

HCL IT CITY LUCKNOW PRIVATE LIMITED

IT/ITES Special Economic Zone,
Village Kanjehara & Mastemau,
Chack Gajaria Farms, Sultanpur Road, Lucknow, U.P. 226 002
Registered Office: 806, Siddharth, 96, Nehru Place,
New Delhi – 110019
Tel. 011-26444812 / 26282779 CIN:
U74140DL2014PTC264397

Date: 14/09/2020

To,

Member Secretary,
Uttar Pradesh Pollution Control Board,
Building No. TC-12 V, Vibhuti Khand,
Gomti Nagar, Lucknow,
Uttar Pradesh- 226010

Subject: Submission of Environmental Statement Form V for IT Project “HCL Technology Hub” at Chack Gajaria Farms, Sultanpur Road, Lucknow as per rules 14 of Environment (Protection) Rules, 1986 and its subsequent amendments up to date.

Dear Sir,

This is with reference to subject mentioned above, we would like to draw your kind attention that Our unit, IT Project “HCL Technology Hub” at Chack Gajaria Farms, Sultanpur Road, Lucknow is an operational unit and consent to operate has been granted from UPPCB. Further, we are hereby submitting Environment Statement on the Environment management activities executed at our site during the period of April 201 to March 2020 in the prescribed Form V as per rule 14 of Environment (Protection) Rules, 1986 and its subsequent amendments for the financial year ending on 31st March 2020.

We understand this is in line with regulatory requirements.

Thanking You,

Sincerely Yours,

For HCL IT City Lucknow Pvt. Ltd.



(Authorized Signatory)

Enclosure: Environment Statement [Form-V]

FORM-V
(See rule 14)

Environmental Statement for the financial year ending with 31st March, 2020

PART-A

- i. Name and address of the owner / occupier of the industry operation or process.**
IT Project “HCL Technology Hub” at Chack Gajaria Farms, Sultanpur Road, Lucknow.
- ii. Industry category Primary- (STC Code) Secondary- (SIC Code):** IT Project.
- iii. Production category – Unit-** It is an IT project.
- iv. Year of establishment-** 07/07/2015
- v. Date of the last environmental statement submitted-** 28/09/2019

PART -B

Water and Raw Material Consumption:

- i. Water consumption**
Process : Not Applicable
Cooling : **25 KLD**
Domestic : **120 KLD**

| Name of Products | Process water consumption per unit of product output | |
|---|--|--|
| | During the previous Financial year | During the current financial year |
| As this is an IT Project, there is no production. However, there is water consumption in following areas: | | |
| Domestic | 39492.00 KL for period of April 2018 to March 2019 | 43200.00 KL for period of April 2019 to March 2020 |

ii. Raw material consumption

| Name of raw materials* | Name of Products | Consumption of raw material per unit of output | |
|---|------------------|--|-----------------------------------|
| | | During the previous financial year | During the current financial year |
| It is an IT Project therefore, there is no raw material/chemical is used. However, Food, Furniture and stationary items are being used. | | | |

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

PART-C
Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

| Pollutants | Quantity of Pollutants discharged (mass/day) | Concentration of Pollutants discharged(mass/volume) | Percentage of Variation from prescribed standards with reasons. |
|------------|--|---|---|
| (a)Water | Nil | Nil | Under permissible limits. |
| (b)Air | Nil | Nil | Under permissible limits. |

**PART-D
HAZARDOUS WASTES**

(As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016)

| Hazardous Wastes | Total Quantity (Kg) | |
|---|------------------------------------|-----------------------------------|
| | During the previous financial year | During the current financial year |
| 1. From Process | | |
| (a) Used Oil from DG sets & Waste Kitchen Oil | 1995 Litre | 1999 Litre |
| (b) E-Waste | Nil | Nil |
| 2. From Pollution Control Facilities | Nil | Nil |

**PART-E
SOLID WASTES:**

| Solid Wastes | Total Quantity (Kg) | |
|---|--|---|
| | During the previous financial year | During the current financial year |
| a. From process | | |
| i. Municipal Solid Waste | <ul style="list-style-type: none"> • 995 Kg/Month • 840 kg of biodegradable waste is generated. • 145 kg of recyclable waste is generated which is given to recycler. | <ul style="list-style-type: none"> • 1000 Kg/Month • 910 kg of biodegradable waste is generated. • 168 kg of recyclable waste is generated which is given to recycler. |
| b. From Pollution Control Facility | Nil | Nil |
| c. Quantity recycled or re-utilized within the unit. | Nil | Nil |

PART-F

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Solid waste: Recyclable waste ~ 168 kg (4.83 Kg/Day) being sent for recycling
Biodegradable ~ 910 kg (28 Kg/Day) being generated

In the current financial year, the hazardous waste (spent oil) 1999 Litre (from April 2019 to March 2020) has been sold to recycler authorized under hazardous Waste Rule 2016.

PART - G

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

- By installation of STP of 830 KLD capacity, the wastewater generated during the project is treated and the treated water is being reused in horticulture, flushing and cooling towers, thereby reducing water pollution and the cost incurred in fresh water consumption.
- Installation of energy efficient CFL and LED lights have reduced power consumption and thereby, the cost of electricity.
- DG sets are equipped with acoustic enclosures to reduce noise level.

PART-H

Additional measures / investment proposal for environmental protection including abatement of pollution, prevention of pollution.

- Treated water from STP is being used within the premises and achieving zero discharge of wastewater.

PART -I

Any other particulars for improving the quality of the environment.

- Segregation of solid waste is being done into dry and wet waste.

TEST REPORT

Issued to
M/s HCL IT City Lucknow Pvt. Ltd
806, Siddarth, 96, Nehru Place,
New Delhi- 110019



Doc No. ELPL/IV/QF/20 Amend. No. & Amend. Date : 02 & 17.02.2018
Lab Reference No. : 200321039 S
Issue Date : 24/03/2020
Your Reference : Email
(Page1of 1)

Sample Particulars: Soil sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 18/03/2020.

| | | | |
|-------------------|-----------------------|--------------------------|-------------------|
| Type of sample | : Soil | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 1 Kg approx. | Tests Required | : Mentioned below |
| Sample's Location | : Near Project Office | Sampling Method | : Grab Method |

| S.No. | Test Parameters | Unit | Result | Test Method |
|-------|--------------------------|-----------|-----------------|---------------|
| 1 | pH (1:5) | - | 8.11 | IS 2720(P-26) |
| 2 | Conductivity (1:5) | µmhos/cm | 224 | USDA Method |
| 3 | Color | - | Gray | USDA Method |
| 4 | Texture | - | Sandy Clay Loam | |
| | Silt | % | 18 | |
| | Clay | % | 38 | USDA Method |
| | Sand | % | 44 | |
| 5 | Sodium Absorption Ratio | - | 0.30 | USDA Method |
| 6 | Cation Exchange Capacity | Meq/100gm | 22.2 | IS 2720(P-24) |
| 7 | Porosity | % | 47 | USDA Method |
| 8 | Water Holding Capacity | % | 37 | USDA Method |
| 9 | Bulk Density | gm/cc | 1.33 | USDA Method |
| 10 | Chloride as Cl | mg/kg | 202 | USDA Method |
| 11 | Calcium as Ca | mg/kg | 4080 | USDA Method |
| 12 | Sodium as Na | mg/kg | 45 | USDA Method |
| 13 | Potassium as K | mg/kg | 165 | USDA Method |
| 14 | Magnesium as Mg | mg/kg | 140 | USDA Method |
| 15 | Organic matter | % | 0.78 | IS 2720(P-22) |
| 16 | Available Nitrogen | mg/kg | 121 | USDA Method |
| 17 | Phosphorous | mg/kg | 108 | USDA Method |

*****END OF REPORT*****


Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

- The results indicated only refer to the tested samples and listed parameters & do not endorse any product.
- Test report is limited to the invoice raised.
- Test report cannot be produced in apart or as whole without laboratory permission.
- Samples shall be retained for four weeks after test report submitted.
- This report shall not be used for any legal purpose & any advertising media or as evidence in the court of law without prior written consent of the laboratory.

TEST REPORT



Issued to

M/s HCL IT City Lucknow Pvt Ltd
806, Siddarth, 96, Nehru Place,
New Delhi- 110019

Doc No: ELPI/IV/QE/20 Amend No & Amend Date: 02 & 17/02/2018
Lab Reference No.: 200321001 W
Issue Date: 24/03/2020
Your Reference: Email

Sample Particulars: Ground water sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 18/03/2020

| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : Ground Water | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 5 ltr approx. | Tests Required | : Mentioned below |
| Sample's Location | : Near Project Site | Sampling Method | : ELPI/III SOP/20 |

Page 1 of 2

| S.No. | Test Parameters | Units | Results | IS 10500 : 2012 | | Test Method |
|-------|--|-------|-----------|------------------------|--|------------------------------------|
| | | | | Acceptable Limit, max. | Permissible Limit in the Absence of Alternate source, max. | |
| 1 | Color | Hazen | <5.0 | 5 | 15 | IS 3025 (Pt-04) |
| 2 | Odour | - | Agreeable | Agreeable | Agreeable | IS 3025 (Pt-05) |
| 3 | pH | - | 7.27 | 6.5-8.5 | No relaxation | IS 3025 (Pt-11) |
| 4 | Taste | - | Agreeable | Agreeable | Agreeable | IS 3025 (Pt-08) |
| 5 | Turbidity | NTU | <1.0 | 1 | 5 | IS 3025 (Pt-10) |
| 6 | Total Dissolved Solids | mg/l | 543 | 500 | 2000 | IS 3025 (Pt-16) |
| 7 | Ammonia (as total ammonia-N) | mg/l | <0.1 | 0.5 | No relaxation | IS 3025 (Pt-34) |
| 8 | Anionic Detergents (as MBAS) | mg/l | <0.1 | 0.2 | 1.0 | Annex K of IS 13428 |
| 9 | Calcium as Ca | mg/l | 32 | 75 | 200 | IS 3025 (Pt-40) |
| 10 | Chloramines (as Cl ₂) | mg/l | <1.0 | 4.0 | No relaxation | IS 3025 (Pt-26) |
| 11 | Chloride as Cl | mg/l | 15.9 | 250 | 1000 | IS 3025 (Pt-32) |
| 12 | Fluoride as F | mg/l | 0.82 | 1.0 | 1.5 | APHA 23 rd Ed 4500F |
| 13 | Free Residual Chlorine | mg/l | <0.05 | 0.2* | 1* | IS 3025 (Pt-26) |
| 14 | Nitrate as NO ₃ | mg/l | 3.88 | 45 | No relaxation | IS 3025 (Pt-34) |
| 15 | Phenolic Compounds (as C ₆ H ₅ OH) | mg/l | <0.001 | 0.001 | 0.002 | IS 3025 (Pt-43) |
| 16 | Sulphate as SO ₄ | mg/l | 7.4 | 200 | 400 | IS 3025 (Pt-24) |
| 17 | Sulphide (as H ₂ S) | mg/l | <0.05 | 0.05 | No relaxation | IS 3025 (Pt-29) |
| 18 | Total Alkalinity as CaCO ₃ | mg/l | 284 | 200 | 600 | IS 3025 (Pt-23) |
| 19 | Total Hardness as CaCO ₃ | mg/l | 236 | 200 | 600 | IS 3025 (Pt-21) |
| 20 | Cyanide (as CN) | mg/l | <0.02 | 0.05 | No relaxation | IS 3025 (Pt-27) |
| 21 | Aluminum (as Al) | mg/l | <0.01 | 0.03 | 0.2 | APHA 23 rd Ed.3120B |
| 22 | Barium (as Ba) | mg/l | <0.1 | 0.7 | No relaxation | APHA 23 rd Ed.3120B |
| 23 | Boron (as B) | mg/l | <0.2 | 0.5 | 1.0 | APHA 23 rd Ed.3120B |
| 24 | Copper (as Cu) | mg/l | <0.02 | 0.05 | 1.5 | APHA 23 rd Ed.3120B |
| 25 | Iron as Fe | mg/l | 0.16 | 1.0 | No relaxation | IS 3025 (Pt-53) |
| 26 | Magnesium as Mg | mg/l | 38.1 | 30 | 100 | APHA 23 rd Ed.3500 mg B |

Analyzed By
(Vikash Kumar)

Authorized Signatory
(Purushottam Sharma)

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Laboratory: D-79, Ground Floor, Sector-6, Noida-201301, U.P. (India)

Registered office: Unit No-334, Third Floor, Plot No-1, LSC, Vardhman Sunrise Plaza, Vasundhara Enclave, Delhi-110096

Email: lab@ecostepslab.com | Website: www.ecostepslab.com | Tel: +91 120 4333226,

CIN-U93000DL2014PTC267663

TEST REPORT

Issued to

M/s HCL IT City Lucknow Pvt. Ltd
806, Siddarth, 96, Nehru Place,
New Delhi- 110019



Doc No EI/PI/IV/QI/20 Amend No & Amend Date 02 & 17/02/2018
Lab Reference No. : 200321001 W
Issue Date : 24/03/2020
Your Reference : Email


Sample Particulars: Ground water sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 18/03/2020

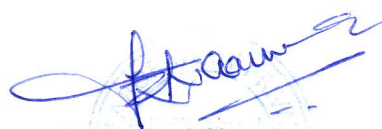
| | |
|--|--|
| Type of sample : Ground Water | Sample Registration Date : 21/03/2020 |
| Sampling Date : 18/03/2020 | Analysis Starting Date : 21/03/2020 |
| Sampling Done by : Lab representative | Analysis Completion Date : 24/03/2020 |
| Quantity received : 5 Ltr approx | Tests Required : Mentioned below |
| Sample's Location : Near Project Site | Sampling Method : EI/PI/III/SOP/20 |

| S. No. | Test Parameters | Units | Results | IS 10500 : 2012 | | Test Method |
|--------|------------------------|-------|---------|------------------------|--|--------------------------------|
| | | | | Acceptable Limit, max. | Permissible Limit in the Absence of Alternate source, max. | |
| 27 | Manganese as Mn | mg/l | <0.01 | 0.1 | 0.3 | APHA 23 rd Ed.3120B |
| 28 | Selenium (as Se) | mg/l | <0.01 | 0.01 | No relaxation | APHA 23 rd Ed.3120B |
| 29 | Silver (as Ag) | mg/l | <0.05 | 0.1 | No relaxation | APHA 23 rd Ed.3120B |
| 30 | Zinc (as Zn) | mg/l | <0.10 | 5 | 15 | APHA 23 rd Ed.3120B |
| 31 | Cadmium (as Cd) | mg/l | <0.003 | 0.003 | No relaxation | APHA 23 rd Ed.3120B |
| 32 | Lead (as Pb) | mg/l | <0.003 | 0.01 | No relaxation | APHA 23 rd Ed.3120B |
| 33 | Mercury (as Hg) | mg/l | <0.001 | 0.001 | No relaxation | APHA 23 rd Ed.3120B |
| 34 | Molybdenum (as MO) | mg/l | <0.05 | 0.07 | No relaxation | APHA 23 rd Ed.3120B |
| 35 | Nickel (as Ni) | mg/l | <0.02 | 0.02 | No relaxation | APHA 23 rd Ed.3120B |
| 36 | Total Arsenic (as As) | mg/l | <0.01 | 0.01 | No relaxation | APHA 23 rd Ed.3120B |
| 37 | Total Chromium (as Cr) | mg/l | <0.05 | 0.05 | No relaxation | APHA 23 rd Ed.3120B |

*****END OF REPORT*****

Note (*) Acceptable limit If sample is chlorinated


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(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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Email: lab@ecostepslab.com | Website: www.ecostepslab.com | Tel: +91 120 4333226,

CIN-U93000DL2014PTC267663

TEST REPORT



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M/s HCL IT City Lucknow Pvt. Ltd
806, Siddarth, 96, Nehru Place,
New Delhi- 110019

Doc No. ELPL/IV/QF/20

Amend. No. & Amend. Date : 02
& 17.02.2018

Lab Reference No.

: 200321031 W

Issue Date

: 24/03/2020

Your Reference

: Email

Sample Particulars: Ground water sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 18/03/2020

| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : Ground Water | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 5 Ltr approx. | Tests Required | : Mentioned below |
| Sample's Location | : Bore well No-2 | Sampling Method | : ELPL/III/SOP/20 |

Page 1 of 2

| S.No. | Test Parameters | Units | Results | IS 10500 : 2012 | | Test Method |
|-------|--|-------|-----------|------------------------|--|------------------------------------|
| | | | | Acceptable Limit, max. | Permissible Limit in the Absence of Alternate source, max. | |
| 1 | Color | Hazen | <5.0 | 5 | 15 | IS 3025 (Pt-04) |
| 2 | Odour | - | Agreeable | Agreeable | Agreeable | IS 3025 (Pt-05) |
| 3 | pH | - | 7.14 | 6.5-8.5 | No relaxation | IS 3025 (Pt-11) |
| 4 | Taste | - | Agreeable | Agreeable | Agreeable | IS 3025 (Pt-08) |
| 5 | Turbidity | NTU | <1.0 | 1 | 5 | IS 3025 (Pt-10) |
| 6 | Total Dissolved Solids | mg/l | 592 | 500 | 2000 | IS 3025 (Pt-16) |
| 7 | Ammonia (as total ammonia-N) | mg/l | <0.1 | 0.5 | No relaxation | IS 3025 (Pt-34) |
| 8 | Anionic Detergents (as MBAS) | mg/l | <0.1 | 0.2 | 1.0 | Annex K of IS 13428 |
| 9 | Calcium as Ca | mg/l | 35.3 | 75 | 200 | IS 3025 (Pt-40) |
| 10 | Chloramines (as Cl ₂) | mg/l | <1.0 | 4.0 | No relaxation | IS 3025 (Pt-26) |
| 11 | Chloride as Cl | mg/l | 22.1 | 250 | 1000 | IS 3025 (Pt-32) |
| 12 | Fluoride as F | mg/l | 0.76 | 1.0 | 1.5 | APHA 23 rd Ed 4500F |
| 13 | Free Residual Chlorine | mg/l | <0.05 | 0.2* | 1* | IS 3025 (Pt-26) |
| 14 | Nitrate as NO ₃ | mg/l | 4.04 | 45 | No relaxation | IS 3025 (Pt-34) |
| 15 | Phenolic Compounds (as C ₆ H ₅ OH) | mg/l | <0.001 | 0.001 | 0.002 | IS 3025 (Pt-43) |
| 16 | Sulphate as SO ₄ | mg/l | 9.6 | 200 | 400 | IS 3025 (Pt-24) |
| 17 | Sulphide (as H ₂ S) | mg/l | <0.05 | 0.05 | No relaxation | IS 3025 (Pt-29) |
| 18 | Total Alkalinity as CaCO ₃ | mg/l | 264 | 200 | 600 | IS 3025 (Pt-23) |
| 19 | Total Hardness as CaCO ₃ | mg/l | 248 | 200 | 600 | IS 3025 (Pt-21) |
| 20 | Cyanide (as CN) | mg/l | <0.02 | 0.05 | No relaxation | IS 3025 (Pt-27) |
| 21 | Aluminum (as Al) | mg/l | <0.01 | 0.03 | 0.2 | APHA 23 rd Ed.3120B |
| 22 | Barium (as Ba) | mg/l | <0.1 | 0.7 | No relaxation | APHA 23 rd Ed.3120B |
| 23 | Boron (as B) | mg/l | <0.2 | 0.5 | 1.0 | APHA 23 rd Ed.3120B |
| 24 | Copper (as Cu) | mg/l | <0.02 | 0.05 | 1.5 | APHA 23 rd Ed.3120B |
| 25 | Iron as Fe | mg/l | 0.18 | 1.0 | No relaxation | IS 3025 (Pt-53) |
| 26 | Magnesium as Mg | mg/l | 38.9 | 30 | 100 | APHA 23 rd Ed.3500 mg/l |

Analyzed By
(Vikash Kumar)

Authorized Signatory
(Purushottam Sharma)

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CIN-U93000DL2014PTC267663

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New Delhi- 110019



Doc No. ELPL/IV/QF/20

Amend. No. & Amend. Date : 02
& 17.02.2018

Lab Reference No.

: 200321031 W

Issue Date

: 24/03/2020

Your Reference

: Email

Sample Particulars: Ground water sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 18/03/2020


| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : Ground Water | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 5 Ltr approx. | Tests Required | : Mentioned below |
| Sample's Location | : Bore well No-2 | Sampling Method | : ELPL/III/SOP/20 |


Page 2 of 2

| S. No. | Test Parameters | Units | Results | IS 10500 : 2012 | | Test Method |
|--------|------------------------|-------|---------|------------------------|--|---------------------------------|
| | | | | Acceptable Limit, max. | Permissible Limit in the Absence of Alternate source, max. | |
| 27 | Manganese as Mn | mg/l | <0.01 | 0.1 | 0.3 | APHA 23 rd Ed.3.120B |
| 28 | Selenium (as Se) | mg/l | <0.01 | 0.01 | No relaxation | APHA 23 rd Ed.3.120B |
| 29 | Silver (as Ag) | mg/l | <0.05 | 0.1 | No relaxation | APHA 23 rd Ed.3.120B |
| 30 | Zinc (as Zn) | mg/l | <0.10 | 5 | 15 | APHA 23 rd Ed.3.120B |
| 31 | Cadmium (as Cd) | mg/l | <0.003 | 0.003 | No relaxation | APHA 23 rd Ed.3.120B |
| 32 | Lead (as Pb) | mg/l | <0.003 | 0.01 | No relaxation | APHA 23 rd Ed.3.120B |
| 33 | Mercury (as Hg) | mg/l | <0.001 | 0.001 | No relaxation | APHA 23 rd Ed.3.120B |
| 34 | Molybdenum (as MO) | mg/l | <0.05 | 0.07 | No relaxation | APHA 23 rd Ed.3.120B |
| 35 | Nickel (as Ni) | mg/l | <0.02 | 0.02 | No relaxation | APHA 23 rd Ed.3.120B |
| 36 | Total Arsenic (as As) | mg/l | <0.01 | 0.01 | No relaxation | APHA 23 rd Ed.3.120B |
| 37 | Total Chromium (as Cr) | mg/l | <0.05 | 0.05 | No relaxation | APHA 23 rd Ed.3.120B |

*****END OF REPORT*****

Note : (*) Acceptable limit If sample is chlorinated.


Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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TEST REPORT



Issued to

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806, Siddarth, 96, Nehru Place,
New Delhi- 110019

Doc No. ELPL/IV/QF/20

Amend. No. & Amend. Date : 02
& 17.02.2018

Lab Reference No.

: 200321032 W

Issue Date

: 24/03/2020

Your Reference

: Email

Sample Particulars: Ground water sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 18/03/2020

| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : Ground Water | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 5 Ltr approx. | Tests Required | : Mentioned below |
| Sample's Location | : Bore well No-3 | Sampling Method | : ELPL/III/SOP/20 |

Page I of 2

| S.No. | Test Parameters | Units | Results | IS 10500 : 2012 | | Test Method |
|-------|--|-------|-----------|------------------------|--|--------------------------------|
| | | | | Acceptable Limit, max. | Permissible Limit in the Absence of Alternate source, max. | |
| 1 | Color | Hazen | <5.0 | 5 | 15 | IS 3025 (Pt-04) |
| 2 | Odour | - | Agreeable | Agreeable | Agreeable | IS 3025 (Pt-05) |
| 3 | pH | - | 7.06 | 6.5-8.5 | No relaxation | IS 3025 (Pt-11) |
| 4 | Taste | - | Agreeable | Agreeable | Agreeable | IS 3025 (Pt-08) |
| 5 | Turbidity | NTU | <1.0 | 1 | 5 | IS 3025 (Pt-10) |
| 6 | Total Dissolved Solids | mg/l | 577 | 500 | 2000 | IS 3025 (Pt-16) |
| 7 | Ammonia (as total ammonia-N) | mg/l | <0.1 | 0.5 | No relaxation | IS 3025 (Pt-34) |
| 8 | Anionic Detergents (as MBAS) | mg/l | <0.1 | 0.2 | 1.0 | Annex K of IS 13428 |
| 9 | Calcium as Ca | mg/l | 36.9 | 75 | 200 | IS 3025 (Pt-10) |
| 10 | Chloramines (as Cl ₂) | mg/l | <1.0 | 4.0 | No relaxation | IS 3025 (Pt-26) |
| 11 | Chloride as Cl | mg/l | 26.2 | 250 | 1000 | IS 3025 (Pt-32) |
| 12 | Fluoride as F | mg/l | 0.85 | 1.0 | 1.5 | APHA 23 rd Ed 4500F |
| 13 | Free Residual Chlorine | mg/l | <0.05 | 0.2* | 1* | IS 3025 (Pt-26) |
| 14 | Nitrate as NO ₃ | mg/l | 4.16 | 45 | No relaxation | IS 3025 (Pt-34) |
| 15 | Phenolic Compounds (as C ₆ H ₅ OH) | mg/l | <0.001 | 0.001 | 0.002 | IS 3025 (Pt-43) |
| 16 | Sulphate as SO ₄ | mg/l | 10.2 | 200 | 400 | IS 3025 (Pt-24) |
| 17 | Sulphide (as H ₂ S) | mg/l | <0.05 | 0.05 | No relaxation | IS 3025 (Pt-29) |
| 18 | Total Alkalinity as CaCO ₃ | mg/l | 224 | 200 | 600 | IS 3025 (Pt-23) |
| 19 | Total Hardness as CaCO ₃ | mg/l | 244 | 200 | 600 | IS 3025 (Pt-21) |
| 20 | Cyanide (as CN) | mg/l | <0.02 | 0.05 | No relaxation | IS 3025 (Pt-27) |
| 21 | Aluminum (as Al) | mg/l | <0.01 | 0.03 | 0.2 | APHA 23 rd Ed.3120B |
| 22 | Barium (as Ba) | mg/l | <0.1 | 0.7 | No relaxation | APHA 23 rd Ed.3120B |
| 23 | Boron (as B) | mg/l | <0.2 | 0.5 | 1.0 | APHA 23 rd Ed.3120B |
| 24 | Copper (as Cu) | mg/l | <0.02 | 0.05 | 1.5 | APHA 23 rd Ed.3120B |
| 25 | Iron as Fe | mg/l | 0.19 | 1.0 | No relaxation | IS 3025 (Pt-53) |
| 26 | Magnesium as Mg | mg/l | 36.9 | 30 | 100 | APHA 23 rd Ed.3500 |

Analyzed By
(Vikash Kumar)

Authorized Signatory
(Parashottam Sharma)

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Email: lab@ecostepslab.com | Website: www.ecostepslab.com | Tel: +91 120 4333226,

CIN-U93000DL2014PTC267663

TEST REPORT

Issued to

M/s HCL IT City Lucknow Pvt. Ltd
806, Siddarth, 96, Nehru Place,
New Delhi- 110019



Doc No. ELPL/IV/QF/20

Amend. No. & Amend. Date : 02
& 17.02.2018

Lab Reference No.

: 200321032 W

Issue Date

: 24/03/2020

Your Reference

: Email

Sample Particulars: Ground water sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 18/03/2020

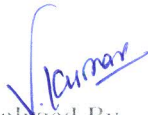
| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : Ground Water | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 5 Ltr approx. | Tests Required | : Mentioned below |
| Sample's Location | : Bore well No-3 | Sampling Method | : ELPL/III/SOP/20 |

Page 2 of 2

| S. No. | Test Parameters | Units | Results | IS 10500 : 2012 | | Test Method |
|--------|------------------------|-------|---------|------------------------|--|--------------------------------|
| | | | | Acceptable Limit, max. | Permissible Limit in the Absence of Alternate source, max. | |
| 27 | Manganese as Mn | mg/l | <0.01 | 0.1 | 0.3 | APHA 23 rd Ed.3120B |
| 28 | Selenium (as Se) | mg/l | <0.01 | 0.01 | No relaxation | APHA 23 rd Ed.3120B |
| 29 | Silver (as Ag) | mg/l | <0.05 | 0.1 | No relaxation | APHA 23 rd Ed.3120B |
| 30 | Zinc (as Zn) | mg/l | <0.10 | 5 | 15 | APHA 23 rd Ed.3120B |
| 31 | Cadmium (as Cd) | mg/l | <0.003 | 0.003 | No relaxation | APHA 23 rd Ed.3120B |
| 32 | Lead (as Pb) | mg/l | <0.003 | 0.01 | No relaxation | APHA 23 rd Ed.3120B |
| 33 | Mercury (as Hg) | mg/l | <0.001 | 0.001 | No relaxation | APHA 23 rd Ed.3120B |
| 34 | Molybdenum (as MO) | mg/l | <0.05 | 0.07 | No relaxation | APHA 23 rd Ed.3120B |
| 35 | Nickel (as Ni) | mg/l | <0.02 | 0.02 | No relaxation | APHA 23 rd Ed.3120B |
| 36 | Total Arsenic (as As) | mg/l | <0.01 | 0.01 | No relaxation | APHA 23 rd Ed.3120B |
| 37 | Total Chromium (as Cr) | mg/l | <0.05 | 0.05 | No relaxation | APHA 23 rd Ed.3120B |

*****END OF REPORT*****

Note : (*) Acceptable limit if sample is chlorinated.


Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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CIN-U93000DL2014PTC267663

TEST REPORT



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M/s HCL IT City Lucknow Pvt. Ltd
806, Siddarth, 96, Nehru Place,
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Doc No. ELPL/IV/QF/20

Amend. No. & Amend. Date : 02
& 17.02.2018

Lab Reference No.

: 200321033 W

Issue Date

: 24/03/2020

Your Reference

: Email

Sample Particulars: Ground water sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 18/03/2020

| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : Ground Water | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 5 Ltr approx. | Tests Required | : Mentioned below |
| Sample's Location | : Bore well No-4 | Sampling Method | : ELPL/III/SOP/20 |

Page 1 of 2

| S.No. | Test Parameters | Units | Results | IS 10500 : 2012 | | Test Method |
|-------|--|-------|-----------|------------------------|--|--------------------------------|
| | | | | Acceptable Limit, max. | Permissible Limit in the Absence of Alternate source, max. | |
| 1 | Color | Hazen | <5.0 | 5 | 15 | IS 3025 (Pt-04) |
| 2 | Odour | - | Agreeable | Agreeable | Agreeable | IS 3025 (Pt-05) |
| 3 | pH | - | 7.20 | 6.5-8.5 | No relaxation | IS 3025 (Pt-11) |
| 4 | Taste | - | Agreeable | Agreeable | Agreeable | IS 3025 (Pt-08) |
| 5 | Turbidity | NTU | <1.0 | 1 | 5 | IS 3025 (Pt-10) |
| 6 | Total Dissolved Solids | mg/l | 598 | 500 | 2000 | IS 3025 (Pt-16) |
| 7 | Ammonia (as total ammonia-N) | mg/l | <0.1 | 0.5 | No relaxation | IS 3025 (Pt-34) |
| 8 | Anionic Detergents (as MBAS) | mg/l | <0.1 | 0.2 | 1.0 | Annex K of IS 13428 |
| 9 | Calcium as Ca | mg/l | 38.5 | 75 | 200 | IS 3025 (Pt-40) |
| 10 | Chloramines (as Cl ₂) | mg/l | <1.0 | 4.0 | No relaxation | IS 3025 (Pt-26) |
| 11 | Chloride as Cl | mg/l | 32.2 | 250 | 1000 | IS 3025 (Pt-32) |
| 12 | Fluoride as F | mg/l | 0.73 | 1.0 | 1.5 | APHA 23 rd Ed 4500F |
| 13 | Free Residual Chlorine | mg/l | <0.05 | 0.2* | 1* | IS 3025 (Pt-26) |
| 14 | Nitrate as NO ₃ | mg/l | 4.18 | 45 | No relaxation | IS 3025 (Pt-34) |
| 15 | Phenolic Compounds (as C ₆ H ₅ OH) | mg/l | <0.001 | 0.001 | 0.002 | IS 3025 (Pt-43) |
| 16 | Sulphate as SO ₄ | mg/l | 11.2 | 200 | 400 | IS 3025 (Pt-24) |
| 17 | Sulphide (as H ₂ S) | mg/l | <0.05 | 0.05 | No relaxation | IS 3025 (Pt-29) |
| 18 | Total Alkalinity as CaCO ₃ | mg/l | 272 | 200 | 600 | IS 3025 (Pt-23) |
| 19 | Total Hardness as CaCO ₃ | mg/l | 252 | 200 | 600 | IS 3025 (Pt-21) |
| 20 | Cyanide (as CN) | mg/l | <0.02 | 0.05 | No relaxation | IS 3025 (Pt-27) |
| 21 | Aluminum (as Al) | mg/l | <0.01 | 0.03 | 0.2 | APHA 23 rd Ed.3120B |
| 22 | Barium (as Ba) | mg/l | <0.1 | 0.7 | No relaxation | APHA 23 rd Ed.3120B |
| 23 | Boron (as B) | mg/l | <0.2 | 0.5 | 1.0 | APHA 23 rd Ed.3120B |
| 24 | Copper (as Cu) | mg/l | <0.02 | 0.05 | 1.5 | APHA 23 rd Ed.3120B |
| 25 | Iron as Fe | mg/l | 0.20 | 1.0 | No relaxation | IS 3025 (Pt-53) |
| 26 | Magnesium as Mg | mg/l | 37.9 | 30 | 100 | APHA 23 rd Ed.3500 |

Analyzed By
(Vikash Kumar)

Authorized Signatory
(Pushpottam Sharma)

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CIN-U93000DL2014PTC267663

TEST REPORT



Issued to

M/s HCL IT City Lucknow Pvt. Ltd
806, Siddarth, 96, Nehru Place,
New Delhi- 110019

Doc No. ELPL/IV/QF/20

Amend. No. & Amend. Date : 02
& 17.02.2018

Lab Reference No.

: 200321033 W

Issue Date

: 24/03/2020

Your Reference

: Email

Sample Particulars: Ground water sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 18/03/2020


| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : Ground Water | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 5 Ltr approx. | Tests Required | : Mentioned below |
| Sample's Location | : Bore well No-4 | Sampling Method | : ELPL/III/SOP/20 |

Page 2 of 2

| S. No. | Test Parameters | Units | Results | IS 10500 : 2012 | | Test Method |
|--------|------------------------|-------|---------|------------------------|--|--------------------------------|
| | | | | Acceptable Limit, max. | Permissible Limit in the Absence of Alternate source, max. | |
| 27 | Manganese as Mn | mg/l | <0.01 | 0.1 | 0.3 | APHA 23 rd Ed.3120B |
| 28 | Selenium (as Se) | mg/l | <0.01 | 0.01 | No relaxation | APHA 23 rd Ed.3120B |
| 29 | Silver (as Ag) | mg/l | <0.05 | 0.1 | No relaxation | APHA 23 rd Ed.3120B |
| 30 | Zinc (as Zn) | mg/l | <0.10 | 5 | 15 | APHA 23 rd Ed.3120B |
| 31 | Cadmium (as Cd) | mg/l | <0.003 | 0.003 | No relaxation | APHA 23 rd Ed.3120B |
| 32 | Lead (as Pb) | mg/l | <0.003 | 0.01 | No relaxation | APHA 23 rd Ed.3120B |
| 33 | Mercury (as Hg) | mg/l | <0.001 | 0.001 | No relaxation | APHA 23 rd Ed.3120B |
| 34 | Molybdenum (as MO) | mg/l | <0.05 | 0.07 | No relaxation | APHA 23 rd Ed.3120B |
| 35 | Nickel (as Ni) | mg/l | <0.02 | 0.02 | No relaxation | APHA 23 rd Ed.3120B |
| 36 | Total Arsenic (as As) | mg/l | <0.01 | 0.01 | No relaxation | APHA 23 rd Ed.3120B |
| 37 | Total Chromium (as Cr) | mg/l | <0.05 | 0.05 | No relaxation | APHA 23 rd Ed.3120B |

*****END OF REPORT*****

Note (*): Acceptable limit If sample is chlorinated.


Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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CIN-U93000DL2014PTC267663

TEST REPORT



Issued to

M/s HCL IT City Lucknow Pvt. Ltd
806, Siddarth, 96, Nehru Place,
New Delhi- 110019

Doc No. ELPL/IV/QF/20

Amend. No. & Amend. Date : 02
& 17.02.2018

Lab Reference No.

: 200321034 W

Issue Date

: 24/03/2020

Your Reference

: Email

Sample Particulars: Ground water sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 18/03/2020

| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : Ground Water | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 5 Ltr approx. | Tests Required | : Mentioned below |
| Sample's Location | : Bore well No-5 | Sampling Method | : ELPL/III/SOP/20 |

Page 1 of 2

| S.No. | Test Parameters | Units | Results | IS 10500 : 2012 | | Test Method |
|-------|--|-------|-----------|------------------------|--|--------------------------------|
| | | | | Acceptable Limit, max. | Permissible Limit in the Absence of Alternate source, max. | |
| 1 | Color | Hazen | <5.0 | 5 | 15 | IS 3025 (Pt-04) |
| 2 | Odour | - | Agreeable | Agreeable | Agreeable | IS 3025 (Pt-05) |
| 3 | pH | - | 7.33 | 6.5-8.5 | No relaxation | IS 3025 (Pt-11) |
| 4 | Taste | - | Agreeable | Agreeable | Agreeable | IS 3025 (Pt-08) |
| 5 | Turbidity | NTU | <1.0 | 1 | 5 | IS 3025 (Pt-10) |
| 6 | Total Dissolved Solids | mg/l | 602 | 500 | 2000 | IS 3025 (Pt-16) |
| 7 | Ammonia (as total ammonia-N) | mg/l | <0.1 | 0.5 | No relaxation | IS 3025 (Pt-34) |
| 8 | Anionic Detergents (as MBAS) | mg/l | <0.1 | 0.2 | 1.0 | Annex K of IS 13428 |
| 9 | Calcium as Ca | mg/l | 40.1 | 75 | 200 | IS 3025 (Pt-40) |
| 10 | Chloramines (as Cl ₂) | mg/l | <1.0 | 4.0 | No relaxation | IS 3025 (Pt-26) |
| 11 | Chloride as Cl | mg/l | 28.2 | 250 | 1000 | IS 3025 (Pt-32) |
| 12 | Fluoride as F | mg/l | 0.72 | 1.0 | 1.5 | APHA 23 rd Ed 4500F |
| 13 | Free Residual Chlorine | mg/l | <0.05 | 0.2* | 1* | IS 3025 (Pt-26) |
| 14 | Nitrate as NO ₃ | mg/l | 3.72 | 45 | No relaxation | IS 3025 (Pt-34) |
| 15 | Phenolic Compounds (as C ₆ H ₅ OH) | mg/l | <0.001 | 0.001 | 0.002 | IS 3025 (Pt-43) |
| 16 | Sulphate as SO ₄ | mg/l | 11.7 | 200 | 400 | IS 3025 (Pt-24) |
| 17 | Sulphide (as H ₂ S) | mg/l | <0.05 | 0.05 | No relaxation | IS 3025 (Pt-29) |
| 18 | Total Alkalinity as CaCO ₃ | mg/l | 232 | 200 | 600 | IS 3025 (Pt-23) |
| 19 | Total Hardness as CaCO ₃ | mg/l | 264 | 200 | 600 | IS 3025 (Pt-21) |
| 20 | Cyanide (as CN) | mg/l | <0.02 | 0.05 | No relaxation | IS 3025 (Pt-27) |
| 21 | Aluminum (as Al) | mg/l | <0.01 | 0.03 | 0.2 | APHA 23 rd Ed.3120B |
| 22 | Barium (as Ba) | mg/l | <0.1 | 0.7 | No relaxation | APHA 23 rd Ed.3120B |
| 23 | Boron (as B) | mg/l | <0.2 | 0.5 | 1.0 | APHA 23 rd Ed.3120B |
| 24 | Copper (as Cu) | mg/l | <0.02 | 0.05 | 1.5 | APHA 23 rd Ed.3120B |
| 25 | Iron as Fe | mg/l | 0.23 | 1.0 | No relaxation | IS 3025 (Pt-53) |
| 26 | Magnesium as Mg | mg/l | 39.9 | 30 | 100 | APHA 23 rd Ed.3500 |

Analysed By
(Vikash Kumar)

Authorized Signatory
(Vishottam Sharma)

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CIN-U93000DL2014PTC267663

TEST REPORT

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806, Siddarth, 96, Nehru Place,
New Delhi- 110019



Doc No. ELPL/IV/QF/20

Amend. No. & Amend. Date : 02
& 17.02.2018

Lab Reference No.

: 200321034 W

Issue Date

: 24/03/2020

Your Reference

: Email

Sample Particulars: Ground water sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 18/03/2020

| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : Ground Water | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 5 Ltr approx. | Tests Required | : Mentioned below |
| Sample's Location | : Bore well No-5 | Sampling Method | : ELPL/III/SOP/20 |

Page 2 of 2

| S. No. | Test Parameters | Units | Results | IS 10500 : 2012 | | Test Method |
|--------|------------------------|-------|---------|------------------------|--|--------------------------------|
| | | | | Acceptable Limit, max. | Permissible Limit in the Absence of Alternate source, max. | |
| 27 | Manganese as Mn | mg/l | <0.01 | 0.1 | 0.3 | APHA 23 rd Ed.3120B |
| 28 | Selenium (as Se) | mg/l | <0.01 | 0.01 | No relaxation | APHA 23 rd Ed.3120B |
| 29 | Silver (as Ag) | mg/l | <0.05 | 0.1 | No relaxation | APHA 23 rd Ed.3120B |
| 30 | Zinc (as Zn) | mg/l | <0.10 | 5 | 15 | APHA 23 rd Ed.3120B |
| 31 | Cadmium (as Cd) | mg/l | <0.003 | 0.003 | No relaxation | APHA 23 rd Ed.3120B |
| 32 | Lead (as Pb) | mg/l | <0.003 | 0.01 | No relaxation | APHA 23 rd Ed.3120B |
| 33 | Mercury (as Hg) | mg/l | <0.001 | 0.001 | No relaxation | APHA 23 rd Ed.3120B |
| 34 | Molybdenum (as MO) | mg/l | <0.05 | 0.07 | No relaxation | APHA 23 rd Ed.3120B |
| 35 | Nickel (as Ni) | mg/l | <0.02 | 0.02 | No relaxation | APHA 23 rd Ed.3120B |
| 36 | Total Arsenic (as As) | mg/l | <0.01 | 0.01 | No relaxation | APHA 23 rd Ed.3120B |
| 37 | Total Chromium (as Cr) | mg/l | <0.05 | 0.05 | No relaxation | APHA 23 rd Ed.3120B |

*****END OF REPORT*****

Note (*): Acceptable limit if sample is chlorinated.


Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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CIN-U93000DL2014PTC267663

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806, Siddarth, 96, Nehru Place,
New Delhi- 110019



Doc No ELPL/IV/QF/20

Amend No & Amend Date 02
& 17.02.2018

Lab Reference No.

: 200321002 W

Issue Date

: 24/03/2020

Your Reference

: E-mail

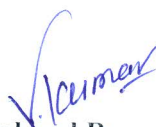
Sample Particulars: STP Inlet water sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 18/03/2020.


| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : STP Inlet | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 2 Ltr approx | Tests Required | : Mentioned below |
| Sample's Location | : Project Site | Sampling Method | : ELPL/III/SOP/20 |

Page 1 of 1

| S.No. | Test Parameters | Units | Results | Test Method |
|-------|---|-------|---------|----------------|
| 1 | pH | - | 7.36 | IS 3025 (P-11) |
| 2 | Oil and grease | mg/l | 16 | IS 3025 (P-39) |
| 3 | Biochemical oxygen demand as BOD at 27°C for 3 days | mg/l | 164 | IS 3025 (P-44) |
| 4 | Chemical oxygen demand as COD | mg/l | 696 | IS 3025 (P-58) |
| 5 | Total suspended solids as TSS | mg/l | 116 | IS 3025 (P-17) |

*****END OF REPORT*****


Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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Email: lab@ecostepslab.com | Website: www.ecostepslab.com | Tel: +91 120 4333226,

CIN-U93000DL2014PTC267663

TEST REPORT

Issued to

M/s HCL IT City Lucknow Pvt. Ltd
806, Siddarth, 96, Nehru Place,
New Delhi- 110019



Doc No. EI/PL/IV/QF/20

Amend No & Amend Date : 02 & 17/02/2018

Lab Reference No. :

200321003 W

Issue Date :

24/03/2020

Your Reference :

E-mail

Sample Particulars: STP Outlet water sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 18/03/2020.

| | | | |
|-------------------|----------------------|--------------------------|--------------------|
| Type of sample | : STP Outlet | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 2 Ltr approx | Tests Required | : Mentioned below |
| Sample's Location | : Project site | Sampling Method | : EI/PL/III/SOP/20 |

Page 1 of 1

| S.No. | Test Parameters | Units | Results | As Per EP Rules, 1986,Max | Test Method |
|-------|---|-------|---------|---------------------------|----------------|
| 1 | pH | - | 7.11 | 5.5-9.0 | IS 3025 (P-11) |
| 2 | Oil and grease | mg/l | 3.5 | 10 | IS 3025 (P-39) |
| 3 | Biochemical oxygen demand as BOD at 27°C for 3 days | mg/l | 18 | 30 | IS 3025 (P-44) |
| 4 | Chemical oxygen demand as COD | mg/l | 84 | 250 | IS 3025 (P-58) |
| 5 | Total suspended solids as TSS | mg/l | 43 | 100 | IS 3025 (P-17) |

*****END OF REPORT*****

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(Purushottam Sharma)

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Doc No: ELPL/IV/Q1/20

Amend No & Amend Date : 02 & 17/02/2018

Lab Reference No. :

200321004 S

Issue Date :

24/03/2020

Your Reference :

Email


(Page 1 of 1)


Sample Particulars: Soil sample was collected from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, on 18/03/2020.

| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : Soil | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 1 Kg approx. | Tests Required | : Mentioned below |
| Sample's Location | : Near Material Yard | Sampling Method | : Grab Method |

| S.No. | Test Parameters | Unit | Result | Test Method |
|-------|--------------------------|-----------|-----------------|---------------|
| 1 | pH (1:5) | - | 8.26 | IS 2720(P-26) |
| 2 | Conductivity (1:5) | µmhos/cm | 242 | USDA Method |
| 3 | Color | - | Gray | USDA Method |
| 4 | Texture | | Sandy Clay Loam | |
| | Silt | % | 17 | |
| | Clay | % | 38 | USDA Method |
| | Sand | % | 45 | |
| 5 | Sodium Absorption Ratio | - | 0.55 | USDA Method |
| 6 | Cation Exchange Capacity | Meq/100gm | 24.86 | IS 2720(P-24) |
| 7 | Porosity | % | 48 | USDA Method |
| 8 | Water Holding Capacity | % | 38 | USDA Method |
| 9 | Bulk Density | gm/cc | 1.46 | USDA Method |
| 10 | Chloride as Cl | mg/kg | 488 | USDA Method |
| 11 | Calcium as Ca | mg/kg | 4034 | USDA Method |
| 12 | Sodium as Na | mg/kg | 138 | USDA Method |
| 13 | Potassium as K | mg/kg | 112 | USDA Method |
| 14 | Magnesium as Mg | mg/kg | 456 | USDA Method |
| 15 | Organic matter | % | 0.60 | IS 2720(P-22) |
| 16 | Available Nitrogen | mg/kg | 136 | USDA Method |
| 17 | Phosphorous | mg/kg | 98 | USDA Method |

*****END OF REPORT*****


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(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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Doc No. FLPI/IV/QF/20

Amend No. & Amend Date : 02 & 17/02/2018

Lab Reference No. : 200321005 F

Issue Date : 24/03/2020

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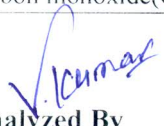
Sample Particulars: DG Stack monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 18/03/2020.

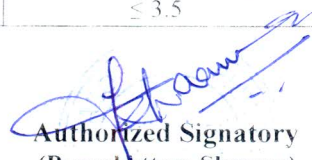
| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : DG Stack | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 01 Sample | Tests Required | : Mentioned below |
| Sample's Location | : Project Site | Sampling Method | : FLPI III/SOP/32 |

| | |
|--|----------------------------|
| DG Capacity | : 12 KW (15 KVA) |
| Source of Emission | : Stack attached to DG Set |
| Type of fuel used | : HSD |
| Type of Stack | : Circular |
| Operating Schedule | : As per requirement |
| Diameter of Stack (m) | : 0.1 |
| Height of Stack from Ground level (m) | : 4 |
| Height of Stack from roof level (m) | : - |
| Time of sampling (minutes) | : 35 |
| Ambient Temperature (k) | : 301 |
| Stack Temperature (k) | : 348 |
| Average velocity of flue emission (m/s) | : 7.46 |
| Isokinetic flow rate (l/m) | : 27.08 |
| Flue gas flow rate (m ³ /hr.) | : 210.8 |
| Control Measures (if any) | : Nil |
| Remark (If any) | : Nil |

| S.no. | Test Parameters | Results | Units | Test Method | Emission Limits as per EP Rules |
|-------|--------------------------------------|---------|---------|---------------|---------------------------------|
| 1. | Particulate Matter(PM) | 0.10 | g/kw-hr | IS 11255(P-1) | ≤ 0.3 |
| 2. | Sulphur Dioxide(SO ₂) | 0.68 | g/kw-hr | IS 11255(P-2) | Not specified |
| 3. | Oxides of Nitrogen(NO _x) | 1.01 | g/kw-hr | IS 11255(P-7) | ≤ 7.5 |
| 4. | Hydrocarbon(HC) as CH ₄ | <0.4 | g/kw-hr | IS 5182(P-17) | |
| 5. | Carbon monoxide(CO) | 0.09 | g/kw-hr | IS 13270:1992 | ≤ 3.5 |

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Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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Doc No. ELPL/IV/QE-20

Amend No & Amend Date : 02 & 17/02/2018

Lab Reference No. :

200321006 DN

Issue Date :

24/03/2020

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(Page 1 of 1)

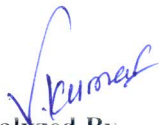
Sample Particulars: DG Noise monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 18/03/2020

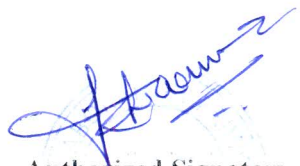
| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : DG Noise | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 23/03/2020 |
| Quantity received | : 01 Sample | Tests Required | : Mentioned below |
| Sample's Location | : Project Site | Sampling Method | : ELPL/III/SOP/37 |

| S.no. | Details of Source | Noise level at 1 meter from the enclosure surface | Units | Test Method |
|-------|-------------------|---|-------|-----------------|
| 1. | DG 15 KVA | 72.1 | dB(A) | ELPL/III/SOP/37 |

*****END OF REPORT*****

Note - Noise Limit for DG Sets (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75 dB (A) at 1 meter from the enclosure surface.


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Doc No ELPL/IV/QF/20

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Lab Reference No. :

200321007 E

Issue Date :

24/03/2020

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{Page 1 of 1}

Sample Particulars: DG Stack monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 18/03/2020

| | | | |
|--------------------------|----------------------|---------------------------------|-------------------|
| Type of sample | : DG Stack | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 01 Sample | Tests Required | : Mentioned below |
| Sample's Location | : Project Site | Sampling Method | : ELPL/III/SOP/32 |

DG Capacity : 16 KW (20 KVA)
Source of Emission : Stack attached to DG Set
Type of fuel used : HSD
Type of Stack : Circular
Operating Schedule : As per requirement
Diameter of Stack (m) : 0.1
Height of Stack from Ground level (m) : 4
Height of Stack from roof level (m) :-
Time of sampling (minutes) : 38
Ambient Temperature (k) : 301
Stack Temperature (k) : 349
Average velocity of flue emission (m/s) : 7.53
Isokinetic flow rate (l/m) : 27.36
Flue gas flow rate (m³/hr) : 212.8
Control Measures (if any) : Nil
Remark (If any) : Nil

| S.no. | Test Parameters | Results | Units | Test Method | Emission Limits as per EP Rules |
|-------|--------------------------------------|---------|---------|---------------|---------------------------------|
| 1. | Particulate Matter(PM) | 0.13 | g/kw-hr | IS 11255(P-1) | ≤ 0.3 |
| 2. | Sulphur Dioxide(SO ₂) | 0.73 | g/kw-hr | IS 11255(P-2) | Not specified |
| 3. | Oxides of Nitrogen(NO _x) | 1.08 | g/kw-hr | IS 11255(P-7) | ≤ 7.5 |
| 4. | Hydrocarbon(HC) as CH ₄ | <0.4 | g/kw-hr | IS 5182(P-17) | |
| 5. | Carbon monoxide(CO) | 0.10 | g/kw-hr | IS 13270:1992 | ≤ 3.5 |

*****END OF REPORT*****

Analyzed By
(Vikash Kumar)

Authorized Signatory
(Purushottam Sharma)

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CIN-U93000DL2014PTC267663

TEST REPORT

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806, Siddarth, 96, Nehru Place,
New Delhi- 110019



Doc No: ELPI/IV/QF/20

Amend No & Amend Date : 02 & 17/02/2018

Lab Reference No. :

200321008 DN

Issue Date :

24/03/2020

Your Reference :

Email

(Page 1 of 1)


Sample Particulars: DG Noise monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 18/03/2020.

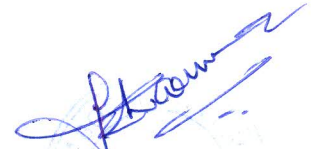
| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : DG Noise | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 23/03/2020 |
| Quantity received | : 01 Sample | Tests Required | : Mentioned below |
| Sample's Location | : Project Site | Sampling Method | : ELPL/III/SOP/37 |

| S.no. | Details of Source | Noise level at 1 meter from the enclosure surface | Units | Test Method |
|-------|-------------------|---|-------|-----------------|
| 1. | DG 20 KVA | 72.5 | dB(A) | ELPL/III/SOP/37 |

*****END OF REPORT*****

Note - Noise Limit for DG Sets (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75 dB (A) at 1 meter from the enclosure surface.


Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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Doc No: ELPL/IV/QF/20

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Lab Reference No.: 200321009 F

Issue Date: 24/03/2020

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(Page 1 of 1)


Sample Particulars: DG Stack monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh., on 18/03/2020.

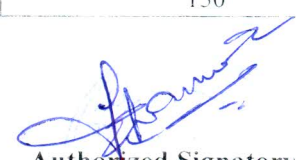
| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : DG Stack | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 01 Sample | Tests Required | : Mentioned below |
| Sample's Location | : Project Site | Sampling Method | : ELPL/III/SOP/32 |

| | |
|--|----------------------------|
| DG Capacity | : 808 KW (1010 KVA) |
| Source of Emission | : Stack attached to DG Set |
| Type of fuel used | : HSD |
| Type of Stack | : Round |
| Operating Schedule | : As per requirement |
| Diameter of Stack (m) | : 0.2 |
| Height of Stack from Ground level (m) | : 4 |
| Height of Stack from roof level (m) | : - |
| Time of sampling (minutes) | : 36 |
| Ambient Temperature (k) | : 301 |
| Stack Temperature (k) | : 376 |
| Average velocity of flue emission (m/s) | : 8.06 |
| Isokinetic flow rate (l/m) | : 26.10 |
| Flue gas flow rate (m ³ /hr.) | : 911.1 |
| Control Measures (if any) | : Nil |
| Remark (If any) | : Nil |

| S.no. | Test Parameters | Results | Units | Test Method | Emission Limits as per EP Rules |
|-------|--------------------------------------|---------|--------------------|---------------|---------------------------------|
| 1. | Particulate Matter(PM) | 52 | mg/Nm ³ | IS 11255(P-1) | 75 |
| 2. | Sulphur Dioxide(SO ₂) | 58 | mg/Nm ³ | IS 11255(P-2) | Not specified |
| 3. | Oxides of Nitrogen(NO _x) | 184 | ppmv | IS 11255(P-7) | 710 |
| 4. | Hydrocarbon(HC) as CH ₄ | <1.0 | mg/Nm ³ | IS 5182(P-17) | 100 |
| 5. | Carbon monoxide(CO) | 18 | mg/Nm ³ | IS 13270:1992 | 150 |

*****END OF REPORT*****


Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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& 17/02/2018

Lab Reference No.

: 200321010 DN

Issue Date

: 24/03/2020

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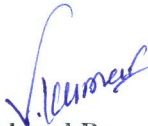
Sample Particulars: DG Noise monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 18/03/2020.


| | | | |
|--------------------------|----------------------|---------------------------------|-------------------|
| Type of sample | : DG Noise | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 23/03/2020 |
| Quantity received | : 01 Sample | Tests Required | : Mentioned below |
| Sample's Location | : Project Site | Sampling Method | : ELPL/III/SOP/37 |

| S.no. | Details of Source | Noise level at 1 meter from the enclosure surface | Units | Test Method |
|-------|-------------------|---|-------|-----------------|
| I. | DG 1010 KVA | 74.2 | dB(A) | ELPL/III/SOP/37 |

*****END OF REPORT*****

Note - Noise Limit for DG Sets (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75 dB (A) at 1 meter from the enclosure surface.


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(Purushottam Sharma)

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& 17/02/2018

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Issue Date

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(Page 1 of 1)

Sample Particulars: DG Stack monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 18/03/2020.

| | | | |
|--------------------------|----------------------|---------------------------------|--------------------|
| Type of sample | : DG Stack | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 01 Sample | Tests Required | : Mentioned below |
| Sample's Location | : Project Site | Sampling Method | : EI PL/III/SOP/32 |

| | |
|--|----------------------------|
| DG Capacity | : 20 KW (25 KVA) |
| Source of Emission | : Stack attached to DG Set |
| Type of fuel used | : HSD |
| Type of Stack | : Circular |
| Operating Schedule | : As per requirement |
| Diameter of Stack (m) | : 0.1 |
| Height of Stack from Ground level (m) | : 4 |
| Height of Stack from roof level (m) | : - |
| Time of sampling (minutes) | : 34 |
| Ambient Temperature (k) | : 301 |
| Stack Temperature (k) | : 336 |
| Average velocity of flue emission (m/s) | : 7.34 |
| Isokinetic flow rate (l/m) | : 26.79 |
| Flue gas flow rate (m ³ /hr.) | : 207.4 |
| Control Measures (if any) | : Nil |
| Remark (If any) | : Nil |

| S.no. | Test Parameters | Results | Units | Test Method | Emission Limits as per EP Rules |
|-------|------------------------------------|---------|---------|---------------|---------------------------------|
| 1. | Particulate Matter(PM) | 0.10 | g/kw-hr | IS 11255(P-1) | ≤ 0.3 |
| 2. | Sulphur Dioxide(SO ₂) | 0.66 | g/kw-hr | IS 11255(P-2) | Not specified |
| 3. | Oxides of Nitrogen(NOx) | 1.15 | g/kw-hr | IS 11255(P-7) | ≤ 7.5 |
| 4. | Hydrocarbon(HC) as CH ₄ | <0.4 | g/kw-hr | IS 5182(P-17) | |
| 5. | Carbon monoxide(CO) | 0.10 | g/kw-hr | IS 13270:1992 | ≤ 3.5 |

*****END OF REPORT*****

Analyzed By
(Vikash Kumar)

Authorized Signatory
(Purushottam Sharma)

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Email: lab@ecostepslab.com | Website: www.ecostepslab.com | Tel: +91 120 4333226,

CIN-U93000DL2014PTC267663

TEST REPORT

Issued to

M/s HCL IT City Lucknow Pvt. Ltd
806, Siddarth, 96, Nehru Place,
New Delhi- 110019



Doc No: ELPL/IV/QF/20

Amend No & Amend Date : 02 & 17/02/2018

Lab Reference No.

: 200321012 DN

Issue Date

: 24/03/2020

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: Email

(Page 1 of 1)


Sample Particulars: DG Noise monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 18/03/2020

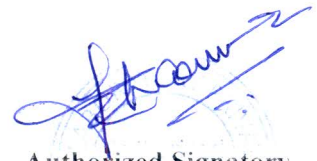
| | | | |
|--------------------------|----------------------|---------------------------------|-------------------|
| Type of sample | : DG Noise | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 23/03/2020 |
| Quantity received | : 01 Sample | Tests Required | : Mentioned below |
| Sample's Location | : Project Site | Sampling Method | : ELPL/III/SOP/37 |

| S.no. | Details of Source | Noise level at 1 meter from the enclosure surface | Units | Test Method |
|-------|-------------------|---|-------|-----------------|
| 1. | DG 25 KVA | 72.6 | dB(A) | ELPL/III/SOP/37 |

*****END OF REPORT*****

Note - Noise Limit for DG Sets (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75 dB (A) at 1 meter from the enclosure surface.


Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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New Delhi- 110019



Doc No. ELPL/IV/QF/20 Amend No & Amend Date 02 & 17.02.2018

Lab Reference No. : 200321013 E

Issue Date : 24/03/2020

Your Reference : Email

(Page 1 of 1)

Sample Particulars: DG Stack monitoring was monitored at "HCL Technology Hub" at Chack Gajarria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 18/03/2020.

| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : DG Stack | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 01 Sample | Tests Required | : Mentioned below |
| Sample's Location | : Project Site | Sampling Method | : ELPL/III/SOP/32 |

| | |
|--|----------------------------|
| DG Capacity | : 12 KW (15 KVA) |
| Source of Emission | : Stack attached to DG Set |
| Type of fuel used | : HSD |
| Type of Stack | : Circular |
| Operating Schedule | : As per requirement |
| Diameter of Stack (m) | : 0.1 |
| Height of Stack from Ground level (m) | : 4 |
| Height of Stack from roof level (m) | : - |
| Time of sampling (minutes) | : 35 |
| Ambient Temperature (k) | : 301 |
| Stack Temperature (k) | : 318 |
| Average velocity of flue emission (m/s) | : 7.28 |
| Isokinetic flow rate (l/m) | : 26.42 |
| Flue gas flow rate (m ³ /hr.) | : 205.7 |
| Control Measures (if any) | : Nil |
| Remark (If any) | : Nil |

| S.no. | Test Parameters | Results | Units | Test Method | Emission Limits as per EP Rules |
|-------|------------------------------------|---------|---------|---------------|---------------------------------|
| 1. | Particulate Matter(PM) | 0.09 | g/kw-hr | IS 11255(P-1) | < 0.3 |
| 2. | Sulphur Dioxide(SO ₂) | 0.79 | g/kw-hr | IS 11255(P-2) | Not specified |
| 3. | Oxides of Nitrogen(NOx) | 1.19 | g/kw-hr | IS 11255(P-7) | < 7.5 |
| 4. | Hydrocarbon(HC) as CH ₄ | <0.4 | g/kw-hr | IS 5182(P-17) | |
| 5. | Carbon monoxide(CO) | 0.11 | g/kw-hr | IS 13270:1992 | ≤ 3.5 |

*****END OF REPORT*****

Analyzed By
(Vikash Kumar)

Authorized Signatory
(Purushottam Sharma)

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CIN-U93000DL2014PTC267663

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M/s HCL IT City Lucknow Pvt. Ltd
806, Siddarth, 96, Nehru Place,
New Delhi- 110019



Doc No. ELPL/IV/QI/20

Amend No & Amend Date 02
& 17/02/2018

Lab Reference No. : 200321014 DN

Issue Date : 24/03/2020

Your Reference : E mail

(Page 1 of 1)


Sample Particulars: DG Noise monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh on 18/03/2020.

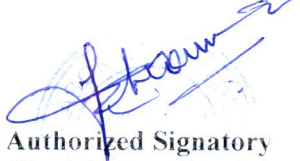
| | | | |
|-------------------|----------------------|--------------------------|-------------------|
| Type of sample | : DG Noise | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 23/03/2020 |
| Quantity received | : 01 Sample | Tests Required | : Mentioned below |
| Sample's Location | : Project Site | Sampling Method | : ELPL/III/SOP/37 |

| S.no. | Details of Source | Noise level at 1 meter from the enclosure surface | Units | Test Method |
|-------|-------------------|---|-------|-----------------|
| 1. | DG 15 KVA | 72.0 | dB(A) | ELPL/III/SOP/37 |

*****END OF REPORT*****

Note - Noise Limit for DG Sets (up to 1000 KVA) manufactured on or after 1st January 2015 shall be 75 dB (A) at 1 meter from the enclosure surface.


Analyzed By
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Authorized Signatory
(Purushottam Sharma)

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New Delhi- 110019



Doc No. ELPL/IV/QF/20

Amend No & Amend Date 02
& 17.02.2018

Lab Reference No.

: 200321015 A

Issue Date

: 24/03/2020

Your Reference

: Email

(Page 1 of 1)

Sample Particulars: Ambient Air Monitoring was monitored from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh. from 17/03/2020 to 18/03/2020.

| | | | |
|-------------------|---------------------------|--------------------------|-------------------|
| Type of sample | : Ambient Air | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 17/03/2020 - 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 24 Hourly Sample | Tests Required | : Mentioned below |
| Sample's Location | : Near DG Room | Sampling Method | : ELPL/III/SOP/21 |

| S.No. | Test Parameters | Units | Results | NAAQS | Test Method |
|-------|---|-------------------|---------|-----------------|-----------------|
| 1 | Particulate Matter as PM ₁₀ | µg/m ³ | 288 | 100 (24 Hourly) | IS 5182 (Pt-23) |
| 2 | Particulate Matter as PM _{2.5} | µg/m ³ | 128 | 060 (24 Hourly) | ELPL/III/SOP/23 |
| 3 | Sulphur Dioxide as SO ₂ | µg/m ³ | 12.4 | 080 (24 Hourly) | IS 5182 (Pt-02) |
| 4 | Oxides of Nitrogen as NO _x | µg/m ³ | 23.8 | 080 (24 Hourly) | IS 5182 (Pt-06) |
| 5 | Carbon Monoxide as CO | mg/m ³ | 0.12 | 002 (08 Hourly) | IS 5182 (Pt-10) |

*****END OF REPORT*****

Analyzed By
(Vikash Kumar)

Authorized Signatory
(Purushottam Sharma)

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Lab Reference No. :

200321016 N

Issue Date :

24/03/2020

Your Reference :

Email

(Page 1 of 1)

Sample Particulars: Ambient Noise Monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, from 17/03/2020 to 18/03/2020.


| | | | |
|-------------------|---------------------------|--------------------------|-------------------|
| Type of sample | : Ambient Noise | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 17/03/2020 - 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 23/03/2020 |
| Quantity received | : 24 Hourly Sample | Tests Required | : Mentioned below |
| Sample's Location | : Near DG Room | Sampling Method | : ELPL/III/SOP/37 |

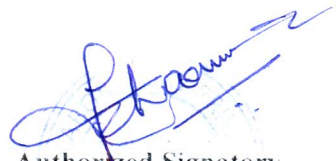
| Time | Leq | Method |
|----------------------------------|------|-----------------|
| Day Time(06:00 am to 10:00 pm) | 53.9 | ELPL/III/SOP/37 |
| Night Time(10:00 pm to 06:00 am) | 43.1 | ELPL/III/SOP/37 |

| Standards for Ambient Noise | | | |
|-----------------------------|-----------------------|-----------------------|------------|
| Area Code | Category of Area/Zone | Limits in dB (A) Leq* | |
| | | Day time | Night time |
| (A) | Industrial area | 75 | 70 |
| (B) | Commercial area | 65 | 55 |
| (C) | Residential area | 55 | 45 |
| (D) | Silence Zone | 50 | 40 |

*****END OF REPORT*****

*Leq : It is energy mean of the noise level over a specified period


Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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Doc No. ELPL/IV/QF/20

Amend. No. & Amend. Date : 02
& 17.02.2018

Lab Reference No.

: 200321037 A

Issue Date

: 24/03/2020

Your Reference

: Email


(Page1of 1)

Sample Particulars: Ambient Air Monitoring was monitored from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, from 17/03/2020 to 18/03/2020.

| | | | |
|-------------------|---------------------------|--------------------------|-------------------|
| Type of sample | : Ambient Air | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 17/03/2020 – 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 24 Hourly Sample | Tests Required | : Mentioned below |
| Sample's Location | : Project office | Sampling Method | : ELPL/III/SOP/21 |

| S.No. | Test Parameters | Units | Results | NAAQS | Test Method |
|-------|---|-------------------|---------|-----------------|-----------------|
| 1 | Particulate Matter as PM ₁₀ | µg/m ³ | 270 | 100 (24 Hourly) | IS 5182 (Pt-23) |
| 2 | Particulate Matter as PM _{2.5} | µg/m ³ | 121.4 | 060 (24 Hourly) | ELPL/III/SOP/23 |
| 3 | Sulphur Dioxide as SO ₂ | µg/m ³ | 12.8 | 080 (24 Hourly) | IS 5182 (Pt-02) |
| 4 | Oxides of Nitrogen as NO _x | µg/m ³ | 26.1 | 080 (24 Hourly) | IS 5182 (Pt-06) |
| 5 | Carbon Monoxide as CO | mg/m ³ | 0.13 | 002 (08 Hourly) | IS 5182 (Pt-10) |

*****END OF REPORT*****


Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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Doc No. ELPL/IV/QF/20 Amend. No. & Amend. Date : 02 & 17.02.2018
 Lab Reference No. : 200321038 N
 Issue Date : 24/03/2020
 Your Reference : Email
 (Page1of 1)

Sample Particulars: Ambient Noise Monitoring was monitored at “HCL Technology Hub” at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, from 17/03/2020 to 18/03/2020.

| | | | |
|-------------------|---------------------------|--------------------------|-------------------|
| Type of sample | : Ambient Noise | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 17/03/2020 – 18/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 23/03/2020 |
| Quantity received | : 24 Hourly Sample | Tests Required | : Mentioned below |
| Sample's Location | : Project Office | Sampling Method | : ELPL/III/SOP/37 |

| Time | Leq | Method |
|----------------------------------|------|-----------------|
| Day Time(06:00 am to 10:00 pm) | 53.5 | ELPL/III/SOP/37 |
| Night Time(10:00 pm to 06:00 am) | 42.9 | ELPL/III/SOP/37 |

| Standards for Ambient Noise | | | |
|-----------------------------|-----------------------|-----------------------|------------|
| Area Code | Category of Area/Zone | Limits in dB (A) Leq* | |
| | | Day time | Night time |
| (A) | Industrial area | 75 | 70 |
| (B) | Commercial area | 65 | 55 |
| (C) | Residential area | 55 | 45 |
| (D) | Silence Zone | 50 | 40 |

*****END OF REPORT*****

*Leq : It is energy mean of the noise level over a specified period.


 Analyzed By
 (Vikash Kumar)


 Authorized Signatory
 (Purushottam Sharma)

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Lab Reference No.

: 200321017 A

Issue Date

: 24/03/2020

Your Reference

: Email

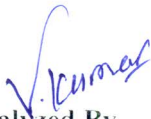
(Page 1 of 1)

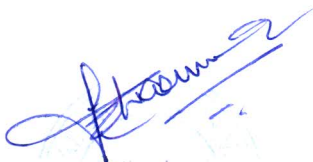
Sample Particulars: Ambient Air Monitoring was monitored from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, from 18/03/2020 to 19/03/2020.

| | | | |
|--------------------------|---------------------------|---------------------------------|-------------------|
| Type of sample | : Ambient Air | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 - 19/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 24 Hourly Sample | Tests Required | : Mentioned below |
| Sample's Location | : Project office | Sampling Method | : ELPL/III/SOP/21 |

| S.No. | Test Parameters | Units | Results | NAAQS | Test Method |
|-------|---|-------------------|---------|-----------------|-----------------|
| 1 | Particulate Matter as PM ₁₀ | µg/m ³ | 282 | 100 (24 Hourly) | IS 5182 (Pt-23) |
| 2 | Particulate Matter as PM _{2.5} | µg/m ³ | 125 | 060 (24 Hourly) | ELPL/III/SOP/23 |
| 3 | Sulphur Dioxide as SO ₂ | µg/m ³ | 13.5 | 080 (24 Hourly) | IS 5182 (Pt-02) |
| 4 | Oxides of Nitrogen as NO _x | µg/m ³ | 27.2 | 080 (24 Hourly) | IS 5182 (Pt-06) |
| 5 | Carbon Monoxide as CO | mg/m ³ | 0.12 | 002 (08 Hourly) | IS 5182 (Pt-10) |

*****END OF REPORT*****


Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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Amend No & Amend Date : 02 & 17/02/2018

Lab Reference No. : 200321018 N

Issue Date : 24/03/2020

Your Reference : Email

(Page 1 of 1)

Sample Particulars: Ambient Noise Monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, from 18/03/2020 to 19/03/2020.

| | | | |
|-------------------|---------------------------|--------------------------|-------------------|
| Type of sample | : Ambient Noise | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 - 19/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 23/03/2020 |
| Quantity received | : 24 Hourly Sample | Tests Required | : Mentioned below |
| Sample's Location | : Project Office | Sampling Method | : ELPL/III/SOP/37 |


| Time | Leq | Method |
|----------------------------------|------|-----------------|
| Day Time(06:00 am to 10:00 pm) | 53.9 | ELPL/III/SOP/37 |
| Night Time(10:00 pm to 06:00 am) | 42.3 | ELPL/III/SOP/37 |


Standards for Ambient Noise

| Area Code | Category of Area/Zone | Limits in dB (A) Leq* | |
|-----------|-----------------------|-----------------------|------------|
| | | Day time | Night time |
| (A) | Industrial area | 75 | 70 |
| (B) | Commercial area | 65 | 55 |
| (C) | Residential area | 55 | 45 |
| (D) | Silence Zone | 50 | 40 |

*****END OF REPORT*****

*Leq : It is energy mean of the noise level over a specified period.


Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

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Lab Reference No.

: 200321035 A

Issue Date

: 24/03/2020

Your Reference

: Email


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Sample Particulars: Ambient Air Monitoring was monitored from "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, from 18/03/2020 to 19/03/2020.

| | | | |
|-------------------|---------------------------|--------------------------|-------------------|
| Type of sample | : Ambient Air | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 - 19/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 24/03/2020 |
| Quantity received | : 24 Hourly Sample | Tests Required | : Mentioned below |
| Sample's Location | : Near DG Room | Sampling Method | : ELPL/III/SOP/21 |

| S.No. | Test Parameters | Units | Results | NAAQS | Test Method |
|-------|---|-------------------|---------|-----------------|-----------------|
| 1 | Particulate Matter as PM ₁₀ | µg/m ³ | 271 | 100 (24 Hourly) | IS 5182 (Pt-23) |
| 2 | Particulate Matter as PM _{2.5} | µg/m ³ | 138 | 060 (24 Hourly) | ELPL/III/SOP/23 |
| 3 | Sulphur Dioxide as SO ₂ | µg/m ³ | 11.8 | 080 (24 Hourly) | IS 5182 (Pt-02) |
| 4 | Oxides of Nitrogen as NO _x | µg/m ³ | 21.6 | 080 (24 Hourly) | IS 5182 (Pt-06) |
| 5 | Carbon Monoxide as CO | mg/m ³ | 0.11 | 002 (08 Hourly) | IS 5182 (Pt-10) |

*****END OF REPORT*****


Analyzed By
(Vikash Kumar)


Authorized Signatory
(Purushottam Sharma)

- The results indicated only refer to the tested samples and listed parameters & do not endorse any product.
- Test report is limited to the invoice raised.
- Test report cannot be produced in part or as whole without laboratory permission.
- Samples shall be retained for four weeks after test report submitted.
- This report shall not be used for any legal purpose & any advertising media or as evidence in the court of law without prior written consent of the laboratory.

Laboratory: D-79, Ground Floor, Sector-6, Noida-201301, U.P. (India)

Registered office: Unit No-334, Third Floor, Plot No-1, LSC, Vardhman Sunrise Plaza, Vasundhara Enclave, Delhi-110096

Email: lab@ecostepslab.com | Website: www.ecostepslab.com | Tel: +91 120 4333226,

CIN-U93000DL2014PTC267663



Sample Particulars: Ambient Noise Monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, from 18/03/2020 to 19/03/2020.


| | | | |
|-------------------|---------------------------|--------------------------|-------------------|
| Type of sample | : Ambient Noise | Sample Registration Date | : 21/03/2020 |
| Sampling Date | : 18/03/2020 – 19/03/2020 | Analysis Starting Date | : 21/03/2020 |
| Sampling Done by | : Lab representative | Analysis Completion Date | : 23/03/2020 |
| Quantity received | : 24 Hourly Sample | Tests Required | : Mentioned below |
| Sample's Location | : Near DG Room | Sampling Method | : ELPL/III/SOP/37 |

| Time | Leq | Method |
|----------------------------------|------|-----------------|
| Day Time(06:00 am to 10:00 pm) | 53.2 | ELPL/III/SOP/37 |
| Night Time(10:00 pm to 06:00 am) | 43.4 | ELPL/III/SOP/37 |

| Standards for Ambient Noise | | | |
|-----------------------------|-----------------------|-----------------------|------------|
| Area Code | Category of Area/Zone | Limits in dB (A) Leq* | |
| | | Day time | Night time |
| (A) | Industrial area | 75 | 70 |
| (B) | Commercial area | 65 | 55 |
| (C) | Residential area | 55 | 45 |
| (D) | Silence Zone | 50 | 40 |

*****END OF REPORT*****

*Leq : It is energy mean of the noise level over a specified period.


 Analyzed By
 (Vikash Kumar)


 Authorized Signatory
 (Purushottam Sharma)

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TEST REPORT

Issued to

M/s HCL IT City Lucknow Pvt. Ltd
806, Siddarth, 96, Nehru Place,
New Delhi- 110019



Doc No. ELPL/IV/QF/20

Amend. No. & Amend. Date : 02
& 17.02.2018

Lab Reference No.

: 200321036 N

Issue Date

: 24/03/2020

Your Reference

: Email

(Page1 of 1)

Sample Particulars: Ambient Noise Monitoring was monitored at "HCL Technology Hub" at Chack Gajaria Farms, Sultanpur Road, Lucknow, Uttar Pradesh, from 18/03/2020 to 19/03/2020.


| | | | |
|-------------------|---------------------------|--------------------------|-------------------|
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| Sampling Date | : 18/03/2020 – 19/03/2020 | Analysis Starting Date | : 21/03/2020 |
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*****END OF REPORT*****

*Leq : It is energy mean of the noise level over a specified period.


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