



**RP - Sanjiv Goenka
Group**
Growing Legacies



Dhariwal Infrastructure Limited

CIN : U70109WB2006PLC111457
E-mail : dhariwalinfrastructure@rpsg.in

Ref: DIL/HSE/F-08/23-24/55

Date: 21.09.2023

To,
The Member Secretary,
Maharashtra Pollution Control Board,
Kalpataru Point, 3rd Floor,
Sion Matunga Road No.8,
Sion East,
Mumbai-400022.

**Sub: Submission of Environmental Statement for the financial year ending 31st
March 2023.**

Dear Sir,

We have submitted online, the Annual Environment Statement for the financial year 2022-23 on EC MPCB Portal. Copy of the Environment Statement (Form-V) downloaded from EC MPCB portal along with annexures is attached herewith for your ready reference.

We hope you will find the same in order.

Thanking you,

Yours Faithfully,
For **Dhariwal Infrastructure Limited.**

Authorized Signatory

CC:

1. The Regional Officer,
Maharashtra Pollution Control Board,
1st Floor, Udyog Bhawan,
Chandrapur (Maharashtra).
2. Sub Regional Officer,
Maharashtra Pollution Control Board,
1st Floor, Udyog Bhawan,
Chandrapur (Maharashtra).



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000058535

Submitted Date

21-09-2023

PART A

Company Information

Company Name

Dhariwal Infrastructure Limited

Application UAN number

UAN No. 0000098447

Address

Dhariwal Infrastructure Limited, Plot No.C-6,
C-7 & C-8, Tadali Growth Centre , MIDC
Tadali, Chandrapur-442406, Maharashtra.

Plot no

C-6, C-7 & C-8

Taluka

Tadali Industrial area MIDC

Village

Tadali

Capital Investment (In lakhs)

390450.00

Scale

LSI

City

Chandrapur

Pincode

442406

Person Name

Soumen Barua

Designation

Vice President

Telephone Number

9307900152

Fax Number

07172237992

Email

dil.hse@rpsg.in

Region

SRO-Chandrapur

Industry Category

Red

Industry Type

R48 Thermal Power Plants

Last Environmental statement submitted online

yes

Consent Number

Format 1.0/CAC/UAN No. MPCB-
CONSENT-0000113131/CR-2110000172

Consent Issue Date

2021-10-05

Consent Valid Upto

2024-06-30

Establishment Year

2014

Date of last environment statement submitted

Sep 20 2022
12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

Electricity Generation

Consent Quantity

5256000

Actual Quantity

4229457.0

UOM

Mwh

By-product Information

By Product Name

0

Consent Quantity

0

Actual Quantity

0

UOM

Mwh

Part-B (Water & Raw Material Consumption)

<u>1) Water Consumption in m3/day</u>			
Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day	
	5280.00	1035.00	
Cooling	49440.00	23624.00	
Domestic	60.00	53.00	
All others	50.00	22.42	
Total	54830.00	24734.42	

<u>2) Effluent Generation in CMD / MLD</u>			
Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	7776	5300	CMD
Domestic Effluent	36	22.42	CMD

<u>2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)</u>			
Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Power Generation	2.14	2.13	CMD

<u>3) Raw Material Consumption (Consumption of raw material per unit of product)</u>			
Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Coal	0.681802	0.661104	MT/MWH
LDO	0.00019024	0.000091947	

<u>4) Fuel Consumption</u>			
Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	4029600	2796114	MT/A
LDO	4066	388.89	KL/A

Part-C

<u>Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)</u>					
<u>[A] Water</u>					
Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
Our Industry is ZLD	0	0	0	2100	0
<u>[B] Air (Stack)</u>					
Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
Stack-1 (Particulate Matter)	942.82	31.67	0	50	0
Stack-2 (Particulate Matter)	992.52	31.54	0	50	0

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	48.4	8.22	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	29	32	Nos./Y
Other Hazardous Waste	1.560	3.270	MT/A
35.2 Spent ion exchange resin containing toxic metals	1.170	0	MT/A
33.2 Contaminated cotton rags or other cleaning materials	0.370	0.050	MT/A
5.2 Wastes or residues containing oil	0.08	0	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.3 Chemical sludge from waste water treatment	0.170	0	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
FLY ASH	854413	961069	MT/A
BOTTOM ASH	96704	104268	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
BIOLOGICAL SLUDGE	0	0	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Part-F

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

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	8.22	MT/A	Well below the norms, Testing reports attached.
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	32	Nos./Y	Well below the norms
Other Hazardous Waste	3.270	MT/A	It is Glass Wool
35.3 Chemical sludge from waste water treatment	0	MT/A	Well below the norms
35.2 Spent ion exchange resin containing toxic metals	0	MT/A	Well below the norms

33.2 Contaminated cotton rags or other cleaning materials	0.050	MT/A	Well below the norms
5.2 Wastes or residues containing oil	0	MT/A	Well below the norms

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
FLY ASH	961069	MT/A	NA
BOTTOM ASH	104268	MT/A	NA

Part-G

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
2020-21	579	1.5	11586	1014911520	293.05	0
2021-22	0	0	0	0	340.7	0
2022-23	116	1.16	88818597	4652403	285.25	0

Part-H

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

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Construction of Roads and drains, Drain construction at Ash Pond, Purchase of Horticulture maintenance equipment's, Oily Water pumps and piping installation in TG area, Purchase of OWC for Food waste	Expenditure made on Air pollution, Water pollution and Land pollution control measures, Greenery development and other Environmental protection measures.	285.25

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Construction of roads & drains inside plant, Rooftop rain water harvesting system, Green building, Miyawaki Forest concept development, Azolla farming for Carbon absorption , DFDS system installation	Expenditure proposed for on Air pollution, Water pollution and Land pollution control measures, Greenery development and other Environmental protection measures.	164.5

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Factory has already implemented all the necessary pollution control measures. Green belt development programme is a regular feature.

Name & Designation

SOUMEN BARUA, VICE PRESIDENT

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000058535

Submitted On:

21-09-2023



Test Report

Annexure-3

CHARACTERISATION OF POLLUTION LOADS INDUSTRIAL EFFLUENT

1. Location: Treated Effluent

S.No	Month of Sampling	pH	TDS	TSS	BOD	COD	Oil & Grease
1	Apr-22	7.7	1060.0	10.0	15.3	70.6	BDL
2	May-22	7.8	1288.0	10.4	15.1	65.4	BDL
3	Jun-22	8.0	953.3	15.0	17.0	83.0	BDL
4	Jul-22	7.9	1048.0	9.4	13.4	65.9	BDL
5	Aug-22	7.7	1034.0	8.4	11.0	61.7	0.8
6	Sep-22	7.8	1030.0	8.2	16.0	65.3	0.6
7	Oct-22	7.6	1054.0	10.0	18.1	73.4	0.8
8	Nov-22	7.1	1008.0	12.0	21.0	82.2	1.0
9	Dec-22	7.2	1096.0	14.0	22.0	86.4	1.2
10	Jan-23	7.2	1098.0	16.0	23.6	90.6	1.4
11	Feb-23	7.1	1100.0	16.0	26.0	90.6	1.4
12	Mar-23	7.2	1120.0	10.0	21.0	81.7	1.2
Average		7.5	1074.1	11.6	18.3	76.4	1.05





Test Report

1.0 Stack Emission (mg/Nm³)

1.1 Source : TPP Unit I

Stack dia. at Top: 5.0 mtr.

Stack dia. at Port: 5.0 mtr.

Stack Height : 275.0 Mtr.

Sr.No.	Parameters Concentration	Total Particulate Matter (mg/Nm ³)	Sulphur Dioxide (as SO ₂) (mg/Nm ³)	Oxide of Nitrogen as (NO _x) (mg/Nm ³)	Moisture (%)	Mercury as (Hg) (mg/Nm ³)
1.	April-22	31.0	1051.4	419.7	0.91	0.004
2.	May-22	33.0	1011.9	399.4	0.84	0.003
3.	Jun-22	35.0	602.4	318.6	0.78	BLQ(**LOQ-0.005)
4.	Jul-22	25.5	1105.3	434.0	0.84	*BLQ(**LOQ-0.005)
5.	Aug-22	28.8	1278.9	430.8	0.79	*BLQ(**LOQ-0.005)
6.	Sep-22	30.1	1264.4	424.7	0.82	*BLQ(**LOQ-0.005)
7.	Oct-22	34.6	1930.2	572.1	0.78	*BLQ(**LOQ-0.005)
8.	Nov-22	34.9	2252.9	734.0	0.86	*BLQ(**LOQ-0.005)
9.	Dec-22	36.6	1832.9	702.1	0.87	*BLQ(**LOQ-0.005)
10.	Jan-23	33.8	2303.0	648.5	0.88	*BLQ(**LOQ-0.005)
11.	Feb-23	28.1	2343.9	743.6	0.74	*BLQ(**LOQ-0.005)
12.	Mar-23	23.0	2132.3	639.0	0.63	*BLQ(**LOQ-0.005)
Average		31.2	1592.5	538.9	0.81	0.004

1.2 Source : TPP Unit II

Stack dia. at Top: 5.0 mtr.

Stack dia. at Port: 5.0 mtr.

Stack Height : 275.0 Mtr.

Sr.No.	Parameters Concentration	Total Particulate Matter (mg/Nm ³)	Sulphur Dioxide (as SO ₂) (mg/Nm ³)	Oxide of Nitrogen as (NO _x) (mg/Nm ³)	Moisture (%)	Mercury as (Hg) (mg/Nm ³)
1.	April-22	28.7	1002.9	366.9	0.89	0.005
2.	May-22	30.8	1013.4	379.1	0.81	0.004
3.	Jun-22	28.0	559.4	367.7	0.67	*BLQ(**LOQ-0.005)
4.	Jul-22	32.7	1034.8	382.1	0.92	*BLQ(**LOQ-0.005)
5.	Aug-22	36.6	1328.1	379.3	0.87	*BLQ(**LOQ-0.005)
6.	Sep-22	33.7	1118.9	402.4	0.85	*BLQ(**LOQ-0.005)
7.	Oct-22	32.4	2170.5	459.5	0.81	*BLQ(**LOQ-0.005)
8.	Nov-22	36.2	2168.6	698.8	0.92	*BLQ(**LOQ-0.005)
9.	Dec-22	29.1	1793.6	622.2	0.93	*BLQ(**LOQ-0.005)
10.	Jan-23	32.0	2139.8	628.4	0.85	*BLQ(**LOQ-0.005)
11.	Feb-23	31.6	2206.1	686.5	0.78	*BLQ(**LOQ-0.005)
12.	Mar-23	26.4	1966.3	694.0	0.68	*BLQ(**LOQ-0.005)
Average		31.5	1541.9	505.6	0.83	0.005





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Ambient Air Quality

Location:- VIP Gate(near AAQMS Cabin-01)(12 Parameters)

Sr.N o.	Month	Date of Monitoring	Concentration in $\mu\text{g}/\text{m}^3$											
			SO ₂	NO ₂	PM ₁₀	PM _{2.5}	O ₃	Pb	CO	NH ₃	C ₆ H ₆	BaP	As	Ni
1.	Apr-22	11/04/2022 to 12/04/2022	8.71	15.78	58.12	29.47	7.57	0.04	0.29	4.75	1.58	0.51	1.92	5.9
2.	May-22	19/05/2022 to 20/05/2022	7.55	13.12	52.25	25.49	0.5	1.52	0.28	4.59	0.02	1.24	5.24	7.23
3.	Jun-22	16/06/2022 to 17/06/2022	10.45	25.12	60.15	30.71	22.55	*BLQ(**LO Q-0.1)	0.66	27.2	*BLQ(** LOQ- 0.5)	*BLQ(** LOQ- -0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
4.	Jul-22	19/07/2022 to 20/07/2022	7.85	17.27	60.42	27.86	13.75	*BLQ(**LO Q-0.1)	0.53	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ- 0.5)	*BLQ(** LOQ- -0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
5.	Aug-22	17/08/2022 to 18/08/2022	8.7	16.27	61	25.24	18.95	*BLQ(**LO Q-0.1)	0.52	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ- 0.5)	*BLQ(** LOQ- -0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
6.	Sep-22	14/09/2022 to 15/09/2022	10.65	19.63	64.1	27.44	20.07	*BLQ(**LO Q-0.1)	*BLQ(** LOQ- 0.5)	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ- 0.5)	*BLQ(** LOQ- -0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
7.	Oct-22	14/10/2022 to 15/10/2022	9.2	15.2	57.3	32.6	5.82	0.04	0.61	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ- 0.5)	*BLQ(** LOQ- -0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
8.	Nov-22	22/11/2022 to 23/11/2022	7.82	14.5	61.76	29.29	22.39	*BLQ(**LO Q-0.1)	0.65	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ- 0.5)	*BLQ(** LOQ- -0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
9.	Dec-22	16/12/2022 to 17/12/2022	8.91	16.41	63.2	31.7	26.46	*BLQ(**LO Q-0.1)	0.71	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ- 0.5)	*BLQ(** LOQ- -0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
10.	Jan-23	21/01/2023 to 22/01/2023	10.49	18.6	65.61	32.97	28	*BLQ(**LO Q-0.1)	0.73	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ- 0.5)	*BLQ(** LOQ- -0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
11.	Feb-23	16/02/2023 to 17/02/2023	10.62	20.96	68.56	34.21	25.07	*BLQ(**LO Q-0.1)	0.69	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ- 0.5)	*BLQ(** LOQ- -0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
12.	Mar-23	01/03/2023 to 02/03/2023	9.6	18.95	66.15	32.69	23.12	*BLQ(**LO Q-0.1)	0.72	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ- 0.5)	*BLQ(** LOQ- -0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Location:- Old Switch Yard (Near AAQMS Cabin-03)(12 Parameters)

Sr.N o.	Month	Date of Monitoring	Concentration in $\mu\text{g}/\text{m}^3$											
			SO ₂	NO ₂	PM ₁₀	PM _{2.5}	O ₃	Pb	CO	NH ₃	C ₆ H ₆	BaP	As	Ni
1.	Apr-22	11/04/2022 to 12/04/2022	10.8	17.27	61.45	26.78	8.6	0.06	0.52	6.25	1.62	ND	1.45	5.46
2.	May-22	20/05/2022 to 21/05/2022	9.76	16.88	56.36	25.34	ND	1.46	0.4	6.89	0.03	1.58	5.24	8.95
3.	Jun-22	16/06/2022 to 17/06/2022	12.41	22.18	57.69	32.37	26.73	*BLQ(**L OQ-0.1)	0.68	38.08	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
4.	Jul-22	19/07/2022 to 20/07/2022	10.99	29.64	64.59	29.1	14.27	*BLQ(**L OQ-0.1)	0.55	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
5.	Aug-22	17/08/2022 to 18/08/2022	9.69	24.67	65.5	29.36	22.85	*BLQ(**L OQ-0.1)	0.52	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
6.	Sep-22	14/09/2022 to 15/09/2022	9.64	18.23	58.01	30.35	22.85	*BLQ(**L OQ-0.1)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
7.	Oct-22	14/10/2022 to 15/10/2022	6.85	15.78	58.78	27.63	21.17	*BLQ(**L OQ-0.1)	0.58	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
8.	Nov-22	22/11/2022 to 23/11/2022	7.76	14.37	59.22	30.74	18.25	*BLQ(**L OQ-0.1)	0.62	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
9.	Dec-22	16/12/2022 to 17/12/2022	8.15	16.89	61.07	32.21	21.27	*BLQ(**L OQ-0.1)	0.66	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
10.	Jan-23	21/01/2023 to 22/01/2023	9.4	17.82	62.15	33.09	21.83	*BLQ(**L OQ-0.1)	0.69	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
11.	Feb-23	16/02/2023 to 17/02/2023	8.63	18.26	66.32	34.18	19.47	*BLQ(**L OQ-0.1)	0.67	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
12.	Mar-23	01/03/2023 to 02/03/2023	9.56	19.54	69.55	36.8	21.17	*BLQ(**L OQ-0.1)	0.71	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Location:- ETP(near AAQMS Cabin-02 & RWH Pond) (12 Parameters)

Sr.N o.	Month	Date of Monitoring	Concentration in $\mu\text{g}/\text{m}^3$											
			SO ₂	NO ₂	PM ₁₀	PM _{2.5}	O ₃	Pb	CO	NH ₃	C ₆ H ₆	BaP	As	Ni
1.	Apr-22	11/04/2022 to 12/04/2022	8.29	17.74	57.12	25.05	5.85	0.04	0.33	3.81	1.43	ND	2.08	BDL
2.	May-22	19/05/2022 to 20/05/2022	7.96	14.25	55.23	24.21	ND	1.42	0.34	3.86	0.03	1.11	BDL	5.56
3.	Jun-22	16/06/2022 to 17/06/2022	11.61	27.35	64.46	24.41	25.89	*BLQ(**L OQ-0.1)	0.68	31.43	*BLQ(** LOQ-0.5)	*BLQ(** LO Q-0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
4.	Jul-22	19/07/2022 to 20/07/2022	9.42	17.99	59.08	27.44	14.53	*BLQ(**L OQ-0.1)	0.58	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LO Q-0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
5.	Aug-22	17/08/2022 to 18/08/2022	9.19	18.35	60.7	29.37	20.9	*BLQ(**L OQ-0.1)	0.58	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LO Q-0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
6.	Sep-22	14/09/2022 to 15/09/2022	8.62	16.82	56.5	23.7	25.64	*BLQ(**L OQ-0.1)	*BLQ(** LOQ- 0.5)	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LO Q-0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
7.	Oct-22	14/10/2022 to 15/10/2022	10.23	19.02	53.52	21.91	17.28	*BLQ(**L OQ-0.1)	0.52	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LO Q-0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
8.	Nov-22	22/11/2022 to 23/11/2022	8.34	16.85	55.21	25.94	18.5	*BLQ(**L OQ-0.1)	0.58	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LO Q-0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
9.	Dec-22	16/12/2022 to 17/12/2022	7.96	14.15	58.22	28.5	20.23	*BLQ(**L OQ-0.1)	0.64	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LO Q-0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
10.	Jan-23	21/01/2023 to 22/01/2023	9.46	16.6	60.52	30.74	22.27	*BLQ(**L OQ-0.1)	0.66	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LO Q-0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
11.	Feb-23	16/02/2023 to 17/02/2023	8.15	19.61	62.66	33.61	20.69	*BLQ(**L OQ-0.1)	0.63	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LO Q-0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)
12.	Mar-23	01/03/2023 to 02/03/2023	6.37	17.27	64.03	31.2	18.01	*BLQ(**L OQ-0.1)	0.65	*BLQ(** LOQ- 20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LO Q-0.5)	*BLQ(** LOQ- 0.1)	*BLQ(** LOQ- 5.0)





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Location:- Terrach of Mr. Maroti Shankar Rogh House Village- Sonagaon(12 Parameters)

Sr.N o.	Month	Date of Monitoring	Concentration in $\mu\text{g}/\text{m}^3$											
			SO ₂	NO ₂	PM ₁₀	PM _{2.5}	O ₃	Pb	CO	NH ₃	C ₆ H ₆	BaP	As	Ni
1.	Apr-22	13/04/2022 to 14/04/2022	7.77	14.87	54.16	24.49	7.22	0.03	0.38	BDL	ND	BDL	1.83	1.37
2.	May-22	21/05/2022 to 22/05/2022	7.37	14.88	52.4	22.45	ND	1.48	0.31	BDL	0.03	BDL	1.12	5.16
3.	Jun-22	17/06/2022 to 18/06/2022	10.53	23.91	63.95	29.66	21.16	*BLQ(**L OQ-0.1)	0.66	28	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
4.	Jul-22	21/07/2022 to 22/07/2022	9.42	15.11	56.26	25.36	13.49	*BLQ(**L OQ-0.1)	0.52	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
5.	Aug-22	19/08/2022 to 20/08/2022	9.73	18.4	59.15	25.26	23.97	*BLQ(**L OQ-0.1)	0.57	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
6.	Sep-22	16/09/2022 to 17/09/2022	12.18	22.43	63.69	25.36	17	*BLQ(**L OQ-0.1)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
7.	Oct-22	14/10/2022 to 15/10/2022	9.2	20.42	64.53	27.76	16.55	*BLQ(**L OQ-0.1)	0.61	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
8.	Nov-22	24/11/2022 to 25/11/2022	10.7	18.98	61.75	33.44	17.04	*BLQ(**L OQ-0.1)	0.63	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
9.	Dec-22	14/12/2022 to 15/12/2022	10.5	16.68	60.14	31.89	16.6	*BLQ(**L OQ-0.1)	0.58	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
10.	Jan-23	23/01/2023 to 24/01/2023	8.7	12.29	63.82	34.25	20.28	*BLQ(**L OQ-0.1)	0.65	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
11.	Feb-23	18/02/2023 to 19/02/2023	9.63	14.25	61.85	34.23	19.71	*BLQ(**L OQ-0.1)	0.61	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
12.	Mar-23	01/03/2023 to 02/03/2023	7.18	16.88	63.77	33.33	18.08	*BLQ(**L OQ-0.1)	0.58	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Location:- Terrace of Gram Panchayat, Village- Yerur (12 Parameters)

Sr.N o.	Month	Date of Monitoring	Concentration in $\mu\text{g}/\text{m}^3$											
			SO ₂	NO ₂	PM ₁₀	PM _{2.5}	O ₃	Pb	CO	NH ₃	C ₆ H ₆	BaP	As	Ni
1.	Apr-22	13/04/2022 to 14/04/2022	7.06	15.31	42.36	22.52	5.85	0.03	0.37	4.68	NDL	0.59	1.08	1.75
2.	May-22	20/05/2022 to 21/05/2022	7.91	15.04	48.1	25.36	ND	1.24	0.32	3.51	0.02	NDL	1.88	5.85
3.	Jun-22	17/06/2022 to 18/06/2022	8.14	26.15	60.14	29.46	21.99	*BLQ(**L OQ-0.1)	0.67	25.79	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
4.	Jul-22	21/07/2022 to 22/07/2022	8.9	16.55	45.19	20.70	12.71	*BLQ(**L OQ-0.1)	0.53	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
5.	Aug-22	19/08/2022 to 20/08/2022	7.67	15.54	48.41	20.99	23.97	*BLQ(**L OQ-0.1)	0.51	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
6.	Sep-22	15/09/2022 to 16/09/2022	8.62	21.73	59.38	24.53	26.2	*BLQ(**L OQ-0.1)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
7.	Oct-22	14/10/2022 to 15/10/2022	6.42	18.5	62.77	29.6	15.82	*BLQ(**L OQ-0.1)	0.54	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
8.	Nov-22	24/11/2022 to 25/11/2022	8.84	19.94	63.12	34.64	18.74	*BLQ(**L OQ-0.1)	0.65	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
9.	Dec-22	14/12/2022 to 15/12/2022	9.29	18.27	62.25	33.48	17.64	*BLQ(**L OQ-0.1)	0.69	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
10.	Jan-23	23/01/2023 to 24/01/2023	7.11	12.87	61.51	35.27	24.68	*BLQ(**L OQ-0.1)	0.7	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
11.	Feb-23	18/02/2023 to 19/02/2023	8.26	10.96	57.01	30.22	22.39	*BLQ(**L OQ-0.1)	0.69	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
12.	Mar-23	01/03/2023 to 02/03/2023	6.74	12.91	60.58	32.11	18.25	*BLQ(**L OQ-0.1)	0.65	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Location:- Terrace of Shri Bapurao Pimpalkar House, Village - Wandhari (12 Parameters)

Sr.N o.	Month	Date of Monitoring	Concentration in $\mu\text{g}/\text{m}^3$											
			SO ₂	NO ₂	PM ₁₀	PM _{2.5}	O ₃	Pb	CO	NH ₃	C ₆ H ₆	BaP	As	Ni
1.	Apr-22	12/04/2022 to 13/04/2022	7.89	14.07	52.43	24.31	BDL	0.09	0.24	BDL	BDL	ND	0.05	1.74
2.	May-22	21/05/2022 to 22/05/2022	7.63	13.59	48.09	22.33	ND	1.02	0.3	BDL	0.02	BDL	1.86	BDL
3.	Jun-22	17/06/2022 to 18/06/2022	9.33	21.6	59.06	23.81	19.21	*BLQ(**L OQ-0.1)	0.62	26.59	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
4.	Jul-22	21/07/2022 to 22/07/2022	9.28	15.83	55	26.19	13.49	*BLQ(**L OQ-0.1)	0.53	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
5.	Aug-22	19/08/2022 to 20/08/2022	10.8	16.35	53.7	25.38	24.25	*BLQ(**L OQ-0.1)	0.51	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
6.	Sep-22	15/09/2022 to 16/09/2022	10.65	23.84	62.69	26.61	17.84	*BLQ(**L OQ-0.1)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
7.	Oct-22	14/10/2022 to 15/10/2022	9.12	18.73	57.75	23.26	15.82	*BLQ(**L OQ-0.1)	0.55	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
8.	Nov-22	24/11/2022 to 25/11/2022	7.27	16.66	55.28	26.07	16.31	*BLQ(**L OQ-0.1)	0.53	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
9.	Dec-22	14/12/2022 to 15/12/2022	9.83	19.02	58.59	29.59	18.68	*BLQ(**L OQ-0.1)	0.64	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
10.	Jan-23	23/01/2023 to 24/01/2023	11.39	15.86	64.36	32.28	18.96	*BLQ(**L OQ-0.1)	0.6	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
11.	Feb-23	18/02/2023 to 19/02/2023	9.66	16.35	59.03	31.34	15.09	*BLQ(**L OQ-0.1)	0.57	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)
12.	Mar-23	01/03/2023 to 02/03/2023	8.83	18.68	62.11	33.43	17.04	*BLQ(**L OQ-0.1)	0.62	*BLQ(** LOQ-20.0)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.5)	*BLQ(** LOQ-0.1)	*BLQ(** LOQ-5.0)





Test Report

Water Test Report

1. Location: Dugwell Water, Village:-Yerur

Sr.No	Parameter	March-2022 to May-2022	Jun.-2022 to Aug.-2022	Sep.-2022 to Nov.-2022	Dec.-2022 to Feb.-2023
1.	pH	7.2	7.4	7.4	7.5
2.	TDS	520.0	550.0	555.0	563.0
3.	Total Alkalinity (as CaCO ₃)	189.7	189.6	194.3	191.9
4.	Total Hardness (as CaCO ₃)	136.6	143.6	144.5	148.5
5.	Chloride (as Cl)	38.6	142.5	145.7	140.4
6.	Sulphate (as SO ₄)	54.4	63.9	65.2	65.3
7.	Calcium (as Ca)	46.6	49.6	51.5	51.6
8.	Magnesium (as Mg)	4.9	4.8	3.8	4.8
9.	Fluorides (as F)	0.90	0.92	0.93	0.94
10.	Total Iron (as Fe)	BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
11.	Arsenic (as As)	*BDL(**DL 0.002)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)
12.	Mercury (as Hg)	*BDL(**DL 0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)
13.	Lead (as Pb)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
14.	Chromium (as Cr)	*BDL(*DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
15.	Copper (as Cu)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
16.	Zinc (as Mn)	BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
17.	Turbidity	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
18.	Manganese (as Zn)	*BDL(**DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
19.	Boron (as B)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
20.	Colour	*BDL(**DL 1)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
21.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
22.	Free Residual Chlorine	*BDL(**DL 0.15)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)
23.	Total Coliform	<2	Absent	Absent	Absent
24.	E-Coli	Absent	Absent	Absent	Absent





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

2. Location: Bore Well Water, Village:-Wandhri

Sr.No	Parameter	March-2022 to May-2022	Jun.-2022 to Aug.-2022	Sep.-2022 to Nov.-2022	Dec.-2022 to Feb.-2023
1.	pH	7.4	7.7	7.4	7.7
2.	TDS	710.0	765.0	660.0	672.0
3.	Total Alkalinity (as CaCO ₃)	181.5	198.9	203.5	202.0
4.	Total Hardness (as CaCO ₃)	291.7	306.9	288.9	311.9
5.	Chloride (as Cl)	78.2	187.6	191.8	189.7
6.	Sulphate (as SO ₄)	11.5	45.0	54.9	46.0
7.	Calcium (as Ca)	89.1	95.2	87.9	97.2
8.	Magnesium (as Mg)	16.7	16.7	16.8	16.7
9.	Fluorides (as F)	1.00	0.92	0.65	0.64
10.	Total Iron (as Fe)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
11.	Arsenic (as As)	*BDL(**DL 0.002)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)
12.	Mercury (as Hg)	*BDL(**DL 0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)
13.	Lead (as Pb)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
14.	Chromium (as Cr)	*BDL(*DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
15.	Copper (as Cu)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
16.	Zinc (as Mn)	BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
17.	Turbidity	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
18.	Manganese (as Zn)	*BDL(**DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
19.	Boron (as B)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
20.	Colour	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
21.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
22.	Free Residual Chlorine	*BDL(**DL 0.1)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)
23.	Total Coliform	<2	Absent	Absent	Absent
24.	E-Coli	Absent	Absent	Absent	Absent





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

3. Location: Bore Well, Village:-Sonagaon

Sr.No	Parameter	March-2022 to May-2022	Jun.-2022 to Aug.-2022	Sep.-2022 to Nov.-2022	Dec.-2022 to Feb.-2023
1.	pH	7.6	7.6	7.8	7.6
2.	TDS	620.0	635.0	775.0	768.0
3.	Total Alkalinity (as CaCO ₃)	195.8	203.5	217.4	207.1
4.	Total Hardness (as CaCO ₃)	183.6	188.1	278.2	267.3
5.	Chloride (as Cl)	39.6	147.3	208.8	197.1
6.	Sulphate (as SO ₄)	56.8	61.1	87.9	84.8
7.	Calcium (as Ca)	48.2	57.6	68.6	63.5
8.	Magnesium (as Mg)	15.3	14.4	25.9	26.4
9.	Fluorides (as F)	0.90	0.95	0.55	0.60
10.	Total Iron (as Fe)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
11.	Arsenic (as As)	*BDL(**DL 0.002)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)
12.	Mercury (as Hg)	*BDL (**DL 0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)
13.	Lead (as Pb)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
14.	Chromium (as Cr)	*BDL(*DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
15.	Copper (as Cu)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
16.	Zinc (as Zn)	BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
17.	Turbidity	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
18.	Manganese (as Mn)	*BDL(**DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
19.	Boron (as B)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
20.	Colour	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
21.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
22.	Free Residual Chlorine	*BDL(**DL 0.1)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)
23.	Total Coliform	<2	Absent	Absent	Absent
24.	E-Coli	Absent	Absent	Absent	Absent





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

4. Location: Dugwell Water, Village:-Pandharkwada

Sr.No	Parameter	March-2022 to May-2022	Jun.-2022 to Aug.-2022	Sep.-2022 to Nov.-2022	Dec.-2022 to Feb.-2023
1.	pH	7.2	7.3	7.6	7.5
2.	TDS	860.0	510.0	608.0	622.0
3.	Total Alkalinity (as CaCO ₃)	210.1	196.0	226.6	237.4
4.	Total Hardness (as CaCO ₃)	271.3	158.4	272.9	267.3
5.	Chloride (as Cl)	141.4	62.3	94.7	98.6
6.	Sulphate (as SO ₄)	86.8	52.3	65.0	66.0
7.	Calcium (as Ca)	76.0	41.7	77.2	75.4
8.	Magnesium (as Mg)	19.7	13.2	19.4	13.2
9.	Fluorides (as F)	1.10	0.62	0.71	0.74
10.	Total Iron (as Fe)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
11.	Arsenic (as As)	*BDL(**DL 0.002)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)
12.	Mercury (as Hg)	*BDL(**DL 0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)
13.	Lead (as Pb)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
14.	Chromium (as Cr)	*BDL(*DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
15.	Copper (as Cu)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
16.	Zinc (as Mn)	BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
17.	Turbidity	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
18.	Manganese (as Zn)	*BDL(**DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
19.	Boron (as B)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
20.	Colour	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
21.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
22.	Free Residual Chlorine	*BDL(**DL 0.1)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)
23.	Total Coliform	<2	Absent	Absent	Absent
24.	E-Coli	Absent	Absent	Absent	Absent





Test Report

5. Location: Dugwell Water, Village:-Morwa

Sr.No	Parameter	March-2022 to May-2022	Jun.-2022 to Aug.-2022	Sep.-2022 to Nov.-2022	Dec.-2022 to Feb.-2023
1.	pH	7.6	7.7	7.8	7.8
2.	TDS	784.0	762.0	735.0	748.0
3.	Total Alkalinity (as CaCO ₃)	189.7	212.8	240.5	252.5
4.	Total Hardness (as CaCO ₃)	267.2	277.2	294.3	287.1
5.	Chloride (as Cl)	196.1	204.3	131.1	138.0
6.	Sulphate (as SO ₄)	76.7	85.1	82.4	84.4
7.	Calcium (as Ca)	77.6	67.5	96.5	91.3
8.	Magnesium (as Mg)	17.7	26.4	12.9	14.3
9.	Fluorides (as F)	0.40	0.53	0.82	0.87
10.	Total Iron (as Fe)	0.22	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
11.	Arsenic (as As)	*BDL (**DL 0.002)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)
12.	Mercury (as Hg)	*BDL (**DL 0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)
13.	Lead (as Pb)	*BDL (**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
14.	Chromium (as Cr)	*BDL (**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
15.	Copper (as Cu)	*BDL (**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
16.	Zinc (as Mn)	BDL (*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
17.	Turbidity	*BDL (**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
18.	Manganese (as Zn)	*BDL (**DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
19.	Boron (as B)	*BDL (*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
20.	Colour	*BDL (**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
21.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
22.	Free Residual Chlorine	*BDL (**DL 0.1)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)
23.	Total Coliform	<2	Absent	Absent	Absent
24.	E-Coli	Absent	Absent	Absent	Absent





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

6. Location: Dugwell Water, Village:-Ghodpeth

Sr.No	Parameter	March-2022 to May-2022	Jun.-2022 to Aug.-2022	Sep.-2022 to Nov.-2022	Dec.-2022 to Feb.-2023
1.	pH	7.4	7.5	7.8	7.8
2.	TDS	580.0	596.0	655.0	648.0
3.	Total Alkalinity (as CaCO ₃)	183.6	222.0	254.4	227.2
4.	Total Hardness (as CaCO ₃)	261.1	267.3	208.7	212.8
5.	Chloride (as Cl)	29.2	92.6	77.7	81.3
6.	Sulphate (as SO ₄)	58.1	62.1	37.2	41.6
7.	Calcium (as Ca)	68.6	75.4	36.5	31.7
8.	Magnesium (as Mg)	21.7	19.2	28.6	32.4
9.	Fluorides (as F)	0.60	0.69	0.25	0.23
10.	Total Iron (as Fe)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
11.	Arsenic (as As)	*BDL(**DL 0.002)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)
12.	Mercury (as Hg)	*BDL(**DL 0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)
13.	Lead (as Pb)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
14.	Chromium (as Cr)	*BDL(*DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
15.	Copper (as Cu)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
16.	Zinc (as Zn)	BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
17.	Turbidity	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
18.	Manganese (as Mn)	*BDL(**DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
19.	Boron (as B)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
20.	Colour	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
21.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
22.	Free Residual Chlorine	*BDL(**DL 0.1)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)
23.	Total Coliform	<2	Absent	Absent	Absent
24.	E-Coli	Absent	Absent	Absent	Absent





Test Report

7. Location: Dugwell Water, Village:-Tadali

Sr.No	Parameter	March-2022 to May-2022	Jun.-2022 to Aug.-2022	Sep.-2022 to Nov.-2022	Dec.-2022 to Feb.-2023
1.	pH	7.7	7.8	7.6	7.6
2.	TDS	810.0	724.0	495.0	498.0
3.	Total Alkalinity (as CaCO ₃)	189.7	231.3	148.0	156.5
4.	Total Hardness (as CaCO ₃)	263.1	287.1	181.9	188.1
5.	Chloride (as Cl)	97.1	125.9	97.1	98.5
6.	Sulphate (as SO ₄)	66.0	81.7	44.9	46.2
7.	Calcium (as Ca)	86.6	93.3	49.3	45.6
8.	Magnesium (as Mg)	11.3	13.1	14.2	17.9
9.	Fluorides (as F)	0.70	0.81	0.54	0.57
10.	Total Iron (as Fe)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
11.	Arsenic (as As)	*BDL(**DL 0.002)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)
12.	Mercury (as Hg)	*BDL (**DL 0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)
13.	Lead (as Pb)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
14.	Chromium (as Cr)	*BDL(*DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
15.	Copper (as Cu)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
16.	Zinc (as Mn)	BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
17.	Turbidity	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
18.	Manganese (as Zn)	*BDL(**DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
19.	Boron (as B)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
20.	Colour	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
21.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
22.	Free Residual Chlorine	*BDL(**DL 0.1)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)
23.	Total Coliform	<2	Absent	Absent	Absent
24.	E-Coli	Absent	Absent	Absent	Absent





Test Report

8. Location: DHARIWAL Radial Intake Well Water, Near Village- Wada

Sr.No	Parameter	March-2022 to May-2022	Jun.-2022 to Aug.-2022	Sep.-2022 to Nov.-2022	Dec.-2022 to Feb.-2023
1.	pH	7.7	7.7	7.2	7.2
2.	TDS	830.0	645.0	450.0	458.0
3.	Total Alkalinity (as CaCO ₃)	116.2	249.8	161.9	171.7
4.	Total Hardness (as CaCO ₃)	124.4	207.9	192.6	198.0
5.	Chloride (as Cl)	38.1	76.0	80.1	79.2
6.	Sulphate (as SO ₄)	36.8	35.0	55.2	52.2
7.	Calcium (as Ca)	39.2	35.7	45.0	41.6
8.	Magnesium (as Mg)	6.4	28.8	19.5	22.8
9.	Fluorides (as F)	BDL(*DL 0.2)	0.23	0.49	0.43
10.	Total Iron (as Fe)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
11.	Arsenic (as As)	*BDL(**DL 0.002)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)
12.	Mercury (as Hg)	*BDL(**DL 0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)
13.	Lead (as Pb)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
14.	Chromium (as Cr)	*BDL(*DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
15.	Copper (as Cu)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
16.	Zinc (as Mn)	BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
17.	Turbidity	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
18.	Manganese (as Zn)	*BDL(**DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
19.	Boron (as B)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
20.	Colour	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
21.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
22.	Free Residual Chlorine	*BDL(**DL 0.1)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)
23.	Total Coliform	<2	Absent	Absent	Absent
24.	E-Coli	Absent	Absent	Absent	Absent





Test Report

9. Location: Dugwell Water, Village:-Sakharwahi

Sr.No	Parameter	March-2022 to May-2022	Jun.-2022 to Aug.-2022	Sep.-2022 to Nov.-2022	Dec.-2022 to Feb.-2023
1.	pH	7.6	7.6	7.5	7.6
2.	TDS	498.0	486.0	478.0	498.0
3.	Total Alkalinity (as CaCO ₃)	148.9	143.4	166.5	176.7
4.	Total Hardness (as CaCO ₃)	181.5	178.2	208.7	202.9
5.	Chloride (as Cl)	46.2	95.0	80.1	83.7
6.	Sulphate (as SO ₄)	45.8	43.0	55.4	47.9
7.	Calcium (as Ca)	53.9	47.6	57.9	59.5
8.	Magnesium (as Mg)	11.3	14.4	15.5	13.1
9.	Fluorides (as F)	0.70	0.52	0.32	0.37
10.	Total Iron (as Fe)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
11.	Arsenic (as As)	*BDL(**DL 0.002)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)
12.	Mercury (as Hg)	*BDL(**DL 0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)
13.	Lead (as Pb)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
14.	Chromium (as Cr)	*BDL(*DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
15.	Copper (as Cu)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
16.	Zinc (as Mn)	BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
17.	Turbidity	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
18.	Manganese (as Zn)	*BDL(**DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
19.	Boron (as B)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
20.	Colour	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
21.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
22.	Free Residual Chlorine	*BDL(**DL 0.1)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)
23.	Total Coliform	<2	Absent	Absent	Absent
24.	E-Coli	Absent	Absent	Absent	Absent





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

10. Location: Near Recovery Pump House-I Piezometer- I, (Ash pond)

Sr.No	Parameter	March-2022 to May-2022	Jun.-2022 to Aug.-2022	Sep.-2022 to Nov.-2022	Dec.-2022 to Feb.-2023
1.	pH	7.1	7.2	7.7	7.7
2.	TDS	440.0	438.0	438.0	448.0
3.	Total Alkalinity (as CaCO ₃)	150.9	157.3	171.1	161.6
4.	Total Hardness (as CaCO ₃)	199.9	188.1	176.6	173.2
5.	Chloride (as Cl)	36.7	76.0	140.8	145.3
6.	Sulphate (as SO ₄)	54.5	52.1	52.7	55.9
7.	Calcium (as Ca)	48.2	43.7	49.3	45.6
8.	Magnesium (as Mg)	19.2	19.2	12.9	14.3
9.	Fluorides (as F)	0.51	0.47	0.30	0.36
10.	Total Iron (as Fe)	*BDL (*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
11.	Arsenic (as As)	*BDL (**DL 0.002)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)
12.	Mercury (as Hg)	*BDL (**DL 0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)
13.	Lead (as Pb)	*BDL (**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
14.	Chromium (as Cr)	*BDL (*DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
15.	Copper (as Cu)	*BDL (**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
16.	Zinc (as Mn)	BDL (*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
17.	Turbidity	*BDL (**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
18.	Manganese (as Zn)	*BDL (**DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
19.	Boron (as B)	*BDL (*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
20.	Colour	*BDL (**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
21.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
22.	Free Residual Chlorine	*BDL (**DL 0.1)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)
23.	Total Coliform	<2	Absent	Absent	Absent
24.	E-Coli	Absent	Absent	Absent	Absent





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

11. Location: Nr. Recovery Pump House 2 Piezometer-2(Ash Pond)

Sr.No	Parameter	March-2022 to May-2022	Jun.-2022 to Aug.-2022	Sep.-2022 to Nov.-2022	Dec.-2022 to Feb.-2023
1.	pH	7.5	7.4	7.5	7.5
2.	TDS	452.0	468.0	478.0	482.0
3.	Total Alkalinity (as CaCO ₃)	153.0	161.9	166.5	171.7
4.	Total Hardness (as CaCO ₃)	210.1	207.9	208.7	212.8
5.	Chloride (as Cl)	53.7	78.4	80.1	81.3
6.	Sulphate (as SO ₄)	58.2	53.5	55.4	55.1
7.	Calcium (as Ca)	58.0	55.6	57.9	53.5
8.	Magnesium (as Mg)	15.8	16.8	15.5	19.1
9.	Fluorides (as F)	0.29	0.29	0.31	0.32
10.	Total Iron (as Fe)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
11.	Arsenic (as As)	*BDL(**DL 0.002)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)
12.	Mercury (as Hg)	*BDL(**DL 0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)
13.	Lead (as Pb)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
14.	Chromium (as Cr)	*BDL(*DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
15.	Copper (as Cu)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
16.	Zinc (as Mn)	BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
17.	Turbidity	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
18.	Manganese (as Zn)	*BDL(**DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
19.	Boron (as B)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
20.	Colour	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
21.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
22.	Free Residual Chlorine	*BDL(**DL 0.1)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)
23.	Total Coliform	<2	Absent	Absent	Absent
24.	E-Coli	Absent	Absent	Absent	Absent





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

12. Location: New Ash Pond -2 Piezometer-3

Sr.No	Parameter	March-2022 to May-2022	Jun.-2022 to Aug.-2022	Sep.-2022 to Nov.-2022	Dec.-2022 to Feb.-2023
1.	pH	7.6	7.6	7.7	7.7
2.	TDS	410.0	422.0	438.0	434.0
3.	Total Alkalinity (as CaCO ₃)	150.9	166.5	171.1	181.8
4.	Total Hardness (as CaCO ₃)	169.3	173.3	176.6	178.2
5.	Chloride (as Cl)	140.5	135.4	138.4	133.0
6.	Sulphate (as SO ₄)	59.4	51.8	52.9	54.9
7.	Calcium (as Ca)	45.8	47.6	49.3	51.5
8.	Magnesium (as Mg)	13.3	13.2	12.9	11.8
9.	Fluorides (as F)	0.30	0.28	0.30	0.32
10.	Total Iron (as Fe)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
11.	Arsenic (as As)	*BDL(**DL 0.002)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)
12.	Mercury (as Hg)	*BDL(**DL 0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)
13.	Lead (as Pb)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
14.	Chromium (as Cr)	*BDL(*DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
15.	Copper (as Cu)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
16.	Zinc (as Zn)	BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
17.	Turbidity	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
18.	Manganese (as Mn)	*BDL(**DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
19.	Boron (as B)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
20.	Colour	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
21.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
22.	Free Residual Chlorine	*BDL(**DL 0.1)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)
23.	Total Coliform	<2	Absent	Absent	Absent
24.	E-Coli	Absent	Absent	Absent	Absent





Test Report

13. Location: Near Railway Crossing of Weigh Bridge-2 Piezometer-4

Sr.No	Parameter	March-2022 to May-2022	Jun.-2022 to Aug.-2022	Sep.-2022 to Nov.-2022	Dec.-2022 to Feb.-2023
1.	pH	7.7	7.6	7.7	7.7
2.	TDS	495.0	488.0	498.0	508.0
3.	Total Alkalinity (as CaCO ₃)	173.4	171.1	175.8	181.8
4.	Total Hardness (as CaCO ₃)	210.1	212.9	214.0	217.8
5.	Chloride (as Cl)	53.7	83.1	85.0	86.2
6.	Sulphate (as SO ₄)	63.0	61.0	63.9	65.3
7.	Calcium (as Ca)	50.7	45.6	49.3	51.6
8.	Magnesium (as Mg)	20.2	24.0	22.0	22.8
9.	Fluorides (as F)	0.45	0.41	0.43	0.48
10.	Total Iron (as Fe)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
11.	Arsenic (as As)	*BDL(**DL 0.002)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)
12.	Mercury (as Hg)	*BDL(**DL 0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)
13.	Lead (as Pb)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
14.	Chromium (as Cr)	*BDL(*DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
15.	Copper (as Cu)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
16.	Zinc (as Mn)	BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
17.	Turbidity	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
18.	Manganese (as Zn)	*BDL(**DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
19.	Boron (as B)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
20.	Colour	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
21.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
22.	Free Residual Chlorine	*BDL(**DL 0.1)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)
23.	Total Coliform	<2	Absent	Absent	Absent
24.	E-Coli	Absent	Absent	Absent	Absent





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

14. Location: Near ETP Security Post Piezometer-5

Sr.No	Parameter	March-2022 to May-2022	Jun.-2022 to Aug.-2022	Sep.-2022 to Nov.-2022	Dec.-2022 to Feb.-2023
1.	pH	7.4	7.6	7.7	7.7
2.	TDS	416.0	488.0	500.0	505.0
3.	Total Alkalinity (as CaCO ₃)	157.1	152.6	157.3	161.6
4.	Total Hardness (as CaCO ₃)	208.1	203.0	208.7	207.9
5.	Chloride (as Cl)	49.0	68.9	70.4	71.4
6.	Sulphate (as SO ₄)	65.1	32.0	33.6	34.3
7.	Calcium (as Ca)	77.7	71.4	72.9	73.4
8.	Magnesium (as Mg)	3.3	5.9	6.4	5.9
9.	Fluorides (as F)	0.47	0.53	0.55	0.51
10.	Total Iron (as Fe)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
11.	Arsenic (as As)	*BDL(**DL 0.002)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)
12.	Mercury (as Hg)	*BDL(**DL 0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)
13.	Lead (as Pb)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
14.	Chromium (as Cr)	*BDL(*DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
15.	Copper (as Cu)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
16.	Zinc (as Mn)	BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
17.	Turbidity	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
18.	Manganese (as Zn)	*BDL(**DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
19.	Boron (as B)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
20.	Colour	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
21.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
22.	Free Residual Chlorine	*BDL(**DL 0.1)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)
23.	Total Coliform	<2	Absent	Absent	Absent
24.	E-Coli	Absent	Absent	Absent	Absent





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
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Test Report

15. Location: Near Old Switch Yard Piezometer 6

Sr.No	Parameter	March-2022 to May-2022	Jun.-2022 to Aug.-2022	Sep.-2022 to Nov.-2022	Dec.-2022 to Feb.-2023
1.	pH	7.4	7.3	7.4	7.4
2.	TDS	443.0	427.0	438.0	440.0
3.	Total Alkalinity (as CaCO ₃)	120.3	148.0	152.6	156.5
4.	Total Hardness (as CaCO ₃)	165.2	183.2	187.3	188.1
5.	Chloride (as Cl)	35.8	61.8	65.6	63.4
6.	Sulphate (as SO ₄)	53.1	49.0	50.2	52.5
7.	Calcium (as Ca)	37.6	33.7	34.3	35.7
8.	Magnesium (as Mg)	17.3	24.0	24.7	24.0
9.	Fluorides (as F)	0.44	0.39	0.42	0.41
10.	Total Iron (as Fe)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
11.	Arsenic (as As)	*BDL(**DL 0.002)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)	BLQ(LOQ-0.005)
12.	Mercury (as Hg)	*BDL(**DL 0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)	BLQ(LOQ-0.0005)
13.	Lead (as Pb)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
14.	Chromium (as Cr)	*BDL(*DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
15.	Copper (as Cu)	*BDL(**DL 0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)	BLQ(LOQ-0.002)
16.	Zinc (as Mn)	BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
17.	Turbidity	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
18.	Manganese (as Zn)	*BDL(**DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
19.	Boron (as B)	*BDL(*DL 0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)	BLQ(LOQ-0.01)
20.	Colour	*BDL(**DL 1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)	BLQ(LOQ-1.0)
21.	Odour	Agreeable	Agreeable	Agreeable	Agreeable
22.	Free Residual Chlorine	*BDL(**DL 0.1)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)	BLQ(LOQ-0.15)
23.	Total Coliform	<2	Absent	Absent	Absent
24.	E-Coli	Absent	Absent	Absent	Absent



**VIBRANT**

"Experience the unimaginable"

TEST REPORT**Sample Number:****Name & Address of the Party:**

VTL/U0/01

M/s DHARIWAL INFRASTRUCTURE
LTD. 2X 300MW Tadali Thermal Power
Plant C-6 Tadali Growth Centre, MIDC
Tadali, Dist. Chandrapur, Maharashtra-
442406**Report No.:****Format No.:****Party Reference No.:****Report Date:**

VTL/U0/2308190001/B

7.8 F-01

DIL:R:HEA:00731

23/08/2023

Sample Description:

Used Oil

Period of Analysis:

19-23/08/2023

Receipt Date:

19/08/2023

Sampling Date:

15/08/2023

Sampling Quantity:

2.0 Ltr

Sampling Type:

Grab

Sample Collected by:

VTL Team

Preservation:

Refrigerated

Parameter Required:


As per Work Order

Analysis Protocol:

APHA 23rd Edition 2017 & CPCB Guidelines

S. No.	Parameter	Test-Method	Result	Unit	Limits
1.	Polychlorinated biphenyls(PCBs)	As per CPCB Guidelines	*BLQ(**LOQ 0.1)	ppm	<2.0
2.	Lead (Pb)	As per CPCB Guidelines	0.77	ppm	100
3.	Arsenic	As per CPCB Guidelines	0.04	ppm	5
4.	Polycyclic Aromatic Hydrocarbon (PAH)	As per CPCB Guidelines	1.18	%	6
5.	Chromium +Cadmium+ Nickel	As per CPCB Guidelines	0.69	ppm	500
6.	Sediment	As per CPCB Guidelines	0.52	%	-
7.	Total Halogens	As per CPCB Guidelines	73.0	ppm	-

Note-*BLQ= Below Limit of Quantification, **LOQ= Limit of Quantification.


 (Checked By)
**Lab Incharge**

 RK Yadav
 (Authorized Signatory)

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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