



DEEPAK FERTILISERS
AND PETROCHEMICALS
CORPORATION LIMITED

DFPCL-K1/EHS/Env/2020-21/26

27-Nov- 2020

**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 **April-2020 to September -2020**.

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

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 2019-20 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	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

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

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 30/09/2020
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)	Total water requirement should not exceed 2800 m3/day as per permission accorded by MIDC vide letters dated 03.03.04 and 07.07.05. Further, efforts shall be made for further conservation of water and utilization of waste water.	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 PM ₁₀ & PM _{2.5} , SO ₂ , NO ₂ & NH ₃ and CO. 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 30/09/2020
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 six different locations and ambient noise level is within the standards prescribed. Requisite 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. Around 31 % of plot area is developed as Green belt. Additional MIDC plot next to our premises is being aquired from MIDC to develop green belt which will meet the requirment of 33% green blet. In addition to this, green belt on 50 acre of degraded forest land is also developed at Dhavdi Village, near Dombivali, ~ 12-15 kms away from our site.
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.

SN	Specific Conditions	Status of compliance as on 30/09/2020
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.
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. (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 29 th May 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.

SN	Specific Conditions	Status of compliance as on 30/09/2020
xxviii)	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website & shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB & the SPCB. The criteria pollutant levels namely SPM, RSPM, SO ₂ , NO ₂ (ambient levels as well as stack emissions) or critical sectoral parameters indicated for the project shall be monitored & displayed at a convenient location near the main gate of the company in the public domain.	Six monthly compliance reports are being sent to MPCB and regional office of MOEF. Last report was sent on 29 th May 2020. Copy of the same posted on the company's web-site. Three continuous monitoring AAQM stations are installed and connected to MPCB portal. These station monitors various parameters like PM10 & PM 2.5, SO ₂ , NO _x , NH ₃ & CO. This data is displayed at main gate. Stack emissions are also monitored periodically through the MOEF approved third party laboratory.
xxix)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB & the SPCB.	Six monthly compliance reports are being sent to MPCB and regional office of MOEF. Last report was sent on 29 th May 2020.
xxx)	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned SPCB as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions & shall also be sent to respective Regional Offices of MoEF by e-mail.	The environmental statement for each financial year ending 31 st March in Form-V as is being submitted online to the MPCB before 30th September. Form V is also being uploaded on company website. (Form -V was submitted online on 28.09.2019 for financial year 2019-20).
xxxi)	The environmental clearance is being issued without prejudice to the court case pending in the court of law & it does not mean that project proponent has not violated any environmental laws in the past & whatever decision of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him.	Noted
xxxii)	The Environment department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	Noted.
xxxiii)	Validity of Environment Clearance - The Environmental Clearance accorded shall be valid for a period of 5 years to start of production operations.	Noted and complied.
xxxiv)	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the conditions imposed and to incorporate additional environmental protection measures required, if any.	Noted.
xxxv)	The above conditions would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the Public Liability Insurance Act, 1991 and its amendments.	Noted
xxxvi)	Any appeal against this environment clearance shall lie with the National Environmental Appellate Authority, if preferred, within 30 days as prescribed under section 11 of the National Environmental Appellate Act, 1997.	Noted

Annexure 1: Ambient Air Monitoring Reports



Netel (India) Limited

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
10.06.2020		12.06.2020	12.06.2020	15.06.2020	16.06.2020	
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 : Main Gate			Sample Code : NIL/AA/06/20/013			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	53.3	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	19.5	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	9.2	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	13.7	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.86	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	1.9	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	32.5	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	BDL	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	BDL	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	14.7	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	3.3	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	BDL	---

Note :

- * MDL – Method Detectible Limit.
- ** BDL – Below Detectible Limit.
- † Laboratory SOP, based on CPCB Guidelines Volumes I & II
- This Test Report shall not be reproduced except in full, without written approval of the Laboratory.
- 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:

Ajunda
Surekha Jamdar
Dy. Technical Manager

Issued by:

Shraddha Kere
Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

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

Tel. : + 91 022 2760 7102 / 2760 7103
Fax : + 91 022 2760 7100

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

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
10.06.2020		12.06.2020	12.06.2020	15.06.2020	16.06.2020	
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/06/20/014			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	51.6	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	25.6	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	11.5	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	16.4	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	2.7	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	26.4	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	BDL	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	BDL	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	12.8	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	2.4	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	BDL	---

Note :

- * MDL – Method Detectible Limit.
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- † Laboratory SOP, based on CPCB Guidelines Volumns I & II
- This Test Report shall not be reproduced except in full, without written approval of the Laboratory.
- 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

A Neterwala Group Company

W-408, Rabale MIDC,
TTC Industrial Area,
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Tel. : + 91 022 2760 7102 / 2760 7103
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Netel (India) Limited

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
11.06.2020		13.06.2020	13.06.2020	16.06.2020	17.06.2020	
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/06/20/021			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	55.0	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	19.1	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	11.5	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	19.0	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.75	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	2.2	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	22.6	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	BDL	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	BDL	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	16.3	---
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	BDL	---

Note :

1. * MDL – Method Detectible Limit.
2. ** BDL – Below Detectible Limit.
3. † Laboratory SOP, based on CPCB Guidelines Volumns I & II
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
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.
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Tel. : + 91 022 2760 7102 / 2760 7103
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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

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
10.06.2020		12.06.2020	12.06.2020	15.06.2020	16.06.2020	
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/06/20/015			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	48.1	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	13.1	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	20.2	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.80	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	4.5	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	21.1	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	BDL	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	BDL	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	18.2	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	3.1	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	BDL	---

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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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

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
11.06.2020		13.06.2020	13.06.2020	16.06.2020	17.06.2020	
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 Raw Material Storage Area			Sample Code : NIL/AA/06/20/019			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	54.5	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	20.0	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	14.1	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	23.7	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.99	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	28.3	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	BDL	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	BDL	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	18.4	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	2.8	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	BDL	---

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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Netel (India) Limited

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
11.06.2020		13.06.2020	13.06.2020	16.06.2020	17.06.2020	
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/06/20/020			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	48.6	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	17.4	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	11.8	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	17.3	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.88	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	3.6	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	23.3	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	BDL	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	BDL	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	15.5	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	2.4	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	BDL	---

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

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Netel (India) Limited

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
31.07.2020		03.08.2020	03.08.2020	06.08.2020	07.08.2020	
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 : Gate No.2			Sample Code : NIL/AA/08/20/004			
Sr. No.	Test Parameter	Method	Unit	MDL *	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m ³	10	51.0	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m ³	5	20.0	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m ³	6.5	12.7	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m ³	4	19.9	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m ³	0.01	1.04	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m ³	1	4.1	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m ³	6	39.0	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m ³	1	1.7	100 for 8 hrs.
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	ng/m ³	0.5	BDL	1
10	Lead (Pb)	APHA - Air 3 rd Edition (Method 822)	µg/m ³	0.1	BDL	1
11	Arsenic (As)		ng/m ³	1	BDL	6
12	Nickel (Ni)		ng/m ³	1	BDL	20
13	Hydrocarbon (HC)	IS-5182 (Part-11)	µg/m ³	1	22.0	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m ³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m ³	1	2.4	---
16	Fluoride	IS-5182 (Part-13)	µg/m ³	0.1	BDL	---

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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Netel (India) Limited

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
31.07.2020		03.08.2020	03.08.2020	06.08.2020	07.08.2020	
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/08/20/005			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	48.7	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	26.9	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	10.0	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	14.6	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.99	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	2.7	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	29.4	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	1.9	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	BDL	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	57.2	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	1.8	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	BDL	---

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Verified by:

Amdar

Surekha Jamdar
Dy. Technical Manager

Issued by:

Shraddha

Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

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Netel (India) Limited

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
31.07.2020		03.08.2020	03.08.2020	06.08.2020	07.08.2020	
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/08/20/006			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	46.9	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	20.8	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	13.2	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	19.3	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.08	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	1.1	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	36.6	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	1.3	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	BDL	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	55.4	---
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	BDL	---

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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

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
31.07.2020		03.08.2020	03.08.2020	06.08.2020	07.08.2020	
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/08/20/007			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	52.4	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	27.8	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	10.3	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	14.4	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	1.3	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	36.6	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	1.7	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	BDL	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	57.5	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	3.5	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	BDL	---

Note :

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Dy. Technical Manager

Issued by:

Shraddha Kere
Technical Manager

End of Report

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Netel (India) Limited

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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	
31.07.2020		03.08.2020	03.08.2020	06.08.2020	07.08.2020	
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 Raw Material Storage Area			Sample Code : NIL/AA/08/20/008			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	50.2	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	11.5	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	17.9	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.91	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	4.0	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	33.2	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	1.3	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	BDL	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	46.5	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	3.3	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	BDL	---

Note :

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2. ** BDL – Below Detectible Limit.
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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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CIN : U74999MH2003PLC142228



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





Netel (India) Limited

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
31.07.2020		03.08.2020	03.08.2020	06.08.2020	07.08.2020	
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/08/20/009			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	53.7	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	28.6	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	12.0	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	17.8	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.95	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	3.1	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	50.0	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	1.8	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	BDL	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	34.9	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	2.7	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	BDL	---

Note :

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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

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
19.08.2020		21.08.2020	21.08.2020	24.08.2020	25.08.2020	
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 : Main Gate			Sample Code : NIL/AA/08/20/138			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	NAAQS Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	46.5	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	20.0	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	11.5	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	18.4	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.18	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	1.8	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	35.0	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	11.2	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	51.3	---
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	0.24	---

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Surekha Jamdar
Dy. Technical Manager

Issued by:

Shraddha Kere
Technical Manager

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Netel (India) Limited

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
19.08.2020		21.08.2020	21.08.2020	24.08.2020	25.08.2020	
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)			
Location : NPK Gate No. 4			Sample Code : NIL/AA/08/20/139			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	NAAQS Limi
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	51.9	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	10.8	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	16.2	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.04	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	1.3	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	50.2	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	11.4	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	0.25	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	42.4	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	1.2	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	0.38	---

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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

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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	
19.08.2020		21.08.2020	21.08.2020	24.08.2020	25.08.2020	
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/08/20/140			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	NAAQS Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	47.9	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	18.2	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	12.2	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	19.3	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.05	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	2.3	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	32.7	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	12.2	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	0.19	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	33.6	---
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	0.33	---

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Surekha Jamdar
Dy. Technical Manager

Issued by:

Shradha Kere
Technical Manager

End of Report

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Netel (India) Limited

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
20.08.2020		22.08.2020	22.08.2020	25.08.2020	26.08.2020	
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/08/20/141			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	NAAQS Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	46.9	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	19.5	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	14.6	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	21.3	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	2.6	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	24.2	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	12.8	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	0.37	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	22.6	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	3.3	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	0.34	---

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Surekha

Surekha Jamdar
Dy. Technical Manager

Issued by:

Shraddha

Shraddha Kere
Technical Manager

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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	
20.08.2020		22.08.2020	22.08.2020	25.08.2020	26.08.2020	
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 Raw Material Storage Area			Sample Code : NIL/AA/08/20/142			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	NAAQS Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	44.5	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	19.5	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	13.5	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	21.7	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	2.8	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	50.9	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	8.3	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	44.1	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	3.6	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	0.16	---

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Surekha Jamdar
Dy. Technical Manager

Issued by:

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Technical Manager

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Netel (India) Limited

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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	
20.08.2020		22.08.2020	22.08.2020	25.08.2020	26.08.2020	
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 : Bladder & 50ml Plastic Bottle (4 nos)			
Location : NPK Production Unit			Sample Code : NIL/AA/08/20/143			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	NAAQS Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	50.8	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	24.3	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	12.6	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	19.2	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.08	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	2.0	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	28.9	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	7.7	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	0.40	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	47.3	---
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	0.29	---

Note :

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Verified by:

Surekha

Surekha Jamdar
Dy. Technical Manager

Issued by:

Shraddha

Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

W-408, Rabale MIDC,
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Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61



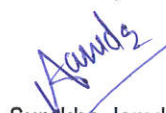
AMBIENT AIR QUALITY MONITORING REPORT

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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
08.09.2020		10.09.2020	10.09.2020	14.09.2020	15.09.2020	
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 Raw Material Storage Area			Sample Code : NIL/AA/09/20/049			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	61.1	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	23.9	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	12.8	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	17.3	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.12	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	1.6	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	31.1	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	9.4	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	0.16	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	15.1	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	3.9	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	0.15	---

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Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
08.09.2020		10.09.2020	10.09.2020	14.09.2020	15.09.2020	
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/09/20/050			
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	22.1	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	16.6	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	23.1	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.95	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	2.5	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	15.2	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	9.9	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	0.25	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	19.0	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	4.0	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	0.35	---

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Verified by:

(Signature)
Surekha Jamdar
 Dy. Technical Manager

Issued by:

(Signature)
Shraddha Kere
 Technical Manager

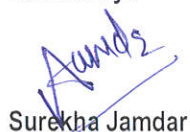
End of Report

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
08.09.2020		10.09.2020	10.09.2020	14.09.2020	15.09.2020	
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/09/20/051			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	62.4	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	25.2	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	11.0	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	15.4	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.85	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	2.1	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	30.2	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	13.2	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	0.33	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	24.2	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	3.5	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	0.19	---

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shradha Kere
Technical Manager

End of Report

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
09.09.2020		11.09.2020	11.09.2020	14.09.2020	15.09.2020	
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 : Gate No. 2			Sample Code : NIL/AA/09/20/076			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	68.6	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	24.3	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	9.0	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	14.4	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.96	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	1.5	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	23.3	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	8.4	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	0.34	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	35.0	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	4.2	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	0.23	---

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Verified by:

(Signature)
Surekha Jamdar
 Dy. Technical Manager

Issued by:

(Signature)
Shraddha Kere
 Technical Manager


End of Report

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
09.09.2020		11.09.2020	11.09.2020	14.09.2020	15.09.2020	
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/09/20/077			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m ³	10	67.5	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m ³	5	26.9	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m ³	6.5	12.6	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m ³	4	19.8	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m ³	0.01	0.83	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m ³	1	2.8	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m ³	6	18.3	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m ³	1	13.8	100 for 8 hrs.
9	Benzo - a - Pyrene (BaP)	IS-5182 (Part-12)	ng/m ³	0.5	BDL	1
10	Lead (Pb)	APHA - Air 3 rd Edition (Method 822)	µg/m ³	0.1	0.16	1
11	Arsenic (As)		ng/m ³	1	BDL	6
12	Nickel (Ni)		ng/m ³	1	BDL	20
13	Hydrocarbon (HC)	IS-5182 (Part-11)	µg/m ³	1	38.0	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m ³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m ³	1	3.3	---
16	Fluoride	IS-5182 (Part-13)	µg/m ³	0.1	0.25	---

Note :

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shradha Kere
Technical Manager

End of Report

AMBIENT AIR QUALITY 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
09.09.2020		11.09.2020	11.09.2020	14.09.2020	15.09.2020	
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 : Near IPA Gate			Sample Code : NIL/AA/09/20/078			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	CPCB Limit
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	59.9	100
2	Particulate Matter (PM _{2.5})	NIL/AIR/SOP/03 [†]	µg/m³	5	22.6	60
3	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	14.2	80
4	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	18.2	80
5	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.92	2 for 8 hrs.
6	Benzene (C ₆ H ₆)	IS-5182 (Part-11)	µg/m³	1	2.3	5
7	Ammonia (NH ₃)	ISC Part-II (Method-401)	µg/m³	6	25.2	400
8	Ozone (O ₃)	IS-5182 (Part-09)	µg/m³	1	11.2	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	0.20	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	59.6	---
14	Sulfur Trioxide (SO ₃)	By Calculation	µg/m³	8	BDL	---
15	Acid Mist	ICMA Manual (Part 2)	µg/m³	1	2.9	---
16	Fluoride	IS-5182 (Part-13)	µg/m³	0.1	0.20	---

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

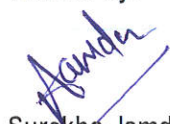
Annexure 1B: Work Zone Monitoring Reports

WORKPLACE AIR 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
15.06.2020		17.06.2020	17.06.2020	20.06.2020	22.06.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg. : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 1			Sample Code : NIL/AA/06/20/041			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	45.3	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	10.2	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	14.4	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.91	55

Note :

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3. Sampling done by Netel (India) Limited.
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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

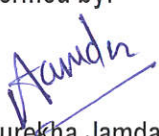
WORKPLACE AIR MONITORING REPORT

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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
15.06.2020		17.06.2020	17.06.2020	20.06.2020	22.06.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg. : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 2			Sample Code : NIL/AA/06/20/042			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	53.2	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	13.2	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	19.7	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.97	55

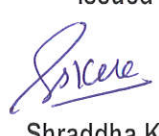
Note :

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Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report


WORKPLACE AIR 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
15.06.2020		17.06.2020	17.06.2020	20.06.2020	22.06.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg. : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 5			Sample Code : NIL/AA/06/20/043			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	47.4	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	14.1	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	22.6	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.06	55

Note :

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2. ** BDL – Below Detectible Limit.
3. Sampling done by Netel (India) Limited.
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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

WORKPLACE AIR 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						
Date of Sampling		Sample Received Date		Analysis Start Date	Analysis Complete Date	Report on Date
31.07.2020		03.08.2020		03.08.2020	06.08.2020	07.08.2020
Sample Type : Workplace (Air)				Sample Qty. & Pkg. : Filter Paper, Bladder & Plastic Bottles		
Location : G.T. No. 1				Sample Code : NIL/AA/07/20/001		
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	56.4	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	13.2	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	18.1	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.04	55

Note :

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Verified by:


Surekha Jamdar
Dy. Technical Manager

Issued by:


Shraddha Kere
Technical Manager

End of Report

WORKPLACE AIR 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
31.07.2020		03.08.2020	03.08.2020	06.08.2020	07.08.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg. : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 2			Sample Code : NIL/AA/07/20/002			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	48.3	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	12.4	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	18.2	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.17	55

Note :

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Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report

WORKPLACE AIR 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
31.07.2020		03.08.2020	03.08.2020	06.08.2020	07.08.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg. : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 5			Sample Code : NIL/AA/07/20/003			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	61.1	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	15.3	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	20.8	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.94	55

Note :

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Verified by:

(Signature)
Surekha Jamdar
 Dy. Technical Manager

Issued by:

(Signature)
Shraddha Kere
 Technical Manager

End of Report



Netel (India) Limited

WORKPLACE AIR 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
19.08.2020		20.08.2020	20.08.2020	24.08.2020	25.08.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 1			Sample Code : NIL/AA/08/20/134			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	54.8	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	11.9	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	16.3	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.84	55

Note :

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Verified by:

Aamda

Surekha Jamdar
Dy. Technical Manager

Issued by:

Shraddha Kere

Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

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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

WORKPLACE AIR 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
19.08.2020		20.08.2020	20.08.2020	24.08.2020	25.08.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg. : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 2			Sample Code : NIL/AA/08/20/135			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	58.2	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	14.1	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	17.7	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	1.21	55

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

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

WORKPLACE AIR 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
19.08.2020		20.08.2020	20.08.2020	24.08.2020	25.08.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 5			Sample Code : NIL/AA/08/20/136			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m ³	10	59.4	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m ³	6.5	12.4	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m ³	4	16.7	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m ³	0.01	1.10	55

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

A Neterwala Group Company

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WORKPLACE AIR 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
10.09.2020		12.09.2020	12.09.2020	14.09.2020	15.09.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg. : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 1			Sample Code : NIL/AA/09/20/079			
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	27.8	13000
3	Oxides of Nitrogen (NO _x)	IS-5182 (Part-06)	µg/m³	4	19.4	9000
4	Carbon Monoxide (CO)	IS-5182 (Part-10)	mg/m³	0.01	0.87	55

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Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report


WORKPLACE AIR 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
10.09.2020		12.09.2020	12.09.2020	14.09.2020	15.09.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg.: Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 2			Sample Code : NIL/AA/09/20/080			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	66.1	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	20.8	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	1.08	55

Note :

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Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report

WORKPLACE AIR 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						
Date of Sampling		Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date	
10.09.2020		12.09.2020	12.09.2020	14.09.2020	15.09.2020	
Sample Type : Workplace (Air)			Sample Qty. & Pkg. : Filter Paper, Bladder & Plastic Bottles			
Location : G.T. No. 5			Sample Code : NIL/AA/09/20/081			
Sr. No.	Test Parameter	Method	Unit	MDL*	Results	OSHA Limits
1	Particulate Matter (PM ₁₀)	IS-5182 (Part-23)	µg/m³	10	68.5	5000
2	Sulphur Dioxide (SO ₂)	IS-5182 (Part-02)	µg/m³	6.5	24.3	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	1.31	55

Note :

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Verified by:


Surekha Jamdar
 Dy. Technical Manager

Issued by:


Shraddha Kere
 Technical Manager

End of Report

Annexure 2: Ground Water Monitoring Reports

GROUND WATER MONITORING REPORT

Name of Organization	: 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

Date of Sampling	Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date
17.06.2020	19.06.2020	19.06.2020	22.06.2020	23.06.2020

Sample Type	: Water	Sampling done by	: Netel (India) Limited
Sample Container	: Plastic can	Container / Qtn.	: 2 Litres
Sampling Location	: Near ETP Ground Water - B.W	Sample Code	: NIL/W/06/20/069

Sr. No.	Test Parameter	Method	Unit	MDL*	Result	Specification as per IS 10500:2012
1	Temperature	APHA 2550-B	°C	0.1	28.3	---
2	Colour	IS 3025 (Part 4)	Hazen	5	7	15
3	Odour	APHA 2150-A	—	---	Agreeable	Agreeable
4	pH	IS 3025 (Part 11)	—	0.5 - 13.5	7.24	6.0 - 8.5
5	Electrical Conductivity	IS 3025 (Part 14)	mS/cm	0.05	7.074	---
6	Total Dissolved Solids	IS 3025 (Part 16)	mg/lit	5	783	2000
7	COD	IS 3025 (Part 58)	mg/lit	10	22	250
8	Chloride	APHA 4500-Cl	mg/lit	2.5	45	250
9	Sulphate	APHA 4500-SO4-E	mg/lit	5	41.9	200
10	Fluoride	APHA 4500-F-D	mg/lit	0.2	1.1	1
11	Nitrate	IS 3025 (Part 34)	mg/lit	0.05	6.7	45
12	Nitrite	IS 3025 (Part 34)	mg/lit	0.01	2.8	---
13	Phosphate (Phosphorus)	APHA 4500-P-C	mg/lit	1	BDL	---
14	Sodium	IS 3025 (Part 45)	mg/lit	0.05	17.2	---
15	Potassium	IS 3025 (Part 45)	mg/lit	0.05	2.2	---
16	Iron	APHA 3111-B	mg/lit	0.03	BDL	0.3
17	Magnesium	IS 3025 (Part 21 & 40)	mg/lit	5	18	30
18	Manganese	APHA 3111-B	mg/lit	0.01	BDL	0.1
19	Mercury	APHA 3112-B (by FIAS)	mg/lit	0.001	BDL	0.001
20	Cadmium	APHA 3111-B	mg/lit	0.001	BDL	0.003
21	Selenium	APHA 3111-B	mg/lit	0.005	BDL	0.01
22	Arsenic	APHA 3114-C	mg/lit	0.005	BDL	0.01
23	Lead	APHA 3111-B	mg/lit	0.01	BDL	0.01
24	Silver	APHA 3111-B	mg/lit	0.05	BDL	0.1
25	Zinc	APHA 3111-B	mg/lit	0.01	BDL	5
26	Nickel	APHA 3111-B	mg/lit	0.01	BDL	0.02
27	Aluminium	APHA 3111-B	mg/lit	0.02	BDL	0.03
28	Copper	APHA 3111-B	mg/lit	0.01	BDL	0.05
29	Molybdenum	APHA 3111-B	mg/lit	0.01	BDL	0.07
30	Boron	APHA 4500-B	mg/lit	0.2	BDL	0.5

Sampling Location : Near ETP Ground Water - B.W				Sample Code : NIL/W/06/20/069		
Sr. No.	Test Parameter	Method	Unit	MDL*	Result	Specification as per IS 10500:2012
31	Total Chromium (as Cr)	APHA 3111-B	mg/lit	0.01	BDL	0.05
32	Hexavalent Chromium (Cr6+)	APHA 3500-Cr-B	mg/lit	0.1	BDL	---
33	Cobalt	APHA 3111-B	mg/lit	0.01	BDL	---
34	Calcium	IS 3025 (Part 40)	mg/lit	5	34	75
35	Carbonate	IS 3025 (Part 23)	mg/lit	5	0.0	---
36	Bicarbonate	IS 3025 (Part 23)	mg/lit	5	66	---
37	Total Coliform	IS 1622 : 1981	MPN/100ml	0	BDL	Absent
38	Faecal Coliform	IS 1622 : 1981	—	0	BDL	Absent

Note :

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5. 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

GROUND WATER MONITORING REPORT

Name of Organization	: 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

Date of Sampling	Sample Received Date	Analysis Start Date	Analysis Complete Date	Report on Date
17.06.2020	19.06.2020	19.06.2020	22.06.2020	23.06.2020

Sample Type	: Water	Sampling done by	: Netel (India) Limited
Sample Container	: Plastic can	Sample Quantity	: 2 Litres
Sampling Location	: Near ETP Ground Water - B.W	Sample Code	: NIL/W/06/20/069

Sr. No.	Test Parameter	Method	Unit	Result
1	Alachlor	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
2	Atrazine	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
3	Aldrin/Dieldrin	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
4	Alpha-HCH	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
5	Beta-HCH	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
6	Gamma-HCH (Lindane)	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
7	Delta-HCH	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
8	Butachlor	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
9	Chlorpyrifos	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
10	2, 4-Dichlorophenoxy acetic acid	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
11	DDT (o, p' & p, p'- isomers of DDT, DDE and DDD)	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
12	Endosulfan (alpha, beta and sulphate)	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
13	Ethion	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
14	Isoproturon	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
15	Malathion	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
16	Methyl Parathion	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
17	Monocrotophos	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01
18	Phorate	APHA 6630-B, 23rd Edition 2017	mg/l	<0.01

Note :

1. MDL – Method Detectible Limit.
2. BDL – Below Detectible Limit.
3. This Test Report shall not be reproduced except in full, without written approval of the Laboratory.
4. This Test Report refers only to the sample tested.
5. 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

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

Tel. : 22066231 / 61

Head office : **NETEL (I) Ltd.,** W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701. INDIA

Tel. : 7208097693 / 7208097694 / 7208097692 / 7208097695.

E-mail : ems@netel-india.com • Website : www.netel-india.com CIN : U74999MH2003PLC142228



Annexure 3: Ambient Noise Monitoring Reports

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 : 11.06.2020			Date of Calibration : 27.09.2019		
Date of Reporting : 15.06.2020			Next Calibration Due : 28.09.2020		
Sr. No.	Location	Leq (dBA)			
		Day	MPCB Limit	Night	MPCB Limit
1	Main Gate	68.1	75	66.4	70
2	NPK Gate No. 4	53.5	75	53.8	70
3	NPK Raw Material Storage Area	67.4	75	65.6	70
4	NPK Production Unit	56.7	75	56.5	70
5	Near IPA Gate	64.1	75	63.8	70
6	Near CFB Cooling Tower	70.5	75	68.5	70
7	Ammonia Unloading	59.8	75	59.4	70
8	K-6 Plot (Near Main Gate)	70.1	75	69.2	70

Note :

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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

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 : 31.07.2020			Date of Calibration : 27.09.2019		
Date of Reporting : 03.08.2020			Next Calibration Due : 28.09.2020		
Sr. No.	Location	Leq (dBA)			
		Day	MPCB Limit	Night	MPCB Limit
1	Main Gate	68.4	75	67.1	70
2	NPK Gate No. 4	56.7	75	56.9	70
3	NPK Raw Material Storage Area	69.7	75	69.7	70
4	NPK Production Unit	57.3	75	57.1	70
5	Near IPA Gate	64.0	75	62.5	70
6	Near CFB Cooling Tower	70.5	75	69.7	70
7	Ammonia Unloading	60.3	75	59.6	70
8	K-6 Plot (Near Main Gate)	67.7	75	66.1	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

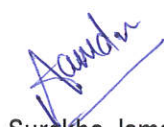
End of Report

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 : 09.09.2020			Date of Calibration : 27.09.2019		
Date of Reporting : 11.09.2020			Next Calibration Due : 28.09.2020		
Sr. No.	Location	Leq (dBA)			
		Day	MPCB Limit	Night	MPCB Limit
1	Main Gate	68.5	75	67.4	70
2	NPK Gate No. 4	55.4	75	54.1	70
3	NPK Raw Material Storage Area	68.8	75	69.1	70
4	NPK Production Unit	55.7	75	54.2	70
5	Near IPA Gate	63.0	75	63.0	70
6	Near CFB Cooling Tower	70.4	75	69.1	70
7	Ammonia Unloading	61.8	75	60.7	70
8	K-6 Plot (Near Main Gate)	70.8	75	69.9	70

Note :

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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



Netel (India) Limited

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 : 20.08.2020			Date of Calibration : 27.09.2019		
Date of Reporting : 24.08.2020			Next Calibration Due : 28.09.2020		
Sr. No.	Location	Leq (dBA)			
		Day	MPCB Limit	Night	MPCB Limit
1	Main Gate	67.6	75	67.0	70
2	NPK Gate No. 4	55.9	75	56.2	70
3	NPK Raw Material Storage Area	69.3	75	69.3	70
4	NPK Production Unit	55.9	75	55.0	70
5	Near IPA Gate	66.6	75	64.8	70
6	Near CFB Cooling Tower	72.1	75	72.6	70
7	Ammonia Unloading	59.1	75	58.4	70
8	K-6 Plot (Near Main Gate)	67.1	75	67.1	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
Surekha Jamdar
Dy. Technical Manager

Issued by:

Shraddha
Shraddha Kere
Technical Manager

End of Report

A Neterwala Group Company

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

Tel. : + 91 022 2760 7102 / 2760 7103
Fax : + 91 022 2760 7100

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



Annexure 4: Mock Drill Reports



DEEPAK FERTILISERS
AND PETROCHEMICALS
CORPORATION LIMITED

DFPCL-K-1/EHS/DISH/2020/49

Date: 15-Oct-2020

Director of Industrial Safety and Health,
Raigad Bhavan, 5th floor,
Konkan Bhavan, CBD,
Belapur, Navi Mumbai – 400 614.

Subject : Submission of the Mock Drill Report conducted at Deepak Fertilizers and
Petrochemical Corporation Ltd Plot K1 to K5

Dear Sir,

Herewith we are submitting the mock drill report which was conducted at Deepak Fertilizers
and Petrochemical Corporation Ltd Plot K1 to K5 on 30.09.2020 at 1055 Hrs.


This is for your kind information and records.


Please acknowledge the receipt of same.


Yours Faithfully,

Deepak Pande.
Head-SIS

16/10/2020
कार्यालय-सहसंचालक औद्योगिक
सुरक्षा व आरोग्य (रायगड)
कोकण भवन . विस्तारित कक्ष
दवा मंजला. बेलापूर, नवी मुंबई-४०० ६१४

	Mock Drill Reporting Format		Prepared by:	Checked by:	Approved by:
	EHS/Safety/SOP-03/F-01		AGM EHS	GM - EHS	HOD-EHS
	DFPCL K-1 -K-5 & K6		Version	2.1	Date:1-Dec-19
Report on On-site Emergency Mock drill (Level-II)					
1.0	Date of Mock drill	30.09.2020			
2.0	Time of Mock Drill	10:55 Hrs.			
3.0	Location of Incident / Mock drill	WNA-3 MCC room (DFPCL K-1 to K- 5)			
4.0	Type of emergency / Scenario	Electric Shock to the person working on Electric Panel			
5.0	Details of Members involved in Mock drill:	1. Mr. Sudam Yewale / Mr. G Munshi (Plant S/I) 2. Mr. Nitin Salavkar (Emergency team leader) 3. Mr. Dinesh Patil (Primary Observer) 4. Dr. Ravindra Jain (OHC)			
6.0	Observer's Location	1. WNA - 3 MCC room / Incident Site (Mr.Rajshekar Bontha) 2. OHC - (Mr. Mahesh Patil) 3. Emergency control center - (Mr. Pradip Tandel)			
7.0	Communication and Action				
Sr. No.	Time Hrs.	Actions taken	Observation / Comment		
I) Action by Primary observer:					
1	10:55 Hrs	Electrical technician observed that his contract electrical person got electrical shock while working on electrical panel.			
2	10:55 Hrs	MCC feeder supply isolated & shock victim separated from contact.			
3	10:56 Hrs	Informed to OHC, Emergency control room, Plant C/R & Electrical S/I about the electric shock of the co-worker at WNA-3 MCC room.			
4	10:57 Hrs	Checked for pulse & Heart beat & given CPR till ambulance reach at site.			
II) Action by control room:					
1	10:56 Hrs	Message received from MCC room about the Electrocutation of the person working in the area.			
2	10:57 Hrs	Conveyed message to OHC & Emergency control centre.			
III) Action at Field:					
1	10:55 Hrs	MCC feeder supply isolated & shock victim separated from contact.			
2	10:56 Hrs	Informed to OHC, Emergency control room, Plant C/R & Electrical S/I about the Electrocutation of the co-worker at WNA-3 MCC room.			
3	10:57 Hrs	Checked for pulse & Heart beat & given CPR till ambulance reach at site.			
4	10:59 Hrs	Ambulance and fire crew reached at site.			
5	11:01 Hrs	Pulse checked & heart beat checked by OHC attendant & immediately victim shifted to OHC for further treatment.			
IV) Action by Site Incident Controller (SIC):					

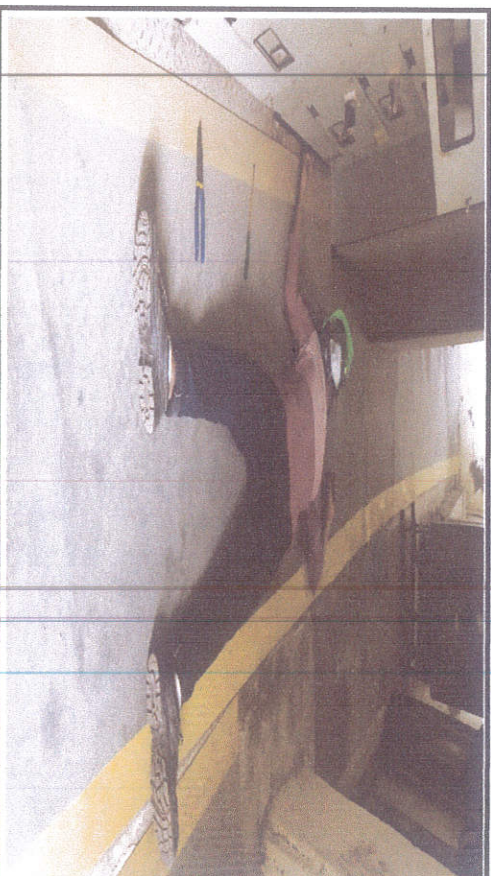
		Mock Drill Reporting Format	Prepared by:	Checked by:	Approved by:
		EHS/Safety/SOP-03/F-01	AGM EHS	GM - EHS	HOD-EHS
		DFPCL K-1 -K-5 & K6	Version	2.1	Date:1-Dec-19
1	10:57 Hrs	S/I arrived at Incident site			
2	10:58 Hrs	Conveyed message to OHC & Emergency control centre.			
3	10:59 Hrs	Ensured for Isolation of electrical panels.			
4	10:59 Hrs	Assisted for CPR, checked for ventilation etc..			
V) Action by Chief Emergency Controller (CEC):					
1	11:06 Hrs	Information received from OHC about the Electrical Shock.			
2	11:10 Hrs	Continuous feedback taken from OHC about the victim.			
3	11:12 Hrs	Taken all necessary details from OHC staff & plant Electrical S/I			
VI) Action by Fire crew / Fire shift In Charge:-					
1	10:56 Hrs	Information received from MCC room about the Electrical Shock			
2	11:03 Hrs	Assisted OHC team to shift the casualty from MCC room to OHC			
VII) Action by Security shift In charge:-					
1		NA			
VIII) Action by Male Nurse / FMO (OHC Team):-					
1	10:56 Hrs	Message received from MCC room about the electrical shock to the person working in the area.			
2	10:59 Hrs	Ambulance reached at incident site			
3	11:04 Hrs	Victim taken at OHC for further treatment			
4	11:05 Hrs	CPR given , further treatment given based on the electrical shock			
5	11:12 Hrs	Person stabilised and arranged to shift for further observation to the city hospital with ambulance.			
IX) Action to reduce the Environmental Impact:-					
1	NA				
8.0 COMMENT ON RESOURCES:-					
1	Resources for the scenario found adequate.				
9.0 POSITIVE POINTS / SHORT COMING OF THE DRILL:-					
Positive Points					
1	All actions by Primary observer ,Site incident controller, Emergency crew members, FMO were prompt				
Short coming					
1	Access towards MCC room found inadequate				

	Mock Drill Reporting Format		Prepared by:	Checked by:	Approved by:
	EHS/Safety/SOP-03/F-01		AGM EHS	GM - EHS	HOD-EHS
	DFPCL K-1 -K-5 & K6		Version	2.1	Date:1-Dec-19
2					
10.0	RECOMMENDATIONS:				
S.N.	Recommendations:	Responsibility	Target Date		
1	Access towards MCC room found inadequate , door opening position needs to be change.	Mr. Sudam Yewale	15.11.20		
2	Refresher First aid training to imparted to all Electrical technicians.	Mr. Sudam Yewale <i>Dr. S.S.</i>	30.12.20		
3	Emergency contact nos. to be display at All MCC rooms / Sub-stations.	Mr. Sudam Yewale <i>Mr. R.M.</i>	20.10.20		
1	Name of the Site Incident controller	Mr. Sudam Yewale			
	Signature of the Site Incident controller	<i>[Signature]</i>			
2	Name of the Chief Emergency Controller	Mr. R Agarwal			
	Sign of the Chief Emergency controller	<i>[Signature]</i>			

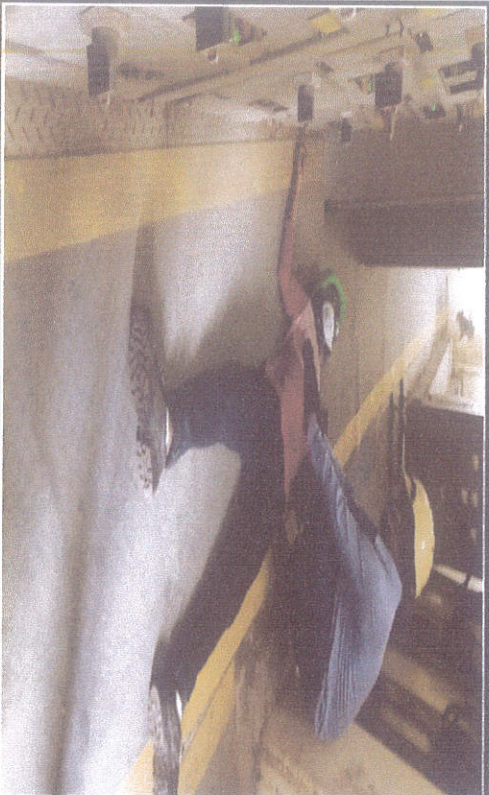
MOCK DRILL AT WNA-3 MCC ROOM (Electrical Shock) DT. 30.09.2020



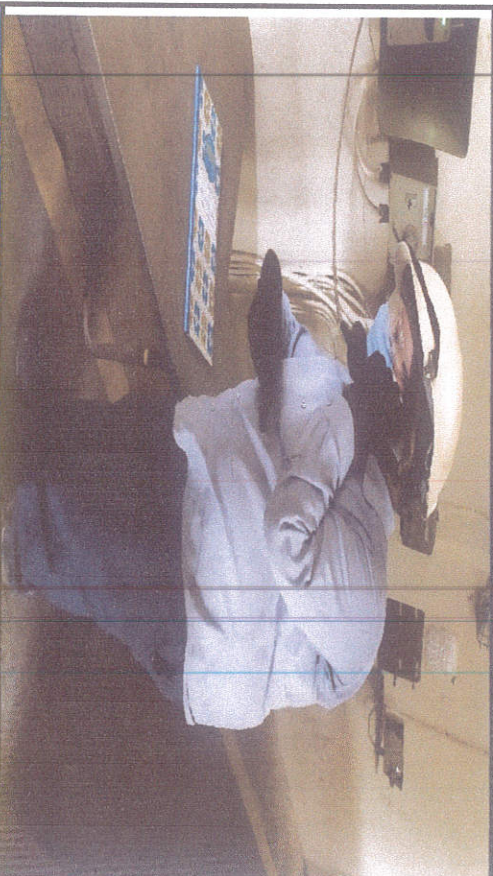
Electrician engaged in their routine PM work



One of the Electrician gets Electric shock & fell down on the floor



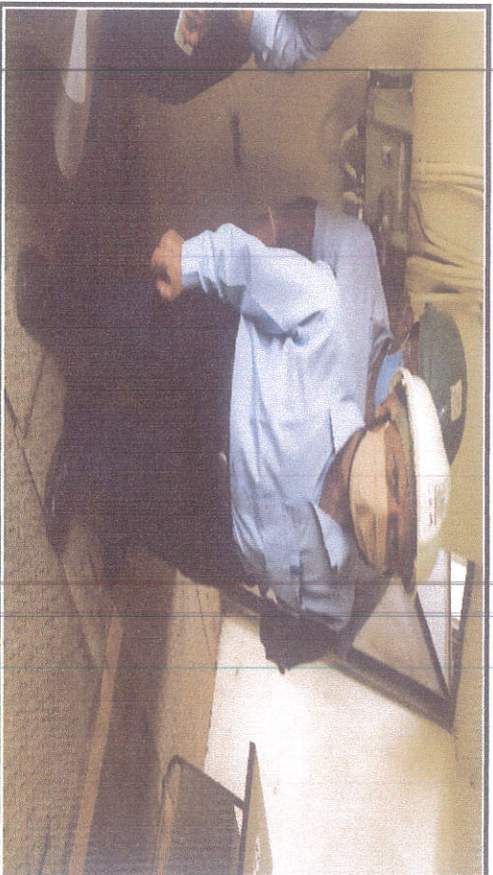
Co-worker try to give CPR at incident site



Conveyed message to OHC, EC & Plant CR



Ambulance arrived at Incident site



Plant S/I arrived at Incident site



Casualty shifted to OHC for further treatment



Medical treatment at OHC



DEEPAK FERTILISERS
AND PETROCHEMICALS
CORPORATION LIMITED

DFPCL-K-6/EHS/DISH/2020/48

Date: 15-Oct-2020

Director of Industrial Safety and Health,
Raigad Bhavan, 5th floor,
Konkan Bhavan, CBD,
Belapur, Navi Mumbai – 400 614.

Subject: Submission of the Mock Drill Report of the DFPCL K6 Unit -Drumming Plant

Dear Sir,

Herewith we are submitting the mock drill report which was conducted at DFPCL K6 Unit - Drumming Plant on 24.09.2020 at 1445 Hrs.

This is for your kind information and records.


Please acknowledge the receipt of same.


Yours Faithfully,


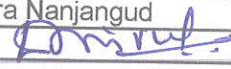

Deepak Pande
(Head-EHS)

Plus
16/10/2020

कार्यालय-सहसचालक औद्योगिक
सुरक्षा व आरोग्य (रायगड)
कोकण भवन . विस्तारित कक्ष
६वा मंजला बेलापूर, नवी मुंबई-४०० ६१४

	Mock Drill Reporting Format		Prepared by:	Checked by:	Approved by:
	EHS/Safety/SOP-03/F-01		AGM EHS	GM - EHS	HOD-EHS
	DFPCL K-1 -K-5 & K6		Version	2.1	Date:1-Dec-19
Report on On-site Emergency Mock drill (Level-I or Level-II)					
1.0	Date of Mock drill	24.09.2020			
2.0	Time of Mock Drill	14:45 Hrs.			
3.0	Location of Incident / Mock drill	Drumming plant K-6 Plot			
4.0	Type of emergency / Scenario	Isopropyl alcohol (IPA) leak at supply line due to flange leak leading to fire (Level-2)			
5.0	Details of Members involved in Mock drill:	1. Mr. S Bhat (Chief Emergency Controller) 2. Mr. Wadheendra Nanjangud & Mr. Vipul Trivedi (Incident controller) 3. Mr. Nitin Salavkar (Fire team leader) 4. Mr. Nitin Patil (Primary Observer - Drumming plant) 5. Mr. Deepak Jadhav (Security S/I) 6. Mr. S Bhosale (OHC) 7. Mr. Pranit Shelke (Adjacent control room) 8. Mr. Shashank Narvekar (Mechanical)			
6.0	Observer's Location	1. Incident Site (Mr.S K Patil)			
7.0	Communication and Action				
Sr. No.	Time Hrs.	Actions taken	Observation / Comment		
I) Action by Primary observer:					
1	14:45 Hrs	Informed to Drumming In-charge Mr. Vipul Trivedi about the IPA leak - in person			
2	14:46 Hrs	Informed about wind direction based on nearby wind sock			
II) Action by control room:					
1	14:45 Hrs	Received Message from field operator about IPA leak.			
2	14:46 Hrs	Information about the IPA leak given to IPA C/R & Emergency control centre			
3	14:46 Hrs	Blown K6 area evacuation siren by informing to the K6 gate security			
III) Action at Field:					
1	14:50 Hrs	Emergency push button operated to stop the IPA transfer pump			
2	14:51 Hrs	Drumming In-charge arrived at site.			
3	14:52 Hrs	Fire & OHC crew along with Fire tender, fire jeep and ambulance arrived at incident site & parked the vehicles considering the wind directions.			
4	14:54 Hrs	Area In-charge arrived at site. .			
5	14:53 Hrs	Emergency crew members started foam application over the IPA spilled area by wearing SCBA & Fire retardant suit			
6	14:55 Hrs	Bunding arrangement also done on drain to contain the spill IPA			
7	14:57 Hrs	Entire Spilled area covered with AR-AFFF foam			

		Mock Drill Reporting Format	Prepared by:	Checked by:	Approved by:
		EHS/Safety/SOP-03/F-01	AGM EHS	GM - EHS	HOD-EHS
		DFPCL K-1 -K-5 & K6	Version	2.1	Date:1-Dec-19
8	14:58 Hrs	Maintenance crew deployed for attending the leak.			
9	15:00 Hrs	All clear siren blown at K6.			
IV) Action by Site Incident Controller (SIC):					
1	14:54 Hrs	Incident controller (Area In charge) arrived at site <ul style="list-style-type: none"> • Taken over charge from K6 drumming In-charge. • Directed to fire dept. to use foam to cover the spill IPA. • Continuous communication with CEC for updating situation at incident site. • Called maintenance crew 			
2	14:55 Hrs	Ensured the pump has stopped to avoid the further IPA spillage			
3	15:00 Hrs	After controlling the emergency, incident controller informed to Chief Emergency Controller. All clear siren blown at K6.			
V) Action by Chief Emergency Controller (CEC):					
1	14:46 Hrs	Message received from Security In-charge			
2	14:48 Hrs	Reached to the Emergency Control room and taken the charge.			
3	14:55 Hrs	In Contact with Site incident controller. Checking & guiding on status of incident, checked for IPA leak, its spread, casualty, resources for the attending emergency			
VI) Action by Fire crew / Fire shift In Charge:-					
1	14:46 Hrs	On receipt of the message about emergency, fire shift In-charge handed over the charge to security shift In-charge & turned out to incident site immediately with fire tender, fire jeep & ambulance .			
2	14:52 Hrs	Fire & OHC crew along with fire tender, fire jeep and ambulance arrived at incident site.			
3	14:53 Hrs	Emergency crew member started foam application over the IPA spilled area by wearing SCBA & Fire suit			
4	14:54 Hrs	Bunding arrangement also done on drain to contain the spill IPA			
5	14:55 Hrs	Entire Spilled area covered with AR-AFFF foam			
VII) Action by Security shift In charge:-					
1	14:47 Hrs	Arrived at emergency control centre and took charge from fire shift In-charge.			
2	14:48 Hrs	Informed to CEC, EHS head and HR Head about the incident.			
3	15:00 Hrs	Head counting done at K6 Main gate by security supervisor			
VIII) Action by Male Nurse / FMO (OHC Team):-					

	Mock Drill Reporting Format		Prepared by:	Checked by:	Approved by:
	EHS/Safety/SOP-03/F-01		AGM EHS	GM - EHS	HOD-EHS
	DFPCL K-1 -K-5 & K6		Version	2.1	Date:1-Dec-19
1	14:46 Hrs	Call received from Fire Mgr. Inform to ambulance driver to reach location.			
2	14:47 Hrs	Ambulance turn out. Inform to FMO			
3	14:52 Hrs	Ambulance reached at incident site			
4	14:53 Hrs	No Casualty reported at site			
IX) Action to reduce the Environmental Impact:-					
1	Bund placed on the drain channels. Asked to arrange tankers to treat contaminated water in the ETP.				
8.0	COMMENT ON RESOURCES:-				
1	Resources found adequate.				
9.0	POSITIVE POINTS / SHORT COMING OF THE DRILL:-				
	Positive Points				
1	Communication at incident control room & at field was good.				
2	Incident controller briefed the incident to emergency control centre correctly & informed about the actions they are taking to control the incident.				
3	All actions by Primary observer , Incident control room, Site incident controller, Emergency crew members, FMO and security were prompt				
	Short coming				
1	No proper access for isolation valve of IPA pipeline				
10.0	RECOMMENDATIONS:				
S.N.	Recommendations:	Responsibility	Target Date		
1	Adequate sand bags (10 nos) to be kept at site for bunding of drains in case of large spillage of IPA	Mr. Manish Pandit	30.10.20		
2	Gate near to the battery limit valve found non operational due to the uneven road surface, to be repaired	Mr. Manish Pandit	30.10.20		
3	Heap of grass observed in front of gate which creates unsafe conditions to fire fighters. Also it creates fire hazards. Needs to remove dry grass on regular basis & ensure to have proper dumping	Mr. Makarand Desai	Immediate/Ongoing		
1	Name of the Site Incident controller	Mr. Wadheendra Nanjangud			
	Signature of the Site Incident controller				
2	Name of the Chief Emergency Controller	Mr. S Bhat			
	Sign of the Chief Emergency controller				

9/10/20

MOCK DRILL AT DRUMMING PLANT DT. 24.09.2020



Primary observer rushed towards Drumming C/R



S/I convey message to Fire C/R & IPA C/R



Fire crew reached at site along with Fire vehicles



Ambulance reached at Incident Site



Fire crew in action at Incident site



Surrounding area checked for LEL



Water Mayura curtain operated to contain the radiation Heat



AR-AFFF foam applied on IPA spilled area



Bundling arrangement done on storm drain to contain the IPA spillage



Employee/Contract workers at assembly point