr. Sibram Sabat	Security
14	Mr. Sandeep Mokashi	Electrical
15	Mr. Ramdas Jadhav	Electrical
	CIVIL & ADMINISTRATIVE	
16	Mr. Khatode	MARG Member (Apcotex)
17	Mr. Deepak Darugade & team	Fire officer from MIDC fire station

8. Total Head Count of offsite Mock drill at site: 59 Nos.


Mr. Sanjay Landge
 Name & Signature of
 Site Incident controller


Mr. Navin Shrivastav
 Name & Signature
 Chief Incident Controller



SMARTCHEM TECHNOLOGIES LTD.

Integrated Management System

Doc Name: **MOCK DRILL REPORT**

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Enclosed: - Some events photos during the Mock drill



Mr. xxx (Primary Observer), of M/s Vijay Tank working just outside the GRS hear the leak sound from Gas receiving station-- Ammonia Plant



Primary observer convey the message to ECR by operating nearest Manual call Point



Local Evacuation done at Incident Site



Local Evacuation done at Incident Site



Fire crew Arrival at Incident Site



Operation team rushed towards the Incident site



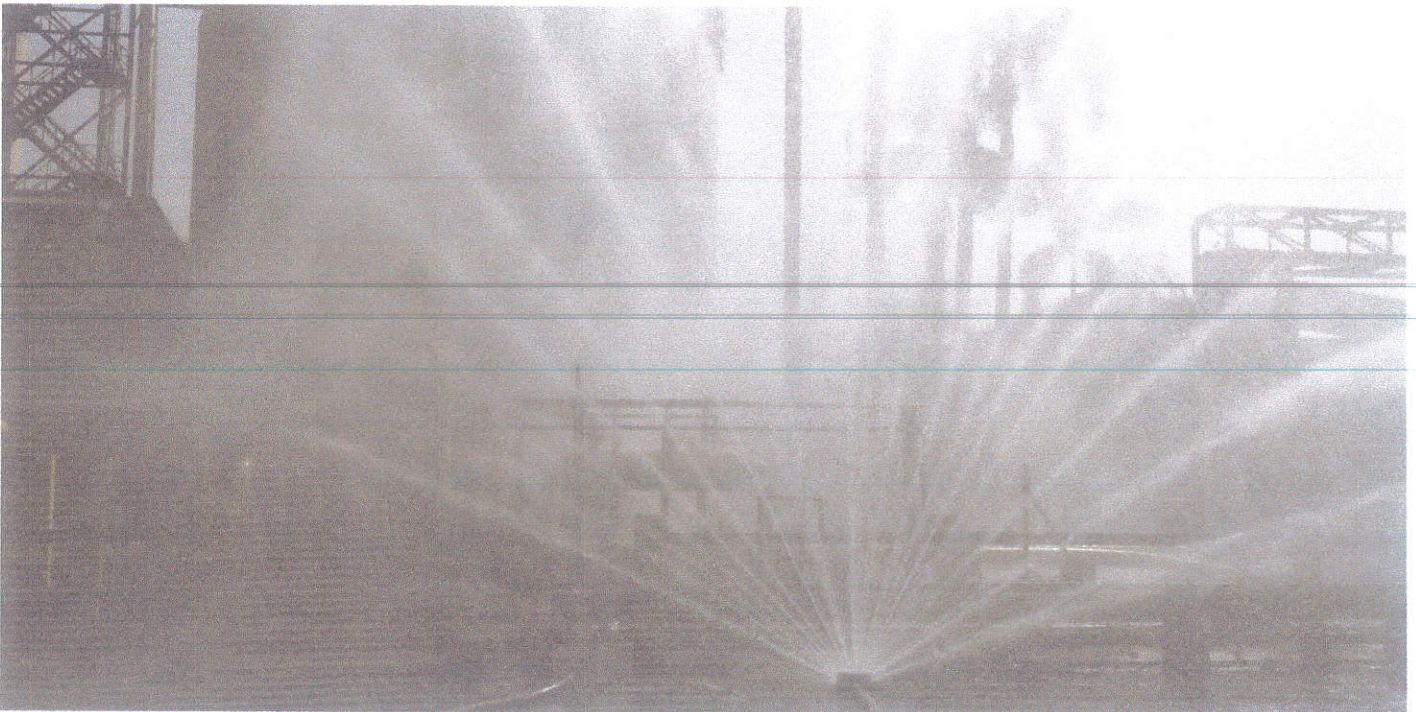
Chief Incident Controller rushed towards the Emergency Control Center



LEL checked by Fire team by wearing PPE & SCBA sets



Emergency team in action at Incident Site



Mayura curtain/Water Spray started to Disperse/Contain the gas



Clamping activity is in progress by Mechanical team



LEL checking done after charging the NG Pipeline



Casualty at Incident Site



Casualty Handling at Incident Site



Casualty Shifting for further treatment at OHC



Casualty Shifting for further treatment at OHC



Observers at Incident Site



Communication between SIC & Chief Incident Controller



MIDC Fire Vehicles at Incident Site



Head-counting done at Incident Site



All members involved in NG pipeline Mock Drill